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Groundwater Data Quality Report for the 1100-EM-1 Operable Unit for First and Second Quarter 1991

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Westinghouse Hanford Company
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1.0 INTRODUCTION

The purpose of this report is to summarize the data quality for the fifth and sixth 1100-EM-1 operable unit groundwater monitoring events that occurred in calendar year 1991. The dates of the two sampling events are as follows:

Round 5 - March 1, 1991 through March 18, 1991
Round 6 - June 10, 1991 through July 24, 1991

Groundwater chemical analytical results for the 1100-EM-1 operable unit have been presented in a previous report; the Phase I Remedial Investigation report (DOE-RL, 1990).

Groundwater samples collected during rounds 5 and 6 were analyzed for general chemistry parameters (see Table A-1), Contract Laboratory Program (CLP) Target Compound List (TCL) parameters, CLP Target Analyte List (TAL) parameters, coliform bacteria and radiochemical parameters (see Table B-4). Datachem Laboratories of Salt Lake City, Utah performed all analyses for general chemistry and TCL/TAL parameters, WESTON Analytics of Lionville, Pennsylvania provided the radiochemical results for Round 5 and the Hanford Environmental Health Foundation of Richland, Washington conducted the coliform bacteria analyses.

Sections 2.0 and 3.0 of this report provide summaries of the data quality objectives and data quality evaluation respectively. Appendix A presents tabulated summaries of the field replicate and split sample results. Appendix B presents tabulated summaries of the available Round 5 sample results and Appendix C presents tabulated summaries of the available Round 6 sample results. WHC Office of Sample Management provided validated results for sampling Round 5 and partially validated results for sampling Round 6.

2.0 DATA QUALITY OBJECTIVES

Results of rounds 5 and 6 groundwater data were reviewed against the data quality criteria established in Section 4 of the 1100-EM-1 Operable Unit RI/FS Work Plan (DOE-RL, 1989). Data quality objectives for reported sample results as stated in the work plan were achieved and the requirements specified in the QA project plan were met. The following sections describe the parameters reviewed based on the work plan requirements.

Data quality objectives were Level IV CLP analytical methods which included analysis for the TCL and TAL parameters and Level III analytical methods for general chemistry parameters, coliform bacteria and radionuclide analyses. A review of the available results indicates that the proper analytical methods were used by the laboratories.

The reported sample detection limits were reviewed against those specified in Table 4-7 and 4-8 of the work plan (DOE-RL, 1989). The reported detection limits were at or below maximum contaminant levels (MCLs) and Contract Required Quantitation Limits (CRQLs) for all analyzed parameters as required by the work plan.

Field quality control (QC) samples were collected and analyzed with each sampling round as specified in Section 5.4.5 of the work plan (DOE-RL, 1989). Four types of field QC samples were collected to support the evaluation of accuracy, precision and representativeness of the sampling project according to EPA guidance (EPA, 1983) as follows:

- Trip blanks for volatile organic analyses were prepared by the laboratory and accompanied the samples to and from the site. These were submitted daily or for each day of sampling activity. For rounds 5 and 6 a total of 20 trip blanks were submitted for analysis respectively. All trip blanks were reported for Round 5 and only 12 trip blanks were reported to date for Round 6.

- At least one equipment blank was collected for each type of analysis for each sampling event. These were collected by passing contaminant-free deionized water through the field sampling equipment and submitted to the laboratory for analysis. One equipment blank was collected for Round 5 and two were collected for Round 6. All equipment blank data were reported for Round 5 and all data except the radiochemistry and general chemical parameters were reported for the Round 6 equipment blanks.

- One field replicate was collected for Round 5 and analyzed for TCL volatile organics, radionuclides and general chemistry parameters. At the time of this report, only results for volatile organics and the general chemistry parameters were available. Two field replicate samples were collected for Round 6 and analyzed for all monitoring parameters. At the time of this report all data except metals and radionuclides were available for one replicate sample (MW-5) and all data except radionuclides were available for the other replicate samples (MW-10).

- One field split sample was collected for Round 5 and analyzed for TCL volatile organics, radionuclides and drinking water parameters. At the time of this report, results for the samples were unavailable. Two field split samples were collected for Round 6 and analyzed for all monitoring parameters. At the time of this report all data except radionuclides were available.

- Blind standard samples were not submitted for analyses during either sampling round, though they were required by the work plan.

3.0 DATA QUALITY SUMMARY

Available results for the field quality control samples were reviewed and compiled into summary tables for field replicate and field split samples. Field QC data was summarized into four tables: Tables A-1 and A-2 present general chemistry field replicate and split results for sampling rounds 5 and 6, respectively. Tables A-3 and A-4 present the metals and volatile organics replicate and split data for Round 6, respectively. Relative percent difference (RPD) values were calculated for replicates and splits by taking the absolute value of the difference between the two measurements divided by the average of the two measurements, multiplied by 100.

Data evaluation criteria used to identify significant data discrepancies between replicate and split samples are summarized below:

- RPD values must be less than or equal to 100% for sample results less than 5 times the CRQL.
- RPD values must be less than or equal to 20% for sample results greater than 5 times but less than 100 times the CRQL.
- RPD values must be less than or equal to 10% for sample results greater than 100 times the CRQL.

3.1 Round 5 FIELD QC SUMMARY

This section presents the results for field blanks and field replicate samples collected during the Round 5 sampling.

3.1.1 Field Blanks

Analysis of the trip blanks for volatile organics shows chloroform, freon-113, methylene chloride, and acetone at low ppb levels. Associated sample values that were reported at less than five times the trip blank results have been qualified as non-detects in the attached data summary tables (see Appendix B) in accordance with the data validation guidelines (Bleyler 1988a).

Results of the equipment blank analyses indicate ammonia, nitrates, fluoride, TDS, methylene chloride, and chloroform were detected at low concentrations. Associated sample values for trace level components (ammonia, nitrates, fluoride, methylene chloride and chloroform) at less than five times the equipment blank values have been qualified as non-detects in the attached data summary tables (see Appendix B) in accordance with the data validation guidelines (Bleyler 1988b).

3.1.2 Field Replicate and Split Samples

General chemistry results for Round 5 for the field replicates are provided in Table A-1. RPD values for the general chemstry parameters ranged from 0% to 18% for all parameters reported at greater than the five times the sample quantitation limit. No compounds were detected in the field replicates collected for volatile organic analysis. Based on the review of the Round 5 field replicate data, no significant data discrepancies as described in Section 2.0 were identified.

3.2 ROUND 6 FIELD QC SUMMAY

This section presents the results for field blanks and field replicate samples collected during the Round 6 sampling.

3.2.1 Field Blanks

Analysis of trip blanks for volatile organics show methylene chloride, acetone and chloroform at low ppb levels. Associated sample values that were reported at less than five times the trip blank results have been qualified as non-detects in the attached data summary tables (see Appendix C) in accordance with the data validation guidelines (Bleyler 1988a). Acetone was the only volatile compound detected in the equipment blanks but is most likely due to laboratory contamination since it was detected in the associated laboratory blanks.

Results for metals in the equipment blanks show antimony, barium, calcium, lead, magnesium, manganese, nickel, potassium, sodium and zinc present at levels above the instrument detection limit. In addition, calcium and zinc were detected in the equipment blanks at concentrations 3 to 10 times the CRQL values. Associated sample values at less than five times the equipment blank results have been qualified as non-detects in the attached data summary tables (see Appendix C) in accordance with the data validation guidelines (Bleyler 1988b).

General chemistry analysis of the equipment blanks show total organic halogens, total organic carbon, ammonia, nitrates, alkalinity, fluoride, chloride, nitrate, sulfate, and TDS were detected in the one equipment blank sample reported. Associated sample values for trace level components (excluding TDS and alkalinity) at less than five times the equipment blank values have been qualified as non-detects in the attached data summary tables (see Appendix C) in accordance with the data validation guidelines (Bleyler 1988b).

3.2.2 Field Replicate and Split Samples

Field replicate and split results for metals, general chemistry parameters and volatile organic compounds are summarized in Table A-2 through Table A-4. Replicate and split results for semivolatile organics are not summarized since no compounds were detected. RPD values for general chemistry parameters ranged from 0% to 67% with the highest values reported for sample results less than five times the CRQL. RPD values for metals ranged from 0% to 160% with the highest value reported for sample results less than five times the CRQL, or when one of the results was reported as a non-detect. Finally, RPD values for the volatile organic compounds ranged from 0 to 7%.

Based on the review of the Round 6 replicate and split data, no significant data discrepancies as specified in Section 2.0 were identified.

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4.0 REFERENCES

Bleyler, 1988a, Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses, United States Environmental Protection Agency, Washington, D.C.

Bleyler, 1988b, Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses, United States Environmental Protection Agency, Hazardous Site Evaluation Division, Washington, D.C.

EPA, 1983, Interim Guidelines and Specification for the Preparation of Quality Assurance Project Plans, (EPA-600/4-83-004) Office of Monitoring Systems and Quality Assurance, Office of Research and Development, U.S. Environmental Protection Agency, Washington, D.C.

DOE-RL, 1989, Remedial Investigaion/Feasibility Study Work Plan for the 1100-EM-1 Operable Unit Hanford Site, Richland, Washington, DOE-RL 88-23, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE-RL, 1990, Phase I Remedial Investigation Report for the Hanford Site 1100-EM-1 Operable Unit, DOE-RL 90-18, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

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APPENDIX A

ROUND 5 AND 6 REPLICATE AND SPLIT SAMPLE RESULTS

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Table A-1. General Chemistry Field Replicate Results

HEIS NUMBER		B00HW4	B00HW6	
HANFORD WELL ID		S30-E10B	S30-E10B	
TEMPORARY WELL ID		MW-11	MW-11 (DUP)	
SAMPLE DATE		3/15/91	3/15/91	RPD
TOX	ug/L	---	---	---
TOC	mg/L	---	---	---
Ammonia	mg/L	0.2	0.2	0
Nitrates	ug/L	42000	42000	0
COD	mg/L	10 U	10 U	NC
Turbidity	NTU	0.5	0.5	0
Alkalinity	mg/L	150	150	0
Fluoride	mg/L	1	1	0
Chloride	mg/L	22	22	0
Bromide	mg/L	0.2 U	0.2 U	NC
Phosphate	mg/L	0.7 U	0.7 U	NC
Nitrate	mg/L	40	42	5
Nitrite	mg/L	1.8	1.5	18
Sulfate	mg/L	79	81	3
TDS	mg/L	580	580	0
pH	pH units	7.8	7.8	0
Conductivity	umhos/cm	820	940	14

U - Indicates compound was analyed for but not detected. The reported value is the sample detection limit.

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Table A-2. General Chemistry Field Replicate and Split Results

HANFORD WELL ID		S30-E10A MW-10	S30-E10A MW-10 DUPE.		S30-E10B MW-11	S30-E10B MW-11 SPLIT		S38-E12B MW-5	S38-E12B MW-5 DUPE.		S38-E11 MW-7	S38-E11 MW-7 SPLIT	
SAMPLE DATE		6/5/91	6/5/91		6/5/91	6/5/91		6/10/91	6/10/91		6/11/91	6/11/91	
HEIS NUMBER		B00Y44	B00Y48	RPD	B00Y52	B00Y56	RPD	B00Z56	B00Z60	RPD	B00Z72	B00Z76	RPD
TOX	ug/L	10 U	10 U	NC	10	10 U	NC	10 U	10 U	NC	10 U	10 U	NC
TOC	mg/L	0.5 U	0.5 U	NC	0.5 U	0.5	0	0.5 U	0.5 U	0	0.6	0.7	15
Ammonia	mg/L	0.11	0.06	59	0.16	0.21	27	0.02 U	0.02	NC	0.04	0.02	67
Nitrates	ug/L	41000	43000	5	49000	51000	4	1700	1700	0	3800	3600	5
COD	mg/L	10 U	10 U	NC	10 U	10 U	NC	10 U	10 U	NC	10 U	10 U	NC
Turbidity	NTU	0.3	0.6	67	0.7	0.4	55	0.4	0.4	0	0.7	0.6	15
Alkalinity	mg/L	150	150	0	150	150	0	120	120	0	160	150	6
Fluoride	mg/L	0.8	0.8	0	0.8	0.8	0	0.6	0.6	0	0.7	0.6	15
Chloride	mg/L	22	22	0	23	23	0	6.5	6.5	0	13	13	0
Bromide	mg/L	0.2 U	0.2 U	NC	0.2 U	0.2 U	NC	0.2 U	0.2 U	NC	0.2 U	0.2 U	NC
Phosphate	mg/L	0.7 U	0.7 U	NC	0.7 U	0.7 U	NC	0.1 U	0.1 U	NC	0.1 U	0.1 U	NC
Nitrate	mg/L	38	38	0	46	46	0	1.5	1.8	18	3.5	3.6	3
Nitrite	mg/L	0.06 U	0.06 U	NC	0.71	0.75	5	0.06 U	0.06 U	NC	0.06 U	0.06 U	NC
Sulfate	mg/L	69	69	0	76	75	1	17	17	0	38	39	3
TDS	mg/L	590	590	0	640	650	2	210	220	5	280	280	0
pH	pH units	7.7	7.8	1	7.6	7.8	3	7.9	7.9	0	7.7	7.8	1
Conductivity	umhos/cm	820	800	2	910	920	1	330	330	0	470	460	2

Table A-3. Round 6, Metals and Cyanide Replicate and Split Results

HANFORD WELL NUMBER	S30-E10A MW-10	S30-E10A MW-10 DUP		S30-E10A MW-10	S30-E10A MW-10 DUP		S30-E10B MW-11	S30-E10B MW-11 SPLIT	
SAMPLE DATE	6/5/91	6/5/91		6/5/91	6/5/91		6/5/91	6/5/91	
HEIS NUMBER	B00Y44	B00Y48		B00Y45	B00Y49		B00Y52	B00Y56	
	Total	Total	RPD	Filtered	Filtered	RPD	Total	Total	RPD
Aluminum	103 B	106 B	3	58 U	58 U	NC	83 B	165 B	66
Antimony	24 U	33.3 B	32	24 U	31 B	25	27.4 B	24 U	13
Arsenic	2.8 B	3.1 B	10	3.3 B	3 B	10	2.1 B	2.2 B	5
Barium	88.8 B	87.6 B	1	87 B	88.8 B	2	88.2 B	87 B	1
Beryllium	1 U	1 U	NC	1 U	1 U	NC	1 U	1 U	NC
Cadmium	3 U	3 U	NC	3 U	3 U	NC	3 U	3 U	NC
Calcium	97300	97000	0	97500	98300	1	105000	105000	0
Chromium	24.4	27.5	12	6 U	6.9 B	14	20	17.5	13
Cobalt	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Copper	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Iron	159	181	13	20.3 B	19 U	7	159	202	24
Lead	1 U	1 U	NC	1 U	1 U	NC	1 U	1.4 B	33
Magnesium	19900	19700	1	19800	19900	1	22000	21900	0
Manganese	5.2 B	6 B	14	1 U	1 U	NC	64.3	57.9	10
Mercury	0.2 U	0.2 U	NC	0.2 U	0.2 U	NC	0.2 U	0.2 U	NC
Nickel	12 U	16.9 B	34	12 U	12 U	NC	12 U	12 U	NC
Potassium	8460	8040	5	8390	8710	4	9230	9130	1
Selenium	1 U	1 U	NC	1 U	1 U	NC	1 U	1 U	NC
Silver	4 U	4 U	NC	4 U	4 U	NC	4 U	4 U	NC
Sodium	29500	29200	1	29800	29900	0	31900	31800	0
Thallium	1 U	1 U	NC	1 U	1 U	NC	1 U	1 U	NC
Vanadium	8.9 B	5.9 B	41	6 B	5 B	18	4.9 B	5.9 B	19
Zinc	10.3 B	25.3	84	4 U	4.3 B	7	43.1	6.5 B	148
Cyanide	10 U	10 U	NC				10 U	10 U	NC

Results in $\mu g/L$

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Table A-3. Round 6, Metals and Cyanide Replicate and Split Results

HANFORD WELL NUMBER	S30-E10B MW-11	S30-E10B MW-11 SPLIT		S38-E11 MW-7	S38-E11 MW-7 SPLIT		S38-E11 MW-7	S38-E11 MW-7 SPLIT	
SAMPLE DATE	6/5/91	6/5/91		6/11/91	6/11/91		6/11/91	6/11/91	
HEIS NUMBER	B00Y53 Filtered	B00Y57 Filtered	RPD	B00Z72 Total	B00Z76 Total	RPD	B00Z73 Filtered	B00Z77 Filtered	RPD
Aluminum	58 U	58 U	NC	125 B	84.2 B	39	58 U	58 U	NC
Antimony	49.2 B	31.4 B	44	24 U	30.1 B	23	24 U	24 U	NC
Arsenic	2.1 B	1.9 B	10	7.4 B	7.5 B	1	7.2 B	7.3 B	1
Barium	88.8 B	87 B	2	36.6 B	32.8 B	11	32.8 B	36.5 B	11
Beryllium	1 U	1 U	NC	1.8 B	1.8 B	0	1.8 B	1 U	57
Cadmium	3 U	3 U	NC	3 U	3 U	NC	3 U	3 U	NC
Calcium	107000	105000	2	55200	53200	4	53400	52100	2
Chromium	6 U	6 U	NC	24	19.5	21	6 U	6 U	NC
Cobalt	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Copper	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Iron	27.3 B	25.8 B	6	236	159	39	28.5 B	30 B	5
Lead	1 U	1 U	NC	1 U	2.8 B	95	1.4 B	3	73
Magnesium	22200	21900	1	9870	9400	5	9480	9960	5
Manganese	57.9	57.9	0	11.5 B	8.7 B	28	2.2 B	1 U	75
Mercury	0.2 U	0.2 U	NC	0.2 U	0.2 U	NC	0.2 U	0.2 U	NC
Nickel	12 U	12 U	NC	13.8 B	12 U	14	12 U	17.4 B	37
Potassium	9350	9480	1	6740	6500	4	6020	6500	8
Selenium	1 U	1 U	NC	1 U	1 U	NC	1 U	1 U	NC
Silver	4 U	4 U	NC	4 U	4 U	NC	4 U	4 U	NC
Sodium	32500	31900	2	23600	22000	7	22500	24400	8
Thallium	1 U	1 U	NC	1 U	1 U	NC	1 U	1 U	NC
Vanadium	5 B	7 B	33	13.4 B	15.1 B	12	12.5 B	15.4 B	21
Zinc	4.3 B	6.1 B	35	10.4 B	4 U	89	4 U	36.1	160
Cyanide				10 U	10 U	NC			

Results in µg/L

A-4

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Table A-4. Round 6, Volatile Organic Replicate and Split Results

HANFORD WELL NUMBER	S30-E10A MW-10	S30-E10A MW-10 DUPE		S30-E10B MW-11	S30-E10B MW-11 SPLIT		S38-E12B MW-5	S38-E12B MW-5 DUPE	
SAMPLE DATE	6/5/91	6/5/91		6/5/91	6/5/91		6/10/91	6/10/91	
HEIS NUMBER	B00Y44	B00Y48	RPD	B00Y52	B00Y56	RPD	B00Z56	B00Z60	RPD
Chloromethane	10 U	10 U	NC	10 U	10 U	NC	10 U	10 U	NC
Bromomethane	10 U	10 U	NC	10 U	10 U	NC	10 U	10 U	NC
Vinyl Chloride	10 U	10 U	NC	10 U	10 U	NC	10 U	10 U	NC
Chloroethane	10 U	10 U	NC	10 U	10 U	NC	10 U	10 U	NC
Methylene Chloride	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Acetone	10 U	10 U	NC	10 U	10 U	NC	10 U	10 U	NC
Carbon Disulfide	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
1,1-Dichloroethene	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
1,1-Dichloroethane	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
1,2-Dichloroethene (total)	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Chloroform	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
1,2-Dichloroethane	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
2-Butanone	10 U	10 U	NC	10 U	10 U	NC	10 U	10 U	NC
1,1,1-Trichloroethane	2 J	2 J	0	5 U	5 U	NC	3 J	3 J	0
Carbon Tetrachloride	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Vinyl Acetate	10 U	10 U	NC	10 U	10 U	NC	10 U	10 U	NC
Bromodichloromethane	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
1,2-Dichloropropane	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
cis-1,3-Dichloropropene	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Trichloroethene	2 J	2 J	0	3 J	4 J	29	5 U	5 U	NC
Dibromochloromethane	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
1,1,2-Trichloroethane	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Benzene	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
trans-1,3-Dichloropropene	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Bromoform	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
4-Methyl-2-pentanone	10 U	10 U	NC	10 U	10 U	NC	10 U	10 U	NC
2-Hexanone	10 U	10 U	NC	10 U	10 U	NC	10 U	10 U	NC
Tetrachloroethene	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
1,1,2,2-Tetrachloroethane	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Toluene	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Chlorobenzene	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Ethylbenzene	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Styrene	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC
Total Xylenes	5 U	5 U	NC	5 U	5 U	NC	5 U	5 U	NC

Results in µg/L.

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APPENDIX B

ROUND 5 DATA SUMMARY TABLES

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Table B-1. Round 5, Coliform Results

HANFORD WELL ID	DATE RECEIVED BY HEHF	HEIS NUMBER	TOTAL COLIFORM (#/100ml)
S37-E14	3/1/91	B00HS4	NEGATIVE
EQ. BLANK	3/7/91	B00HV7	NEGATIVE
S41-E13A	3/7/91	B00HT2	NEGATIVE
S41-E13B	3/7/91	B00HT6	NEGATIVE
S40-E14	3/7/91	B00HS8	NEGATIVE
S37-E12	3/8/91	B00HW1	NEGATIVE
S43-E12	3/8/91	B00HV0	NEGATIVE
RWF-EAST	4/1/91	B00FJ5	NEGATIVE
RWF-WEST	4/1/91	B00FJ9	NEGATIVE

NEGATIVE - Indicates result is less than the detection limit (2.2 coliform/100ml) as reported by HEHF

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Table B-2. Round 5, General Chemistry Results

HANFORD WELL ID		S41-E13A	S40-E14	EQUIP. BLA	S37-E12	S43-E12	RWF-EAST	RWF-WEST	S41-E13B	S30-E10A
SAMPLE DATE		3/7/91	3/7/91	3/8/91	3/8/91	3/8/91	3/17/91	3/17/91	3/18/91	3/15/91
HEIS NUMBER		B00HS9	B00HS5	B00HV4	B00HV8	B00HT7	B00HX8	B00FJ6	B00FK0	B00HW2
TOX	ug/L	10 U	10	10 U	10 U	10 U	60	10	10 U	---
TOC	mg/L	0.5	0.6	0.5 U	0.5 U	1.3	0.6	0.5 U	0.6	---
Ammonia	mg/L	0.02 U	0.27	0.04	0.3	0.24	0.02 U	0.02	0.02 U	0.03 U
Nitrates	ug/L	730	160	10	2300	5400	180	180	500	36000
COD	mg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Turbidity	NTU	0.6	10 U	0.2 U	1.2	0.3	0.2 U	0.2 U	0.2 U	0.4
Alkalinity	mg/L	160	70	10 U	10 U	250	60	60	210	150
Fluoride	mg/L	0.8 U	0.7 U	0.6 U	0.9 U	1.1 U	0.6 U	1.1 U	1.2 U	1 U
Chloride	mg/L	4.8	0.2 U	0.2 U	7.1	45	2	1	10	23
Bromide	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Phosphate	mg/L	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.7 U	0.7 U	0.7 U	0.7 U
Nitrate	mg/L	0.96	0.18	0.05 U	2.2	0.05 U	0.18	0.49	0.8	39
Nitrite	mg/L	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Sulfate	mg/L	9.9	11	0.2 U	3300	0.2 U	13	11	9.5 U	75
TDS	mg/L	220	110	20	570	10 U	---	---	---	540
pH	pH units	8	7.8	5.5	1.6	0.1 U	---	---	---	7.8
Conductivity	umhos/cm	350	---	---	---	---	---	---	---	940

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WHC-MR- 0296

Table B-2. Round 5, General Chemistry Results

HANFORD WELL ID		S30-E10B	S30-E10B	S31-E10A	S31-E10B	S31-E10C	S31-E10D	S37-E14
SAMPLE DATE		3/15/91	3/15/91	3/15/91	3/15/91	3/15/91	3/15/91	3/1/91
HEIS NUMBER		B00HW4	B00HW6	B00HX0	B00HX2	B00HX4	B00HX6	B00HS1
TOX	ug/L	---	---	---	---	---	---	10 U
TOC	mg/L	---	---	---	---	---	---	1 U
Ammonia	mg/L	0.2 U	0.2 U	0.02 U	0.02 U	0.02	0.02 U	0.03 U
Nitrates	ug/L	42000	42000	49000	45000	49000	30000	1200
COD	mg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Turbidity	NTU	0.5	0.5	0.2	0.2 U	0.2 U	0.2 U	0.2 U
Alkalinity	mg/L	150	150	160	160	170	150	110
Fluoride	mg/L	1 U	1 U	1.1 U	1.3 U	1.1 U	1.1 U	0.2 U
Chloride	mg/L	22	22	21	20	21	19	4.6
Bromide	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Phosphate	mg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.07 U
Nitrate	mg/L	40	42	50	45	47	30	1.2
Nitrite	mg/L	1.8	1.5	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Sulfate	mg/L	79	81	78	68	76	55	12
TDS	mg/L	580	580	610	600	640	450	150
pH	pH units	7.8	7.8	7.8	7.8	7.8	7.9	8.1
Conductivity	umhos/cm	820	940	940	820	940	690	240

Table B-3. Round 5, Metals and Cyanide Results

HANFORD WELL NUMBER	S37-E14		S40-E14		EQ. BLANK		S37-E12 (MW-18)		S43-E12	
SAMPLE DATE	3/1/91		3/5/91		3/8/91		3/8/91		3/8/91	
HEIS NUMBER	B00HS1	B00HS2	B00HS5	B00HS6	B00HV4	B00HV5	B00HV8	B00HV9	B00HT7	B00HT8
	Total	Filtered	Total	Filtered	Total	Filtered	Total	Filtered	Total	Filtered
Aluminum	38.8 B	25.0 B	25.0 U	25.0 U	25.0 U	25.0 U	629.0	229.0	25.2 B	34.9 B
Antimony	37.0 U	37.0 U	37.0 U	37.0 U	37.0 U	37.0 U	37.0 U	37.0 U	37.0 U	37.0 U
Arsenic	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	5.3 B	4.9 B	4.3 B	4.6 B
Barium	22.0 U	22.0 U	22.0 U	22.0 U	22.0 U	22.0 U	52.3 B	48.2 B	63.2 B	63.8 B
Beryllium	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Calcium	36800	36900	22800	23600	516 U	516 U	47900	47800	89900	90200
Chromium	7.1 B	4.0 B	4.0 U	4.0 U	4.0 U	4.0 U	7.5 B	7.5 B	11.3	4.0 U
Cobalt	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	5.2 B	4.0 U
Iron	37.2 B	19.0 B	15.4 B	15.8 B	15.0 U	15.0 U	901.0	390.0	76.7 B	44.7 B
Lead	3.0 U	3.0 U	8.6	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	6820	6860	4830 B	4930 B	664 U	664 U	10100	10000	17400	17500
Manganese	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	80.3	72.1	2.5 U	2.5 U
Mercury	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	37.4 B	54.0
Potassium	2360 B	1900 B	723 U	723 U	723 U	723 U	4920 B	4500 B	7870	8070
Selenium	4.0 UJ	4.0 UJ	4.0 UJ	4.0 UJ	4.0 UJ	4.0 UJ	4.0 UJ	4.0 UJ	4.0 UJ	4.0 UJ
Silver	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	4140 B	4190 B	2070 B	2130 B	576 U	576 U	15500	15400	25800	26500
Thallium	6.0 U	6.0 U	6.0 U	20.1 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U	6.0 U
Vanadium	6.6 B	6.6 B	4.0 U	4.0 U	4.0 U	4.0 U	10.7 B	9.1 B	13.3 B	8.3 B
Zinc	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	79.6 U	4.0 U	4.0 U
Cyanide	10.0 U		10.0 U		10.0 U		10.0 U		10.0 U	

Results reported in µg/L.

Table B-3. Round 5, Metals and Cyanide Results

HANFORD WELL NUMBER	S41-E13A		RWF-WEST		S41-E13B		RWF-EAST	
SAMPLE DATE	3/7/91		3/17/91		3/18/91		3/17/91	
HEIS NUMBER	B00HS9	B00HT0	B00FJ6	B00FJ7	B00FK0	B00FK1	B00HX8	B00HX9
	Total	Filtered	Total	Filtered	Total	Filtered	Total	Filtered
Aluminum	39.4 B	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	38.5 B	25.0 U
Antimony	37.0 U	37.0 U	37.0 U	37.0 U	37.0 U	37.0 U	37.0 U	37.0 U
Arsenic	4.6 B	3.9 B	3.0 U	3.0 U	6.2 B	6.2 B	3.0 U	3.0 U
Barium	39.6 B	39.6 B	22.0 U	22.0 U	54.9 B	52.6 B	22.0 U	22.0 U
Beryllium	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Cadmium	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Calcium	50300	51500	23400	23500	62800	61000	23400	24300
Chromium	4.7 B	4.0 U	4.0 U	4.0 U	25.3	4.0 U	4.0 U	4.0 U
Cobalt	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	4.0 U	4.0 U	16.7 B	11.7 B	4.3 B	4.0 U	39.3	46.8
Iron	59.3 B	38.3 B	15.0 U	15.0 U	117.0	21.9 U	22.2 U	15.0 U
Lead	3.0 U	3.0 U	1.2 B	1.0 U	1.0 U	1.0 U	1.0 B	1.0 U
Magnesium	10300	10500	5030	5050	13200	13000	4790 B	4950 B
Manganese	2.0 U	2.0 U	2.0 U	2.0 U	6.9 B	8.4 B	2.0 U	2.0 U
Mercury	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Potassium	5020	4670 B	1150 B	1260 B	6330	6560	1810 B	1240 B
Selenium	4.0 UJ	4.0 UJ	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Silver	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ
Sodium	8080	8360	2300 B	2220 B	18100	17600	2300 B	2260 B
Thallium	6.0 U	6.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Vanadium	8.3 B	7.5 B	4.0 U	4.0 U	13.7 B	9.4 B	4.0 U	4.0 U
Zinc	4.0 U	4.0 U	9.0 B	5.7 B	4.4 B	5.1 B	13.5 B	13.8 B
Cyanide	10.0 U		10.0 UJ		10.0 UJ		10.0 UJ	

Results reported in µg/L.

Table B-4. Round 5, Radiochemistry Results

HANFORD WELL NUMBER	S37-E14	S37-E12	S43-E12	S40-E14	EQ. BLANK	S41-E13A	S41-E13B	RWF-WEST
SAMPLE DATE	3/1/91	3/8/91	3/8/91	3/7/91	3/7/91	3/7/91	3/7/91	3/17/91
HEIS NUMBER	B00HS3	B00HW0	B00HT9	B00HS7	B00HV6	B00HT1	B00HT5	B00FJ8
Radium-226	0.8 U	0.88 ± 0.49	0.8 U	0.7 U	1.0 U	0.9 U	1.0 U	1.0 U
Gross alpha	2.0 U	6.6 ± 4.9	2.0 U	2.0 U	2.0 U	3.0 U	3.5 ± 2.6	2.0 U
Gross beta	4.0 U	13 ± 5	8.8 ± 3.4	4.0 U	4.0 U	12 ± 3	12 ± 3	3.0 U
Strontium-90	0.8 U	0.5 U	0.5 U	0.5 U	0.4 U	0.4 U	0.4 U	0.4 U
Radium-228	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

HANFORD WELL NUMBER	MW-10	MW-11 (DUP)	MW-12	MW-13	MW-14	MW-15
SAMPLE DATE	3/15/91	3/15/91	3/15/91	3/15/91	3/15/91	3/15/91
HEIS NUMBER	B00HW3	B00HW7	B00HX1	B00HX3	B00HX5	B00HX7
Radium-226	0.3 U	0.8 U	0.3 U	0.3 U	0.3 U	0.2 U
Gross alpha	2.0 U	2.0 U	2.0 U	6.4 ± 5.2	3.0 U	2.0 U
Gross beta	63 ± 8	60 ± 8	61 ± 8	61 ± 8	70 ± 8	46 ± 7
Radium-228	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

U - Indicates radionuclide was analyzed for but not detected. The reported value is the sample detection limit.
Results are reported in pCi/L units.

Table B-5. Round 5, Volatile Organic Results

HANFORD WELL NUMBER	DAY 6 TRIP	DAY 5 TRIP	RWF-WEST	S41-E13B	DAY 4 TRIP	S30-E10A	S30-E10B	S30-E10B	S31-E10A
SAMPLE DATE	3/18/91	3/17/91	3/17/91	3/18/91	3/18/91	3/15/91	3/15/91	3/15/91	3/15/91
HEIS NUMBER	B00FJ3	B00FJ4	B00FJ6	B00FK0	B00FK4	B00HW2	B00HW4	B00HW6	B00HX0
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	4 J	5 U	7	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	79
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
FREON-113 @ 9.45 MIN	---	---	---	---	---	---	---	---	---

Results in µg/L.

Table B-5. Round 5, Volatile Organic Results

HANFORD WELL NUMBER	S31-E10B	S31-E10C	S31-E10D	RWF-EAST	S40-E14	S41-E13A	S43-E12	DAY 2 TRIP	DAY 3 TRIP
SAMPLE DATE	3/15/91	3/15/91	3/15/91	3/17/91	3/7/91	3/7/91	3/8/91	3/7/91	3/8/91
HEIS NUMBER	B00HX2	B00HX4	B00HX6	B00HX8	B00HS5	B00HS9	B00HT7	B00HV2	B00HV3
Chloromethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Bromomethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Vinyl Chloride	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Chloroethane	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Methylene Chloride	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	0.6 J	0.6 J
Acetone	10 U	10 U	10 U	10 U	10 UJ	35 U	10 UJ	39 J	10 UJ
Carbon Disulfide	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,2-Dichloroethene (total)	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Chloroform	5 U	5 U	5 U	21	5 U	5 UJ	5 UJ	3 J	5 UJ
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
2-Butanone	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Vinyl Acetate	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Bromodichloromethane	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Trichloroethene	68	82	60	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Dibromochloromethane	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Benzene	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Bromoform	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
2-Hexanone	10 U	10 U	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Tetrachloroethene	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Toluene	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Chlorobenzene	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Ethylbenzene	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Styrene	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Total Xylenes	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
FREON-113 @ 9.45 MIN	---	---	---	---	---	---	---	8.8 JN	---

Results in μg/L.

Table B-5. Round 5, Volatile Organic Results

HANFORD WELL NUMBER	EQ. BLANK	S37-E12 MW-18	S37-E14	DAY 1 TRIP
SAMPLE DATE	3/8/91	3/8/91	3/1/91	3/1/91
HEIS NUMBER	B00HV4	B00HV8	B00HS1	B00HV1
Chloromethane	10 UJ	10 UJ	10 U	10 U
Bromomethane	10 UJ	10 UJ	10 U	10 U
Vinyl Chloride	10 UJ	10 UJ	10 U	10 U
Chloroethane	10 UJ	10 UJ	10 U	10 U
Methylene Chloride	5 U	5 UJ	5 U	5 U
Acetone	10 UJ	10 UJ	10 U	10 U
Carbon Disulfide	5 UJ	5 UJ	5 U	5 U
1,1-Dichloroethene	5 UJ	5 UJ	5 U	5 U
1,1-Dichloroethane	5 UJ	5 UJ	5 U	5 U
1,2-Dichloroethene (total)	5 UJ	5 UJ	5 U	5 U
Chloroform	3 J	5 UJ	5 U	3 J
1,2-Dichloroethane	5 UJ	5 UJ	5 U	5 U
2-Butanone	10 UJ	10 UJ	10 U	10 U
1,1,1-Trichloroethane	5 UJ	5 UJ	5 U	5 U
Carbon Tetrachloride	5 UJ	5 UJ	5 U	5 U
Vinyl Acetate	10 UJ	10 UJ	10 U	10 U
Bromodichloromethane	5 UJ	5 UJ	5 U	5 U
1,2-Dichloropropane	5 UJ	5 UJ	5 U	5 U
cis-1,3-Dichloropropene	5 UJ	5 UJ	5 U	5 U
Trichloroethene	5 UJ	5 UJ	5 U	5 U
Dibromochloromethane	5 UJ	5 UJ	5 U	5 U
1,1,2-Trichloroethane	5 UJ	5 UJ	5 U	5 U
Benzene	5 UJ	5 UJ	5 U	5 U
trans-1,3-Dichloropropene	5 UJ	5 UJ	5 U	5 U
Bromoform	5 UJ	5 UJ	5 U	5 U
4-Methyl-2-pentanone	10 UJ	10 UJ	10 U	10 U
2-Hexanone	10 UJ	10 UJ	10 U	10 U
Tetrachloroethene	5 UJ	5 UJ	5 U	5 U
1,1,2,2-Tetrachloroethane	5 UJ	5 UJ	5 U	5 U
Toluene	5 UJ	5 UJ	5 U	5 U
Chlorobenzene	5 UJ	5 UJ	5 U	5 U
Ethylbenzene	5 UJ	5 UJ	5 U	5 U
Styrene	5 UJ	5 UJ	5 U	5 U
Total Xylenes	5 UJ	5 UJ	5 U	5 U
FREON-113 @ 9.45 MIN	---	---	---	12 JN

Results in μg/L.

Table B-6. Round 5, Semivolatile Organic Results

HANFORD WELL NUMBER	RWF-WEST	S41-E13B	RWF-EAST	S41-E13A	S37-E14	S40-E14	EQ. BLANK	S37-E12	S43-E12
SAMPLE DATE	3/17/91	3/17/91	3/17/91	3/7/91	3/1/91	3/7/91	3/8/91	3/8/91	3/8/91
HEIS NUMBER	B00FJ6	B00FK0	B00HX8	B00HS9	B00HS1	B00HS5	B00HV4	B00HV8	B00HT7
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U

Results in µg/L.

Table B-6. Round 5, Semivolatile Organic Results

HANFORD WELL NUMBER	RWF-WEST	S41-E13B	RWF-EAST	S41-E13A	S37-E14	S40-E14	EQ. BLANK	S37-E12	S43-E12
SAMPLE DATE	3/17/91	3/17/91	3/17/91	3/7/91	3/1/91	3/7/91	3/8/91	3/8/91	3/8/91
HEIS NUMBER	B00FJ6	B00FK0	B00HX8	B00HS9	B00HS1	B00HS5	B00HV4	B00HV8	B00HT7
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benz(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,g)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Results in µg/L.

Table B-7. Round 5, Pesticide/PCB Analysis Results

HANFORD WELL NUMBER	RWF-WEST	S41-E13B	RWF-EAST	S40-E14	S41-E13A	S37-E14	S43-E12	EQ. BLANK	S37-E12
SAMPLE DATE	3/17/91	3/17/91	3/17/91	3/7/91	3/7/91	3/1/91	3/8/91	3/8/91	3/8/91
HEIS NUMBER	B00FJ6	B00FK0	B00HX8	B00HS5	B00HS9	B00HS1	B00HT7	B00HV4	B00HV8
alpha-BHC	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC (Lindane)	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aldrin	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor epoxide	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan I	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Dieldrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan II	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDD	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan sulfate	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Methoxychlor	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Endrin ketone	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
alpha-Chlordane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
gamma-Chlordane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Arochlor-1016	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Arochlor-1221	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Arochlor-1232	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Arochlor-1242	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Arochlor-1248	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Arochlor-1254	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Arochlor-1260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Results in µg/L

APPENDIX C

ROUND 6 DATA SUMMARY TABLES

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Table C-1. Round 6, Coliform Results

HANFORD WELL ID		DATE RECEIVED BY HEHF	HEIS NUMBER	TOTAL COLIFORM (#/100ml)
MW-12		6/4/91	B00Y23	NEGATIVE
MW-13		6/4/91	B00Y27	NEGATIVE
MW-14		6/4/91	B00Y31	NEGATIVE
MW-15		6/4/91	B00Y35	NEGATIVE
MW-8		6/5/91	B00Y39	NEGATIVE
MW-9		6/5/91	B00Y43	NEGATIVE
MW-10		6/5/91	B00Y47	NEGATIVE
MW-10	DUPE.	6/5/91	B00Y51	NEGATIVE
MW-11		6/5/91	B00Y55	NEGATIVE
S32-E13A		6/6/91	B00Y63	NEGATIVE
S31-E13		6/6/91	B00Y67	NEGATIVE
S30-E15A		6/6/91	B00Y71	NEGATIVE
S29-E12		6/6/91	B00Y75	NEGATIVE
S29-E12	DUPE.	6/6/91	B00Y79	NEGATIVE
S27-E14		6/10/91	B00Z51	NEGATIVE
MW-4		6/10/91	B00Z55	NEGATIVE
MW-5		6/10/91	B00Z59	NEGATIVE
MW-5	DUPE.	6/10/91	B00Z63	NEGATIVE
MW-6		6/10/91	B00Z67	NEGATIVE
MW-2		6/11/91	B00Z71	NEGATIVE
MW-7		6/11/91	B00Z75	NEGATIVE
S37-E14		6/11/91	B00Z83	NEGATIVE
S43-E12		6/12/91	B00ZB3	NEGATIVE
S41-E13A		6/12/91	B00ZB7	NEGATIVE
S41-E13B		6/12/91	B00ZC1	NEGATIVE
MW-17		6/12/91	B00ZC5	NEGATIVE
MW-1		6/13/91	B00ZC9	NEGATIVE
S40-E14		6/13/91	B00ZD7	NEGATIVE
MW-3		6/13/91	B00ZD3	NEGATIVE
FF5-8A		6/17/91	B00ZH2	NEGATIVE
MW-18		6/17/91	B00ZG4	NEGATIVE
MW-15		6/17/91	B00ZG0	NEGATIVE
RWF-EAST		6/18/91	B00Z95	NEGATIVE
RWF-WEST		6/18/91	B00Z99	4.6/100ml
EQUIP. BLANK 1		6/18/91	B00Z87	NEGATIVE
EQUIP. BLANK 2		6/18/91	B00Z91	NEGATIVE

NEGATIVE - Indicates the result is less than the detection limit (2.2 coliform/100ml) as reported by HEHF.

Table C-2. Round 6, General Chemistry Results

HANFORD WELL ID		EQUIP. BLANK 2	RWF-EAST	RWF-WEST	S41-E11 MW-1	S41-E12 MW-3	S40-E14	S27-E14	S38-E12A MW-4	S38-E12B MW-5	S38-E12B MW-5 DUPE.
SAMPLE DATE		6/18/91	6/18/91	6/18/91	6/13/91	6/13/91	6/13/91	6/10/91	6/10/91	6/10/91	6/10/91
HEIS NUMBER		B00Z88	B00Z92	B00Z96	BOOZC6	BOOZD0	BOOZD4	B00Z48	B00Z52	B00Z56	B00Z60
TOX	ug/L	50	10 U	10 U	10 U	20	10 U	10 U	10 U	10 U	10 U
TOC	mg/L	1	0.9 U	0.9 U	0.5 U	2.7 U	2.1 U	0.5 U	0.5 U	0.5 U	0.5 U
Ammonia	mg/L	0.08	0.09 U	0.05 U	0.02 U	0.1 U	0.05 U	0.03 U	0.02 U	0.02 U	0.02 U
Nitrates	ug/L	60	150 U	130 U	4400	2200	130 U	12000	2000	1700	1700
COD	mg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Turbidity	NTU	0.2 U	0.2 U	0.2 U	0.3	0.9	0.2 U	0.2 U	0.2	0.4	0.4
Alkalinity	mg/L	50	70	60	170	310	50	140	130	120	120
Fluoride	mg/L	0.4	0.5 U	0.5 U	0.5 U	0.8 U	0.5 U	0.7 U	0.6 U	0.6 U	0.6 U
Chloride	mg/L	5.4	0.9 U	0.9 U	14 U	110	0.8 U	16 U	8.5 U	6.5 U	6.5 U
Bromide	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Phosphate	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U
Nitrate	mg/L	0.26	0.15 U	0.13 U	4.1	2.4	0.12 U	12	1.8	1.5	1.8
Nitrite	mg/L	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.06 U	0.06 U	0.06 U	0.06 U
Sulfate	mg/L	8.3	8.6 U	8.2 U	31 U	23 U	8.2 U	47	17 U	17 U	17 U
TDS	mg/L	100	110	100	310	590	90	360	220	210	220
pH	pH units	7.8	7.8	7.7	7.8	7.5	7.8	7.7	7.8	7.9	7.9
Conductivity	umhos/cm	140	140	140	480	940	140	510	350	330	330

Table C-2. Round 6, General Chemistry Results

HANFORD WELL ID		S37-E11 MW-6	S34-E10 MW-2	S38-E11 MW-7	S38-E11 MW-7 SPLIT	S37-E14	MW-7A	S43-E12	S41-E13A	S41-E13B	S41-E13C MW-17
SAMPLE DATE		6/10/91	6/10/91	6/11/91	6/11/91	6/11/91	7/24/91	6/12/91	6/12/91	6/12/91	6/12/91
HEIS NUMBER		B00Z64	B00Z68	B00Z72	B00Z76	B00Z80	B00XY0	B00ZB0	B00ZB4	B00ZB8	B00ZC2
TOX	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
TOC	mg/L	0.5 U	0.5 U	0.6 U	0.7 U	0.8 U	0.5 U	1.4 U	1.1 U	1 U	0.5 U
Ammonia	mg/L	0.02 U	0.06 U	0.04 U	0.02 U	0.06 U	120	0.02 U	0.02 U	0.02 U	0.02 U
Nitrates	ug/L	2400	6500	3800	3600	330	7500	6300	1300	430	50 U
COD	mg/L	10 U	10 U	10 U	10 U	10 U	10	10 U	10 U	10 U	10 U
Turbidity	NTU	0.4	0.6	0.7	0.6	0.8	0.7	0.5	0.5	0.3	2.9
Alkalinity	mg/L	140	140	160	150	80	110	240	90	220	110
Fluoride	mg/L	0.6 U	0.7 U	0.7 U	0.6 U	0.5 U	0.9 U	0.7 U	0.3 U	0.6 U	0.4 U
Chloride	mg/L	9.2 U	13 U	13 U	13 U	1.4 U	24 U	58	1.4 U	10 U	2.7 U
Bromide	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U
Phosphate	mg/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2	0.2 U	0.2 U	0.2 U	0.2 U
Nitrate	mg/L	1.4	6	3.5	3.6	0.3 U	8	5.7	1.2 U	0.37 U	0.05 U
Nitrite	mg/L	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06	0.07 U	0.07 U	0.07 U	0.07 U
Sulfate	mg/L	23 U	41 U	38 U	39 U	10 U	49	30 U	13 U	9.2 U	14 U
TDS	mg/L	250	300	280	280	120	340	450	150	280	160
pH	pH units	7.9	7.7	7.7	7.8	7.9	7.7	7.5	7.9	7.7	8
Conductivity	umhos/cm	360	470	470	460	190	520	770	230	490	260

Table C-2. Round 6, General Chemistry Results

HANFORD WELL ID		S31-E10A MW-12	S31-E10B MW-13	S31-E10C MW-14	S31-E8 MW-8	S32-E8 MW-9	S30-E10A MW-10	S30-E10A MW-10 DUPE.	S30-E10B MW-11	S30-E10B MW-11 SPLIT
SAMPLE DATE		6/4/91	6/4/91	6/4/91	6/5/91	6/5/91	6/5/91	6/5/91	6/5/91	6/5/91
HEIS NUMBER		B00Y20	B00Y24	B00Y28	B00Y36	B00Y40	B00Y44	B00Y48	B00Y52	B00Y56
TOX	ug/L	60 U	50 U	60 U	10 U	10 U	10 U	10 U	10 U	10 U
TOC	mg/L	0.6 U	0.6 U	0.6 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ammonia	mg/L	0.04 U	0.32 U	1	0.54	0.17 U	0.11 U	0.06 U	0.16 U	0.21 U
Nitrates	ug/L	55000	53000	52000	7300	170 U	41000	43000	49000	51000
COD	mg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Turbidity	NTU	0.2 U	0.6	0.2	0.2 U	0.2 U	0.3	0.6	0.7	0.4
Alkalinity	mg/L	170	160	170	160	90	150	150	150	150
Fluoride	mg/L	0.8 U	1 U	0.9 U	0.4 U	0.4 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloride	mg/L	17 U	16 U	17 U	15 U	2 U	22 U	22 U	23 U	23 U
Bromide	mg/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Phosphate	mg/L	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Nitrate	mg/L	49	46	47	6.7	0.05 U	38	38	46	46
Nitrite	mg/L	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.71	0.75
Sulfate	mg/L	71	65	72	31 U	11 U	69	69	76	75
TDS	mg/L	700	650	630	330	160	590	590	640	650
pH	pH units	7.7	7.6	7.6	7.8	7.1	7.7	7.8	7.6	7.8
Conductivity	umhos/cm	940	820	940	460	220	820	800	910	920

Table C-3. Round 6, Metals and Cyanide Results

HANFORD WELL NUMBER	S41-E11		S41-E12		S40-E14		S31-E10D		S37-E12	
	MW-1		MW-3				MW-15		MW-18	
SAMPLE DATE	6/13/91		6/13/91		6/13/91		6/17/91		6/17/91	
HEIS NUMBER	B00ZC6	B00ZC7	B00ZD0	B00ZD1	B00ZD4	B00ZD5	B00ZF7	B00ZF8	B00ZG1	B00ZG2
	Total	Filtered	Total	Filtered	Total	Filtered	Total	Filtered	Total	Filtered
Aluminum	58 U	58 U	133 B	58 U	58 U	58 U	58 U	114 B	211	72.9 B
Antimony	24 U	24 U	43.4 U	25.6 B	24 U	24 U	24 U	29.8 U	24 U	24 U
Arsenic	3.6 B	4 B	1.7 B	1.8 B	1 U	1 U	3.6 B	3.9 B	4.3 B	4.2 B
Barium	38.9 U	35.2 U	174 B	101 U	7.3 U	11.5 U	71.7 U	129 B	29.8 U	29.2 U
Beryllium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Calcium	56600 U	54400 U	197000	118000	19300 U	29400 U	87000	158000	39800 U	40400 U
Chromium	48.4	6.7 B	38.7	6 U	13.3	6.1 B	10.9	6 U	43.6	6 U
Cobalt	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Copper	6.3 B	7.4 B	5 U	5 U	5 U	5 U	5 U	16.9 B	5.3 B	22.1 B
Iron	402	28.5 B	719	44.7 B	79.9 B	31.4 B	49.9 B	20.9 B	459	19 U
Lead	1 U	1.5 U	1.7 U	1.1 U	1 U	1.4 U	2.9 U	1 U	1.8 U	3.7 U
Magnesium	11300	10800	42100	24900	3740 B	5670	17100	31000	7910	7910
Manganese	8.3 B	1.3 U	62.3	30.5	1.9 U	1 U	1 U	1 U	13.6 B	4.6 U
Mercury	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	79.9 U	66.8 U	51.6 U	21.7 U	12 U	12 U	12 U	12 U	19.5 U	12 U
Potassium	6870	6600	13900	8950	975 U	1080 U	7770	12000	4610 U	4400 U
Selenium	1.1 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Sodium	21800	20800	56900	35900	1980 B	2860 B	24400	40800	11100	11100
Thallium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	10.5 B	9.6 B	11.5 B	4.8 B	4 U	4 U	7.7 B	17.3 B	8.6 B	6.7 B
Zinc	4.4 U	13.1 U	5.7 U	8.2 U	4 U	4.8 U	4 U	14.8 U	27.5 U	18.4 U
Cyanide	10 U		10 U		10 U		10 U		10 U	

Results in µg/L.

Table C-3. Round 6, Metals and Cyanide Results

HANFORD WELL NUMBER	MW-8A		EQ. BLANK 1		EQ. BLANK 2		RWF-EAST		RWF-WEST	
SAMPLE DATE	6/17/91		6/18/91		6/18/91		6/18/91		6/18/91	
HEIS NUMBER	B00ZG9 Total	B00ZH0 Filtered	B00Z84 Total	B00Z85 Filtered	B00Z88 Total	B00Z89 Filtered	B00Z92 Total	B00Z93 Filtered	B00Z96 Total	B00Z97 Filtered
Aluminum	158 B	58 U	58 U	58 U	58 U	58 U	58 U	58 U	58 U	58 U
Antimony	24 U	24 U	24 U	24 U	25.3 B	24 U	31.7 U	24 U	32.5 U	32 U
Arsenic	3.4 B	3.4 B	1 U	1 U	1 U	1 U	1 B	1 U	1 U	1 U
Barium	64.4 U	21.9 U	23.1 U	23.1 U	24.4 U	24.4 U	9.6 U	9.6 U	9 U	9 U
Beryllium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Calcium	71100 U	24100 U	16600	16500	16200	16800	21500 U	21400 U	19100 U	18600 U
Chromium	19.4	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Cobalt	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Copper	5 U	5 U	5 U	5 U	5 U	5 U	33.5	31.4	184	34.6
Iron	254	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U	19 U
Lead	2.1 U	2.1 U	1 B	1 U	1 U	1 U	2.2 U	3.2 U	1.6 U	1.8 U
Magnesium	13800	4680 B	3510 B	3460 B	3600 B	3730 B	4150 B	4160 B	3850 B	3790 B
Manganese	9.7 B	1.9 U	1 U	1 U	1.5 B	1 U	1 U	1 U	1 U	1 U
Mercury	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	13.5 U	12 U	12 U	14.8 B	20.9 B	12 U	12 U	12 U	12 U	14.4 U
Potassium	7800	3160 U	1130 B	851 B	943 B	767 B	1470 U	1540 U	1250 U	1170 U
Selenium	1.2 B	1.2 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Sodium	24100	9650	5060	4940 B	5400	5610	2250 B	2350 B	2210 B	2150 B
Thallium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	8.6 B	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Zinc	22.3 U	4 U	158	129	147	155	13.2 U	21.6 U	13.5 U	22 U
Cyanide	10 U		10 U		10 U		10 U		10 U	

Results in µg/L.

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Table C-3. Round 6, Metals and Cyanide Results

HANFORD WELL NUMBER	MW-7A		S34-E10 MW-2		S38-E11 MW-7		S38-E11 MW-7 (SPLIT)		S37-E14	
SAMPLE DATE	7/24/91		6/11/91		6/11/91		6/11/91		6/11/91	
HEIS NUMBER	B00XY0 Total	B00XY1 Filtered	B00Z68 Total	B00Z69 Filtered	B00Z72 Total	B00Z73 Filtered	B00Z76 Total	B00Z77 Filtered	B00Z80 Total	B00Z81 Filtered
Aluminum	40 U	40 U	61.6 B	58 U	125 B	58 U	84.2 B	58 U	108 B	71.4 B
Antimony	46 U	46 U	24 U	24.4 U	24 U	24 U	30.1 U	24 U	24 U	24 U
Arsenic	7.3 B	6.9 B	4.7 B	3.8 B	7.4 B	7.2 B	7.5 B	7.3 B	1 U	2.9 B
Barium	52.8 U	52.8 U	56 U	57 U	36.6 U	32.8 U	32.8 U	36.5 U	13.4 U	13.4 U
Beryllium	1 U	1 U	1.4 B	1.4 B	1.8 B	1.8 B	1.8 B	1 U	1 U	1 U
Cadmium	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Calcium	55900 U	55500 U	53300 U	54800 U	55200 U	53400 U	53200 U	52100 U	25800 U	25800 U
Chromium	7 U	7 U	40.1	6 U	24	6 U	19.5	6 U	27.8	6 U
Cobalt	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Copper	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	14.7 B
Iron	63.5 B	15 U	234	29.8 B	236	28.5 B	159	30 B	246	32.3 B
Lead	2.1 U	1 U	1.5 U	1 U	1 U	1.4 U	2.8 U	3 U	6.9	1.8 U
Magnesium	11400	11200	10900	11100	9870	9480	9400	9960	4570 B	4530 B
Manganese	15.6	13.3 B	9.1 B	5 U	11.5 B	2.2 U	8.7 B	1 U	5.5 U	1.9 U
Mercury	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	18 U	18 U	31.1 U	12 U	13.8 U	12 U	12 U	17.4 U	13.9 U	12 U
Potassium	5560 U	5540 U	6420	6330	6740	6020	6500	6500	2290 U	2810 U
Selenium	1.6 B	1.9 B	1.6 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	5 U	5 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Sodium	23100	22800	21100	21500	23600	22500	22000	24400	4030 B	4030 B
Thallium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	12.3 B	7 U	9.8 B	4.5 B	13.4 B	12.5 B	15.1 B	15.4 B	6.7 B	4.8 B
Zinc	11.9 U	4 U	4 U	4 U	10.4 U	4 U	4 U	36.1 U	8.5 U	15.8 U
Cyanide	20		10 U		10 U		10 U		10 U	

Results in µg/L.

Table C-3. Round 6, Metals and Cyanide Results

HANFORD WELL NUMBER	S43-E12		S41-E13A		S41-E13B		S41-E13C MW-17		S31-E10A MW-12	
SAMPLE DATE	6/12/91		6/12/91		6/12/91		6/12/91		6/4/91	
HEIS NUMBER	B00ZB0 Total	B00ZB1 Filtered	B00ZB4 Total	B00ZB5 Filtered	B00ZB8 Total	B00ZB9 Filtered	B00ZC2 Total	B00ZC3 Filtered	B00Y20 Total	B00Y21 Filtered
Aluminum	86 B	58 U	58 U	58 U	92.2 B	58 U	487	58 U	71.5 B	58 U
Antimony	24 U	24 U	24 U	24 U	24 U	24 U	24 U	24 U	39.5 U	24 U
Arsenic	4.4 B	5.2 B	4.8 B	3.9 B	5 B	4.5 B	4.4 B	4.9 B	3.8 B	3.5 B
Barium	59.5 U	59.5 U	15.8 U	18.2 U	51 U	52.3 U	26.7 U	19.4 U	111 U	112 U
Beryllium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Calcium	93600	95800	28600 U	29700 U	62700 U	64000 U	25900 U	26800 U	111000	112000
Chromium	21.2	9.1 B	21.8	6 U	18.8	6 U	57.5	6 U	9.4 B	8.1 B
Cobalt	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Copper	15.8 B	5 U	5 U	5 U	23.2 B	5 U	7.4 B	5 U	6.2 B	5.1 B
Iron	102	48.5 B	89 B	28.1 B	132	68 B	729	26.2 B	56.5 B	28.3 B
Lead	2.2 U	1 U	1.5 U	2.3 U	1.9 U	1 U	4.9 U	1.1 U	1 U	1 U
Magnesium	17600	17700	5590	5770	12900	13000	5430	5460	22400	22600
Manganese	1.6 U	2.9 U	1.8 U	1.8 U	5.9 U	3.6 U	114	92.8	2.7 U	2.7 U
Mercury	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	20.8 U	21.7 U	15.6 U	13.5 U	17.4 U	12 U	60.3 U	13.9 U	12 U	12 U
Potassium	8590	8510	3580 U	3250 U	6170	5870	4020 U	3800 U	9190	8810
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5 B	1 U
Silver	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Sodium	25500	25200	4840 B	5070	15200	15400	16200	16700	31000	31300
Thallium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	8.6 B	10.6 B	8.6 B	5.8 B	12.5 B	4 U	4 U	4 U	10.9 B	9 B
Zinc	18 U	9.3 U	6.1 U	10.7 U	26.8 U	15 U	4 U	5.2 U	6 U	4.2 U
Cyanide	10 U		10 U		10 U		10 U		10 U	

Results in µg/L.

Table C-3. Round 6, Metals and Cyanide Results

HANFORD WELL NUMBER	S31-E10B		S31-E10C		S31-E10D		S31-E8		S32-E8	
	MW-13		MW-14		MW-15		MW-8		MW-9	
SAMPLE DATE	6/4/91		6/4/91		6/4/91		6/5/91		6/5/91	
HEIS NUMBER	B00Y24	B00Y25	B00Y28	B00Y29	B00Y32	B00Y33	B00Y36	B00Y37	B00Y40	B00Y41
	Total	Filtered	Total	Filtered	Total	Filtered	Total	Filtered	Total	Filtered
Aluminum	139 B	58.7 B	62.5 B	58 U		58 U	58 U	58 U	73.9 B	58 U
Antimony	24 U	40.8 U	24 U	28.9 U		24 U	24 U	24 U	24 U	24 U
Arsenic	3.5 B	3.6 B	1.8 B	1.7 B	N	4.8 B	7.2 B	7.4 B	1.8 B	1.7 B
Barium	96.3 U	96.3 U	84.5 U	86.4 U	O	78.3 U	48.5 U	48.5 U	64.6 U	64 U
Beryllium	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U
Cadmium	3 U	3 U	3 U	3 U	A	3 U	3 U	3 U	3 U	3 U
Calcium	105000	104000	107000	108000	N	86400	55300 U	54900 U	20200 U	20200 U
Chromium	18.7	6 U	15	6.2 B	A	8.7 B	13.1	10.6	22.5	7.5 B
Cobalt	5 U	5 U	5 U	5 U	L	5 U	5 U	5 U	5 U	5 U
Copper	5 U	5 U	5 U	5 U	Y	5 U	5 U	5 U	5 U	5 U
Iron	216	46.1 B	70.4 B	26.3 B	S	24.3 B	39.7 B	34.2 B	81.3 B	35.2 B
Lead	1 U	1 U	1 U	1 U	I	1.1 U	1 U	21	1 U	1.2 U
Magnesium	21300	21200	22100	22400	S	17600	12900	12700	4750 B	4690 B
Manganese	10 B	2.8 U	7 U	5.1 U		1.4 U	1.3 U	1.6 U	87	84.1
Mercury	0.2 U	0.2 U	0.2 U	0.2 U	R	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	12 U	12 U	12 U	12 U	E	12 U	12 U	12 U	12 U	12 U
Potassium	8460	8560	9010	8930	P	7910	5190 U	5060 U	5010 U	4450 U
Selenium	1 U	1 U	1 U	1 U	O	1 U	1 U	1 U	1 U	1 U
Silver	4 U	4 U	4 U	4 U	R	4 U	4 U	4 U	4 U	4 U
Sodium	29500	29700	30600	31100	T	26200	18900	18900	14300	15000
Thallium	1 U	1 U	1 U	1 U	E	1 U	1 U	1 U	1 U	1 U
Vanadium	9.9 B	8 B	7 B	4 B	D	9 B	13.9 B	14.9 B	6 B	5 B
Zinc	4 U	9.8 U	4.7 U	4 U		4.4 U	4 U	4 U	4 U	4 U
Cyanide	10 U		10 U				10 U		10 U	

Results in $\mu g/L$.

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Table C-3. Round 6, Metals and Cyanide Results

HANFORD WELL NUMBER	S30-E10A MW-10		S30-E10A MW-10 (DUP)		S30-E10B MW-11		S30-E10B MW-11 (SPLIT)	
SAMPLE DATE	6/5/91		6/5/91		6/5/91		6/5/91	
HEIS NUMBER	B00Y44 Total	B00Y45 Filtered	B00Y48 Total	B00Y49 Filtered	B00Y52 Total	B00Y53 Filtered	B00Y56 Total	B00Y57 Filtered
Aluminum	103 B	58 U	106 B	58 U	83 B	58 U	165 B	58 U
Antimony	24 U	24 U	33.3 U	31 U	27.4 U	49.2 U	24 U	31.4 U
Arsenic	2.8 B	3.3 B	3.1 B	3 B	2.1 B	2.1 B	2.2 B	1.9 B
Barium	88.8 U	87 U	87.6 U	88.8 U	88.2 U	88.8 U	87 U	87 U
Beryllium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Calcium	97300	97500	97000	98300	105000	107000	105000	105000
Chromium	24.4	6 U	27.5	6.9 B	20	6 U	17.5	6 U
Cobalt	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Copper	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Iron	159	20.3 B	181	19 U	159	27.3 B	202	25.8 B
Lead	1 U	1 U	1 U	1 U	1 U	1 U	1.4 U	1 U
Magnesium	19900	19800	19700	19900	22000	22200	21900	21900
Manganese	5.2 U	1 U	6 U	1 U	64.3	57.9	57.9	57.9
Mercury	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	12 U	12 U	16.9 U	12 U	12 U	12 U	12 U	12 U
Potassium	8460	8390	8040	8710	9230	9350	9130	9480
Selenium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Silver	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Sodium	29500	29800	29200	29900	31900	32500	31800	31900
Thallium	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	8.9 B	6 B	5.9 B	5 B	4.9 B	5 B	5.9 B	7 B
Zinc	10.3 U	4 U	25.3 U	4.3 U	43.1 U	4.3 U	6.5 U	6.1 U
Cyanide	10 U		10 U		10 U		10 U	

Results in µg/L.

Table C-4. Round 6, Volatile Organic Results

HANFORD WELL NUMBER	S31-E10A MW-12	S31-E10B MW-13	S31-E10C MW-14	S31-E8 MW-8	S32-E8 MW-9	S30-E10A MW-10	S30-E10A MW-10 DUPE.	S30-E10B MW-11	S30-E10B MW-11 SPLIT	DAY TRIP TRIP BLANK	DAY TRIP TRIP BLANK
SAMPLE DATE	6/4/91	6/4/91	6/4/91	6/5/91	6/5/91	6/5/91	6/5/91	6/5/91	6/5/91	6/10/91	?
HEIS NUMBER	B00Y20	B00Y24	B00Y28	B00Y36	B00Y40	B00Y44	B00Y48	B00Y52	B00Y56	B00Z47	B00ZF6
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 J	2 J
Acetone	10 U	10 U	10 U	23 U	10 U	10 U	10 U	10 U	10 U	23	21
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	2 J
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	3 J	5 U	5 U	5 U	5 U	2 J	2 J	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	78	70	75	5 U	5 U	2 J	2 J	3 J	4 J	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Results in µg/L.

Table C-4. Round 6, Volatile Organic Results

HANFORD WELL NUMBER	S32-E13A	S31-E13	S30-E15A	S29-E12	S29-E12 FULL TRIP	S27-E14	S38-E12A MW-4	S38-E12B MW-5	S38-E12B MW-5 DUPE.	S38-E12B MW-5 DUPE.	S37-E11 MW-6
SAMPLE DATE	6/6/91	6/6/91	6/6/91	6/6/91	6/6/91	6/10/91	6/10/91	6/10/91	6/10/91	6/10/91	6/10/91
HEIS NUMBER	B00Y60	B00Y64	B00Y68	B00Y72	B00Y76	B00Z48	B00Z52	B00Z56	B00Z60	B00Z60RE	B00Z64
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	15 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	3 J	5 U	3 J	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	3 J	3 J	3 J	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Results in $\mu g/L$.

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Table C-4. Round 6, Volatile Organic Results

HANFORD WELL NUMBER	S37-E11 MW-6	DAY TRIP TRIP BLANK	DAY TRIP TRIP BLANK	S34-E10 MW-2	S38-E11 MW-7	S38-E11 MW-7	S37-E14	S43-E12	S41-E13A	S41-E13B	S41-E13C MW-17
SAMPLE DATE	6/10/91	?	?	6/11/91	6/11/91	6/11/91	6/11/91	6/12/91	6/12/91	6/12/91	6/12/91
HEIS NUMBER	B00Z64RE	B00ZD8	B00ZD8RE	B00Z68	B00Z72	B00Z76	B00Z80	B00ZB0	B00ZB4	B00ZB8	B00ZC2
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5 U	2 J	2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10 U	10 U	10 U	10 U	15 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	3 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	3 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Results in µg/L.

Table C-4. Round 6, Volatile Organic Results

HANFORD WELL NUMBER	DAY TRIP TRIP BLANK	DAY TRIP TRIP BLANK	EQUIP. BLANK 1	S41-E11 MW-1	S41-E12 MW-3	S40-E14	DAY TRIP TRIP BLANK	DAY TRIP TRIP BLANK	S31-E10D MW-15	S37-E12 MW-18	MW-8A
SAMPLE DATE	6/11/91	6/12/91	6/18/91	6/13/91	6/13/91	6/13/91	6/13/91	6/17/91	6/17/91	6/17/91	6/17/91
HEIS NUMBER	B00ZD9	B00ZF1	B00Z84	BOOZC6	BOOZD0	BOOZD4	BOOZF2	BOOZF4	BOOZF7	BOOZG1	BOOZG9
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	2 J	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U	5 U
Acetone	5 J	10 U	10 U	10 U	10 U	10 U	10 U	29 B	10 U	13 U	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	62	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Results in µg/L.

Table C-4. Round 6, Volatile Organic Results

HANFORD WELL NUMBER	EQUIP. BLANK 2	RWF-EAS	RWF-WES	DAY TRIP TRIP BLANK	DAY TRIP TRIP BLANK	MW-7A	MW-19	MW-20	MW-22	DAY TRIP TRIP BLANK	MW-21
SAMPLE DATE	6/18/91	6/18/91	6/18/91	6/18/91	6/27/91	6/27/91	6/27/91	6/27/91	6/27/91	7/16/91	7/16/91
HEIS NUMBER	B00Z88	B00Z92	B00Z96	B00ZF3	B00Y10	B00ZG5	B00ZH3	B00ZH4	B00ZH6	BOOY17	BOOZH5
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	5 U	5 U	5 U	0.7 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	10 U	10 U	11 U	12 B	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	5 U
Tetrachloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Total Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Results in $\mu g/L$.

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Table C-4. Round 6, Volatile Organic Results

HANFORD WELL NUMBER	MW-7A	DAY TRIP TRIP BLANK
SAMPLE DATE	7/24/91	7/24/91
HEIS NUMBER	B00XY0	BOOY18
Chloromethane	10 U	10 U
Bromomethane	10 U	10 U
Vinyl Chloride	10 U	10 U
Chloroethane	10 U	10 U
Methylene Chloride	5 U	3 J
Acetone	10 U	10 U
Carbon Disulfide	5 U	5 U
1,1-Dichloroethene	5 U	5 U
1,1-Dichloroethane	5 U	5 U
1,2-Dichloroethene (total)	5 U	5 U
Chloroform	5 U	5 U
1,2-Dichloroethane	5 U	5 U
2-Butanone	10 U	10 U
1,1,1-Trichloroethane	5 U	5 U
Carbon Tetrachloride	5 U	5 U
Vinyl Acetate	5 U	5 U
Bromodichloromethane	5 U	5 U
1,2-Dichloropropane	5 U	5 U
cis-1,3-Dichloropropene	5 U	5 U
Trichloroethene	5 U	5 U
Dibromochloromethane	5 U	5 U
1,1,2-Trichloroethane	5 U	5 U
Benzene	5 U	5 U
trans-1,3-Dichloropropene	5 U	5 U
Bromoform	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U
2-Hexanone	5 U	5 U
Tetrachloroethene	10 U	10 U
1,1,2,2-Tetrachloroethane	5 U	5 U
Toluene	5 U	5 U
Chlorobenzene	5 U	5 U
Ethylbenzene	5 U	5 U
Styrene	5 U	5 U
Total Xylenes	5 U	5 U

Results in μg/L.

Table C-5. Round 6, Semivolatile Organic Results

HANFORD WELL NUMBER	S31-E10A MW-12	S31-E10B MW-13	S31-E10C MW-14	S31-E8 MW-8	S32-E8 MW-9	S30-E10A MW-10	S30-E10A MW-10 DUPE.	S30-E10B MW-11	S30-E10B MW-11 SPLIT
SAMPLE DATE	6/4/91	6/4/91	6/4/91	6/5/91	6/5/91	6/5/91	6/5/91	6/5/91	6/5/91
HEIS NUMBER	B00Y20	B00Y24	B00Y28	B00Y36	B00Y40	B00Y44	B00Y48	B00Y52	B00Y56
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U

Results in $\mu g/L$.

Table C-5. Round 6, Semivolatile Organic Results

HANFORD WELL NUMBER	S31-E10A MW-12	S31-E10B MW-13	S31-E10C MW-14	S31-E8 MW-8	S32-E8 MW-9	S30-E10A MW-10	S30-E10A MW-10 DUPE.	S30-E10B MW-11	S30-E10B MW-11 SPLIT
SAMPLE DATE	6/4/91	6/4/91	6/4/91	6/5/91	6/5/91	6/5/91	6/5/91	6/5/91	6/5/91
HEIS NUMBER	B00Y20	B00Y24	B00Y28	B00Y36	B00Y40	B00Y44	B00Y48	B00Y52	B00Y56
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benz(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Results in μg/L.

Table C-5. Round 6, Semivolatile Organic Results

HANFORD WELL NUMBER	S32-E13A	S31-E13	S30-E15A	S29-E12	S29-E12 FULL TRIP	S27-E14	S38-E12A MW-4	S38-E12B MW-5	S38-E12B MW-5 DUPE.
SAMPLE DATE	6/6/91	6/6/91	6/6/91	6/6/91	6/6/91	6/10/91	6/10/91	6/10/91	6/10/91
HEIS NUMBER	B00Y60	B00Y64	B00Y68	B00Y72	B00Y76	B00Z48	B00Z52	B00Z56	B00Z60
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U

Results in $\mu g/L$.

Table C-5. Round 6, Semivolatile Organic Results

HANFORD WELL NUMBER	S32-E13A	S31-E13	S30-E15A	S29-E12	S29-E12 FULL TRIP	S27-E14	S38-E12A MW-4	S38-E12B MW-5	S38-E12B MW-5 DUPE.
SAMPLE DATE	6/6/91	6/6/91	6/6/91	6/6/91	6/6/91	6/10/91	6/10/91	6/10/91	6/10/91
HEIS NUMBER	B00Y60	B00Y64	B00Y68	B00Y72	B00Y76	B00Z48	B00Z52	B00Z56	B00Z60
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	34	10 U	10 U	10 U	19	10 U
4-Chlorophenyl-phenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Benz(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Results in μg/L.

Table C-5. Round 6, Semivolatile Organic Results

HANFORD WELL NUMBER	S37-E11 MW-6	S34-E10 MW-2	S38-E11 MW-7	S38-E11 MW-7 SPLIT	S37-E14	S43-E12	S41-E13A	S41-E13B	S41-E13C MW-17
SAMPLE DATE	6/10/91	6/11/91	6/11/91	6/11/91	6/11/91	6/12/91	6/12/91	6/12/91	6/12/91
HEIS NUMBER	B00Z64	B00Z68	B00Z72	B00Z76	B00Z80	B00ZB0	B00ZB4	B00ZB8	B00ZC2
Phenol	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U
bis(2-Chloroethoxy)methane	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U
Dimethylphthalate	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U

Results in µg/L.

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Table C-5. Round 6, Semivolatile Organic Results

HANFORD WELL NUMBER	S37-E11 MW-6	S34-E10 MW-2	S38-E11 MW-7	S38-E11 MW-7 SPLIT	S37-E14	S43-E12	S41-E13A	S41-E13B	S41-E13C MW-17
SAMPLE DATE	6/10/91	6/11/91	6/11/91	6/11/91	6/11/91	6/12/91	6/12/91	6/12/91	6/12/91
HEIS NUMBER	B00Z64	B00Z68	B00Z72	B00Z76	B00Z80	B00ZB0	B00ZB4	B00ZB8	B00ZC2
Acenaphthene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U
Dibenzofuran	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenyl ether	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	50 U	50 U	250 U	50 U	50 U	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	100 U	20 U	20 U	20 U	20 U	20 U	20 U
Benz(a)anthracene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	900	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U

Results in µg/L.

Table C-5. Round 6, Semivolatile Organic Results

HANFORD WELL NUMBER	EQUIP. BLANK 1	S41-E11 MW-1	S41-E12 MW-3	S40-E14	S31-E10D MW-15	S37-E12 MW-18	MW-8A	EQUIP. BLANK 2	RWF-EAST
SAMPLE DATE	6/18/91	6/13/91	6/13/91	6/13/91	6/17/91	6/17/91	6/17/91	6/18/91	6/18/91
HEIS NUMBER	B00Z84	BOOZC6	BOOZD0	BOOZD4	BOOZF7	BOOZG1	BOOZG9	B00Z88	B00Z92
Phenol	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Benzyl Alcohol	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Benzoic acid	50 U	50 U	50 U	50 U	66 U	50 U	50 U	50 U	50 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U	50 U	50 U	66 U	50 U	50 U	50 U	50 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	66 U	50 U	50 U	50 U	50 U
Dimethylphthalate	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
3-Nitroaniline	50 U	50 U	50 U	50 U	66 U	50 U	50 U	50 U	50 U

Results in $\mu g/L$.

Table C-5. Round 6, Semivolatile Organic Results

HANFORD WELL NUMBER	EQUIP. BLANK 1	S41-E11 MW-1	S41-E12 MW-3	S40-E14	S31-E10D MW-15	S37-E12 MW-18	MW-8A	EQUIP. BLANK 2	RWF-EAST
SAMPLE DATE	6/18/91	6/13/91	6/13/91	6/13/91	6/17/91	6/17/91	6/17/91	6/18/91	6/18/91
HEIS NUMBER	B00Z84	BOOZC6	BOOZD0	BOOZD4	BOOZF7	BOOZG1	BOOZG9	B00Z88	B00Z92
Acenaphthene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	66 U	50 U	50 U	50 U	50 U
4-Nitrophenol	50 U	50 U	50 U	50 U	66 U	50 U	50 U	50 U	50 U
Dibenzofuran	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenyl ether	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	66 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	66 U	50 U	50 U	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Pentachlorophenol	50 U	50 U	50 U	50 U	66 U	50 U	50 U	50 U	50 U
Phenanthrene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	27 U	20 U	20 U	20 U	20 U
Benz(a)anthracene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	13 U	10 U	10 U	10 U	10 U

Results in µg/L.

Table C-5. Round 6, Semivolatile Organic Results

HANFORD WELL NUMBER	RWF-WEST	MW-7A
SAMPLE DATE	6/18/91	7/24/91
HEIS NUMBER	B00Z96	B00XY0
Phenol	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U
2-Chlorophenol	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U
Benzyl Alcohol	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U
2-Methylphenol	10 U	10 U
bis(2-Chloroisopropyl)ether	10 U	10 U
4-Methylphenol	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U
Hexachloroethane	10 U	10 U
Nitrobenzene	10 U	10 U
Isophorone	10 U	10 U
2-Nitrophenol	10 U	10 U
2,4-Dimethylphenol	10 U	10 U
Benzoic acid	50 U	50 U
bis(2-Chloroethoxy)methane	10 U	10 U
2,4-Dichlorophenol	10 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U
Naphthalene	10 U	10 U
4-Chloroaniline	10 U	10 U
Hexachlorobutadiene	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U
2-Methylnaphthalene	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U
2,4,5-Trichlorophenol	50 U	50 U
2-Chloronaphthalene	10 U	10 U
2-Nitroaniline	50 U	50 U
Dimethylphthalate	10 U	10 U
Acenaphthylene	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U
3-Nitroaniline	50 U	50 U

Results in µg/L.

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WHC-MR- 0296

Table C-5. Round 6, Semivolatile Organic Results

HANFORD WELL NUMBER	RWF-WEST	MW-7A
SAMPLE DATE	6/18/91	7/24/91
HEIS NUMBER	B00Z96	B00XY0
Acenaphthene	10 U	10 U
2,4-Dinitrophenol	50 U	50 U
4-Nitrophenol	50 U	50 U
Dibenzofuran	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U
Diethylphthalate	10 U	10 U
4-Chlorophenyl-phenyl ether	10 U	10 U
Fluorene	10 U	10 U
4-Nitroaniline	50 U	50 U
4,6-Dinitro-2-methylphenol	50 U	50 U
N-Nitrosodiphenylamine	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U
Hexachlorobenzene	10 U	10 U
Pentachlorophenol	50 U	50 U
Phenanthrene	10 U	10 U
Anthracene	10 U	10 U
Di-n-butylphthalate	10 U	10 U
Fluoranthene	10 U	10 U
Pyrene	10 U	10 U
Butylbenzylphthalate	10 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U
Benz(a)anthracene	10 U	10 U
Chrysene	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U
Di-n-octylphthalate	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U
Benzo(a)pyrene	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U

Results in μg/L.

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Table C-6. Round 6, Pesticide/PCB Results

HANFORD WELL NUMBER	S34-E10 MW-2	S38-E11 MW-7	S38-E11 MW-7 SPLIT	S37-E14	S43-E12	S41-E13A	S41-E13B	S41-E13C MW-17	EQUIP. BLANK 1	S41-E11 MW-1	S41-E12 MW-3
SAMPLE DATE	6/11/91	6/11/91	6/11/91	6/11/91	6/12/91	6/12/91	6/12/91	6/12/91	6/18/91	6/13/91	6/13/91
HEIS NUMBER	B00Z68	B00Z72	B00Z76	B00Z80	B00ZB0	B00ZB4	B00ZB8	B00ZC2	B00Z84	BOOZC6	BOOZD0
alpha-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Endrin ketone	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
gamma-Chlordane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arochlor-1016	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1221	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1232	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1242	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1248	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1254	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arochlor-1260	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Results in µg/L.

Table C-6. Round 6, Pesticide/PCB Results

HANFORD WELL NUMBER	S40-E14	S31-E10D MW-15	S37-E12 MW-18	MW-8A	EQUIP. BLANK 2	RWF-EAS	RWF-WES	S31-E10A MW-12	S31-E10C MW-14	S31-E10B MW-13	S31-E8 MW-8
SAMPLE DATE	6/13/91	6/17/91	6/17/91	6/17/91	6/18/91	6/18/91	6/18/91	6/4/91	6/4/91	6/4/91	6/5/91
HEIS NUMBER	B00ZD4	B00ZF7	B00ZG1	B00ZG9	B00Z88	B00Z92	B00Z96	B00Y20	B00Y28	B00Y24	B00Y36
alpha-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Endrin ketone	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
gamma-Chlordane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arochlor-1016	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1221	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1232	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1242	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1248	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1254	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arochlor-1260	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Results in $\mu g/L$.

Table C-6. Round 6, Pesticide/PCB Results

HANFORD WELL NUMBER	S32-E8 MW-9	S30-E10A MW-10	S30-E10A MW-10 DUPE.	S30-E10B MW-11	S30-E10B MW-11 SPLIT	S32-E13A	S31-E13	S30-E15A	S29-E12	S29-E12 FULL TRIP	S27-E14
SAMPLE DATE	6/5/91	6/5/91	6/5/91	6/5/91	6/5/91	6/6/91	6/6/91	6/6/91	6/6/91	6/6/91	6/10/91
HEIS NUMBER	B00Y40	B00Y44	B00Y48	B00Y52	B00Y56	B00Y60	B00Y64	B00Y68	B00Y72	B00Y76	B00Z48
alpha-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Endrin ketone	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
gamma-Chlordane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arochlor-1016	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1221	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1232	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1242	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1248	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1254	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Arochlor-1260	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Results in µg/L.

Table C-6. Round 6, Pesticide/PCB Results

HANFORD WELL NUMBER	S38-E12A MW-4	S38-E12B MW-5	S38-E12B MW-5 DUPE.	S37-E11 MW-6
SAMPLE DATE	6/10/91	6/10/91	6/10/91	6/10/91
HEIS NUMBER	B00Z52	B00Z56	B00Z60	B00Z64
alpha-BHC	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor epoxide	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	0.5 U	0.5 U	0.5 U	0.5 U
Endrin ketone	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	0.5 U	0.5 U	0.5 U	0.5 U
gamma-Chlordane	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	1 U	1 U	1 U	1 U
Arochlor-1016	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1221	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1232	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1242	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1248	0.5 U	0.5 U	0.5 U	0.5 U
Arochlor-1254	1 U	1 U	1 U	1 U
Arochlor-1260	1 U	1 U	1 U	1 U

Results in μg/L.