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0041467

Analytical and Supporting Laboratory Quality Control Data For DOE - Hanford North Slope Site H-06-1

Prepared by: Environmental Science & Engineering, Inc.

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9513356.0465

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CASE NARRATIVE

DOE - Hanford North Slope Site H-06-l

The samples were analyzed using the prescribed EPA methods and EPA holding times were met.

In general, the laboratory quality control (QC) requirements have been met and the sample matrix quality control outliers are due to matrix effects. Sample W2-02000 was a sample of the containerized decontamination water. Due to the high detergent content the surrogates failed recovery criteria. This sample was reanalyzed with similar results. All QC outliers are addressed by the analyst, the department manager and/or the laboratory coordinator in the batch. This information can be found at the end of the batch checklist page.

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Sample Date, Cross Reference &

Methodologies Report

95133356.0468

Soils

SAMPLE DATE AND CROSS REFERENCE REPORT FOR CDM - HANFORD NORTH SLOPE LABORATORY ANALYSES

HEIS #	CDM SAMPLE ID	LABORATORY SAMPLE ID	DATE COLLECT	DATE RECEIVED	ANALYSIS DESCRIPTION	DATE EXTRACTED	DATE ANALYZED	DAYS, ACTUAL/HOLD TIME DAYS TO EXTRACTION	DAYS TO ANALYSIS	ESE BATCH
B0BT06	EA01-7-08	CDMHNSS*39	06/06/94	06/08/94	SCREEN, ALPHA/BETA	NA	06/08/94	NA	2/2	G50075
					PERCENT MOISTURE - ASTM D2216	NA	06/08/94	NA	2/180	G49949
					OCPS/PCBS - EPA 8080/3540 (SOX)	06/08/94	06/09/94	2/14	1/40	G49999
B0BT07	EA01-8-11	CDMHNSS*40	06/06/94	06/08/94	SCREEN, ALPHA/BETA	NA	06/08/94	NA	2/2	G50075
					PERCENT MOISTURE - ASTM D2216	NA	06/08/94	NA	2/180	G49949
					OCPS/PCBS - CLP SOW OLM01.8	06/08/94	06/15/94	2/14	7/40	G50312
B0BT08	EA01-9-11	CDMHNSS*41	06/06/94	06/08/94	SCREEN, ALPHA/BETA	NA	06/08/94	NA	2/2	G50075
					PERCENT MOISTURE - ASTM D2216	NA	06/08/94	NA	2/180	G49949
					OCPS/PCBS - EPA 8080/3540 (SOX)	06/08/94	06/09/94	2/14	1/40	G49999
B0BT09	EA01-10-11	CDMHNSS*42	06/06/94	06/08/94	SCREEN, ALPHA/BETA	NA	06/08/94	NA	2/2	G50075
					PERCENT MOISTURE - ASTM D2216	NA	06/08/94	NA	2/180	G49949
					OCPS/PCBS - EPA 8080/3540 (SOX)	06/08/94	06/09/94	2/14	1/40	G49999
B0BT10	A0111012	CDMHNSS*43	06/07/94	06/09/94	SCREEN, ALPHA/BETA	NA	06/08/94	NA	1/2	G50075
					PERCENT MOISTURE - ASTM D2216	NA	06/09/94	NA	2/180	G49987
					OCPS/PCBS - EPA 8080/3540 (SOX)	06/09/94	06/15/94	2/14	6/40	G50054
B0BT11	A0112012	CDMHNSS*44	06/07/94	06/09/94	SCREEN, ALPHA/BETA	NA	06/08/94	NA	1/2	G50075
					PERCENT MOISTURE - ASTM D2216	NA	06/09/94	NA	2/180	G49987
					OCPS/PCBS - EPA 8080/3540 (SOX)	06/09/94	06/15/94	2/14	6/40	G50054

FOOTNOTES: * = EXCEEDS CRITERIA ACT = ACTUAL HT = HOLDING TIME

95-5356-3969

000004

95133S6.0470

Waters

ENVIRONMENTAL SCIENCE & ENGINEERING, INC.

SAMPLE DATE AND CROSS REFERENCE REPORT FOR CDM - HANFORD NORTH SLOPE LABORATORY ANALYSES

CDM SAMPLE ID	LABORATORY SAMPLE ID	DATE COLLECT	DATE RECEIVED	ANALYSIS DESCRIPTION	DATE EXTRACTED	DATE ANALYZED	DAYS, ACTUAL/HOLD TIME DAYS TO EXTRACTION	DAYS TO ANALYSIS	ESE BATCH
W2-02000	CDMHNSW*14	06/08/94	06/09/94	OCPS/PCBS - EPA 8080/3520 (CLL)	06/09/94	06/15/94	1/7	6/40	G50052
A0109EB3	CDMHNSW*21	06/08/94	06/09/94	OCPS/PCBS - EPA 8080/3520 (CLL)	06/09/94	06/16/94	1/7	7/40	G50052

FOOTNOTES: * = EXCEEDS CRITERIA ACT = ACTUAL HT = HOLDING TIME

000006

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Analytical Data

95133S6.0473

Soils

9913356.0474

PROJECT NUMBER 1944022G 0201 PROJECT NAME CDM - HANFORD N. SLOPE
FIELD GROUP CDMHNSS PROJECT MANAGER E.H. MANSFIELD
ALL LAB COORDINATOR EDWARD MANSFIELD

SAMPLE ID'S		EA01-7-08	EA01-8-11	EA01-9-11	EA01-10-11	A0111012	A0112012
PARAMETERS	STORET	CDMHNSS	CDMHNSS	CDMHNSS	CDMHNSS	CDMHNSS	CDMHNSS
UNITS	METHOD	39	40	41	42	43	44
DATE		06/06/94	06/06/94	06/06/94	06/06/94	06/07/94	06/07/94
TIME		12:55	15:48	15:55	16:00	12:20	12:25
FIELD I.D.		29H06L(E)	A01H06L(E)	A01H06L(E)	A01H06L(E)	A01H06L(E)	A01H06L(2)
#	0						
SITE #	96274	94H06L	94H06L	94H06L	94H06L	94H06L	94H06L
	0						
CHAIN OF CUSTODY	96793	21	21	21	21	23	23
#	0						
SCREEN,GR. ALPHA,	96636	0.0	52.0	15.4	0.0	0.0	0.0
(ESTIMATE)NCI/KG-WET	R						
SCREEN,GR. BETA,	96637	19.4	24.4	30.9	26.8	21.3	31.1
(ESTIMATE)NCI/KG-WET	R						
MOISTURE	70320	6.6	6.4	5.9	6.2	3.9	4.9
%WET WT	I						
ALDRIN	39333	<0.714	<0.712	<0.708	<0.711	<0.694	<0.701
UG/KG-DRY	8080/3540-G						
BHC,A	39076	<0.714	<0.712	<0.708	<0.711	<0.694	<0.701
UG/KG-DRY	8080/3540-G						
BHC,B	34257	<0.714	<0.712	<0.708	<0.711	<0.694	<0.701
UG/KG-DRY	8080/3540-G						
BHC,D	34262	<0.714	<0.712	<0.708	<0.711	<0.694	<0.701
UG/KG-DRY	8080/3540-G						
BHC,G(LINDANE)	39783	<0.714	<0.712	<0.708	<0.711	<0.694	<0.701
UG/KG-DRY	8080/3540-G						
CHLORDANE	39351	<3.57	<3.56	<3.54	<3.55	<3.47	<3.51
UG/KG-DRY	8080/3540-G						
DDD,PP'	39311	148	<0.712	8.81	11.0	2.87	5.92
UG/KG-DRY	8080/3540-G						
DDE,PP'	39321	210	<0.712	1.09	7.92	2.81	6.84
UG/KG-DRY	8080/3540-G						
DDT,PP'	39301	2230	14.9	23.5	302	254	121
UG/KG-DRY	8080/3540-G						
DIELDRIN	39383	164	<0.712	<0.708	4.45	2.22	6.95
UG/KG-DRY	8080/3540-G						
ENDOSULFAN,A	34364	<0.714	<0.712	<0.708	<0.711	<0.971	<0.981
UG/KG-DRY	8080/3540-G						
ENDOSULFAN,B	34359	<0.714	<0.712	<0.708	<0.711	<0.694	<0.701
UG/KG-DRY	8080/3540-G						
ENDOSULFAN SULFATE	34354	<0.714	<0.712	<0.708	<0.711	<0.694	<0.701
UG/KG-DRY	8080/3540-G						
ENDRIN	39393	<0.999	<0.997	<0.992	<0.995	<1.18	<1.19
UG/KG-DRY	8080/3540-G						
ENDRIN ALDEHYDE	34369	<0.714	<0.712	<0.708	<0.711	0.0	0.0
UG/KG-DRY	8080/3540-G						
HEPTACHLOR	39413	<0.714	<0.712	<0.708	<0.711	<0.694	<0.701
UG/KG-DRY	8080/3540-G						
HEPTACHLOR EPOXIDE	39423	<0.714	<0.712	<0.708	<0.711	<0.694	<0.701
UG/KG-DRY	8080/3540-G						
METHOXYCHLOR	39481	<0.714	<0.712	<0.708	<0.711	<0.694	<0.701
UG/KG-DRY	8080/3540-G						
TOXAPHENE	39403	<71.4	<71.2	<70.8	<71.1	<69.4	<70.1
UG/KG-DRY	8080/3540-G						
PCB-1016	39514	<14.3	<14.2	<14.2	<14.2	<13.9	<14.0
UG/KG-DRY	8080/3540-G						
PCB-1221	39491	<14.3	<14.2	<14.2	<14.2	<13.9	<14.0
UG/KG-DRY	8080/3540-G						
PCB-1232	39495	<14.3	<14.2	<14.2	<14.2	<13.9	<14.0
UG/KG-DRY	8080/3540-G						
PCB-1242	39499	<14.3	<14.2	<14.2	<14.2	<13.9	<14.0
UG/KG-DRY	8080/3540-G						
PCB-1248	39503	<14.3	<14.2	<14.2	<14.2	<13.9	<14.0
UG/KG-DRY	8080/3540-G						
PCB-1254	39507	<14.3	<14.2	<14.2	<14.2	<13.9	<14.0
UG/KG-DRY	8080/3540-G						
PCB-1260	39511	<14.3	<14.2	<14.2	<14.2	<13.9	<14.0
UG/KG-DRY	8080/3540-G						

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Waters

Environmental Science & Engineering DATE 07/01/94 STATUS : PAGE 1
PROJECT NUMBER 1944022G 0201 PROJECT NAME CDM - HANFORD N. SLOPE
FIELD GROUP CDMHNSW PROJECT MANAGER E.H. MANSFIELD
ALL LAB COORDINATOR EDWARD MANSFIELD

SAMPLE ID'S			WW2-02000	A0109EB3
PARAMETERS		STORET	CDMHNSW	CDMHNSW
	UNITS	METHOD	14	21
DATE			06/08/94	06/08/94
TIME			09:00	08:00
FIELD I.D.			29H06L(E)	WW2H06L(E)A01
	#		0	
SITE #			96274	94H06L 94H06L
			0	
CHAIN OF CUSTODY			96793	23 23
	#		0	
ALDRIN			39330	<0.005 <0.005
	UG/L	8080/3520-G		
BHC,A			39337	<0.005 <0.005
	UG/L	8080/3520-G		
BHC,B			39338	<0.005 <0.005
	UG/L	8080/3520-G		
BHC,D			34259	<0.005 <0.005
	UG/L	8080/3520-G		
BHC,G(LINDANE)			39340	<0.005 <0.005
	UG/L	8080/3520-G		
CHLORDANE			39350	<0.025 <0.025
	UG/L	8080/3520-G		
DDD,PP'			39310	0.041 <0.009
	UG/L	8080/3520-G		
DDE,PP'			39320	0.019 <0.007
	UG/L	8080/3520-G		
DDT,PP'			39300	0.581 <0.011
	UG/L	8080/3520-G		
DIELDRIN			39380	0.018 <0.008
	UG/L	8080/3520-G		
ENDOSULFAN,A			34361	<0.007 <0.007
	UG/L	8080/3520-G		
ENDOSULFAN,B			34356	<0.005 <0.005
	UG/L	8080/3520-G		
ENDOSULFAN SULFATE			34351	<0.005 <0.005
	UG/L	8080/3520-G		
ENDRIN			39390	<0.009 <0.009
	UG/L	8080/3520-G		
ENDRIN ALDEHYDE			34366	0.0 0.0
	UG/L	8080/3520-G		
HEPTACHLOR			39410	<0.005 <0.005
	UG/L	8080/3520-G		
METHOXYCHLOR			39480	<0.005 <0.005
	UG/L	8080/3520-G		
HEPTACHLOR EPOXIDE			39420	<0.005 <0.005
	UG/L	8080/3520-G		
TOXAPHENE			39400	<0.500 <0.500
	UG/L	8080/3520-G		
PCB-1016			34671	<0.100 <0.100
	UG/L	8080/3520-G		
PCB-1221			39488	<0.100 <0.100
	UG/L	8080/3520-G		
PCB-1232			39492	<0.100 <0.100
	UG/L	8080/3520-G		
PCB-1242			39496	<0.100 <0.100
	UG/L	8080/3520-G		
PCB 1248			39500	<0.100 <0.100
	UG/L	8080/3520-G		
PCB-1254			39504	<0.100 <0.100
	UG/L	8080/3520-G		
PCB-1260			39508	<0.100 <0.100
	UG/L	8080/3520-G		

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An ESE Batch Summary Example and Description

ESE Data Batch - QC Summary - A Description

The following item numbers are keyed the the example batch summary that immediately follows this description:

1. The ESE batch number appears at the top of each page. A general description of and the method number appear after the batch number on the first page of the batch.

2. This item contains information concerning the batch status, method blank correction (if any), batch notes, the ESE field group name, and lab coordinator responsible for those field groups.

3. This item lists the laboratory and client sample identification. In CLASS (ESE's LIMS), samples are identified using the combination of the field group name and sequence number. For example in the attached batch summary, the field group name is CDMHNSS; the sequence numbers are 39-42. The interpretation of the field group name is as follows:

CDM - Client Name
HNS - Location (Hanford, North Slope)
S - Soils

The date of analysis is always recorded; and in this report, these dates are summarized in the "Sample Date Report" section. For selected methods, the date and time of analysis for each sample is recorded in the data batch file; this information is displayed in section 3 of this summary.

4. Section 4 summarizes the QC data for that batch of samples and analysis; this section of the report is segregated by QC type. Each area details the samples, units, found, target, percent recovery, and criteria used for the acceptance of the data.

For QC performed on environmental samples, the field group * sequence number of the sample used is encoded in the series under the header "SAMPLE". For example under Sample Matrix Spike Recovery Summary, SPM1*CDMHNSS*40 can be read as matrix spike one for sample CDMHNSS*40.

The following abbreviations are used in the QC section:

MB = Method Blank
SP = Standard Matrix Spike (equivalent to LCS)
LCS = Laboratory Control Sample (equivalent to SP)
RP = Replicate
RF = Reference
SPM = Sample Matrix Spike
SUR = Surrogate
SPX = Analytical (post-digestion) Spike

5. Section 5 summarizes the automated computer checks that are performed for each batch (as appropriate to the method). Each and every "no" answer requires a comment by the analyst and/or their supervisor. The explanation is printed at the bottom of the page.

ESE BATCH : G49999
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOX)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : CURTIS GUINYARD
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 06/27/94 08:28:03
ANALYSIS DATE : 06/08/94
EXTRACT DATE : 06/08/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

FIELD GRP	QC TYPE	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
CDMHNSS		1944022G 0201	CDM - HANFORD N. SLOPE	EDWARD MANSFIELD

SAMPLE CODE	CLIENT ID	DATE ANALYZED	TIME ANALYZED
CDMHNSS*39	EA01-7-08	06/09/94	07:23PM
CDMHNSS*40	EA01-8-11	06/09/94	08:16PM
CDMHNSS*41	EA01-9-11	06/09/94	09:08PM
CDMHNSS*42	EA01-10-11	06/09/94	10:00PM

ESE BATCH : G49999

HOLDING TIMES CHECK

SAMPLE	ANALYTE	ANL DATE	EXT DATE	SMP DATE	H.T.	OVER

ALL HOLDING TIMES MET

STORET: 96471 METHOD: SUR TETRACHLORO-M-XYLENE, UG/G QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 06/09/94 LARGEST RESP=1558786 %RSD=3.6049 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	14954	74223	157538	397233	814963	1558786
CONC':	0.001	0.005	0.019	0.039	0.097	0.202	0.400
R.T.:		12.505	12.505	12.504	12.503	12.503	12.502

CONC = 1.4521E-03+ 2.3696E-07*RESP+ 1.1813E-14*RESP**2+ *RESP**3
95% C.I.= 2.3423E-03 1.0812E-08 6.9242E-15
CORRELATION COEFFICIENT = .9999

STORET: 39076 METHOD: 8080/3540-G BHC,A, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=450759 %RSD=13.1083 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3746	16667	32758	81761	189032	450759
CONC':	0.214	1.34	5.19	9.89	23.7	50.8	99.9
R.T.:		15.437	15.436	15.436	15.436	15.436	15.437

CONC = 2.1390E-01+ 3.0125E-04*RESP+ -1.7769E-10*RESP**2+ *RESP**3
95% C.I.= 8.9361E-01 1.6048E-05 3.5002E-11
CORRELATION COEFFICIENT = .9998

STORET: 39783 METHOD: 8080/3540-G BHC,G(LINDANE), UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=403690 %RSD=11.3307 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3228	15490	30826	76851	174026	403690
CONC':	0.187	1.23	5.14	9.96	23.9	50.7	99.9
R.T.:		17.117	17.116	17.117	17.116	17.117	17.116

CONC = 1.8703E-01+ 3.2283E-04*RESP+ -1.8774E-10*RESP**2+ *RESP**3
95% C.I.= 7.3892E-01 1.4547E-05 3.5478E-11
CORRELATION COEFFICIENT = .9999

STORET: 34262 METHOD: 8080/3540-G BHC,D, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=283924 %RSD=8.2026 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2748	12494	24389	57023	123092	283924
CONC':	-.319	0.926	5.29	10.5	24.4	50.2	100.0
R.T.:		18.969	18.967	18.967	18.967	18.968	18.968

CONC = -3.1863E-01+ 4.5372E-04*RESP+ -3.5373E-10*RESP**2+ *RESP**3
95% C.I.= 5.2021E-01 1.4246E-05 4.9245E-11
CORRELATION COEFFICIENT = .9999

STORET: 39413 METHOD: 8080/3540-G HEPTACHLOR, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=536216 %RSD=4.1545 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5409	25464	50452	120820	255505	536216
CONC':	-.092	1.03	5.16	10.3	24.4	50.3	100.0
R.T.:		18.507	18.505	18.506	18.505	18.506	18.505

CONC = -9.1672E-02+ 2.0708E-04*RESP+ -3.8234E-11*RESP**2+ *RESP**3
95% C.I.= 4.3689E-01 6.0637E-06 1.1179E-11
CORRELATION COEFFICIENT = 1.0000

STORET: 34257 METHOD: 8080/3540-G BHC,B, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=243654 %RSD=2.2917 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2417	11754	23860	57078	118222	243654

ESE BATCH : G49999

CONC':	-.086	0.974	5.06	10.3	24.6	50.2	100.0
R.T.:		17.400	17.399	17.400	17.399	17.400	17.399

CONC = -8.6261E-02+ 4.3881E-04*RESP+ -1.1544E-10*RESP**2+ *RESP**3
95% C.I.= 3.1764E-01 9.5779E-06 3.8911E-11
CORRELATION COEFFICIENT = 1.0000

STORET: 39333 METHOD: 8080/3540-G ALDRIN, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=508911 %RSD=22.1330 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6327	20013	38128	92789	215402	508911
CONC':	-.033	1.64	5.23	9.91	23.5	50.9	99.9
R.T.:		19.913	19.914	19.913	19.913	19.915	19.916

CONC = -3.2753E-02+ 2.6587E-04*RESP+ -1.3662E-10*RESP**2+ *RESP**3
95% C.I.= 1.0566E+00 1.6707E-05 3.2230E-11
CORRELATION COEFFICIENT = .9998

STORET: 39423 METHOD: 8080/3540-G HEPTACHLOR EPOXIDE, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=422252 %RSD=7.2910 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3791	17760	35971	86479	187923	422252
CONC':	-.066	1.04	5.10	10.3	24.3	50.3	100.0
R.T.:		22.265	22.265	22.264	22.265	22.266	22.266

CONC = -6.5731E-02+ 2.9337E-04*RESP+ -1.3378E-10*RESP**2+ *RESP**3
95% C.I.= 4.7045E-01 8.6040E-06 2.0066E-11
CORRELATION COEFFICIENT = 1.0000

STORET: 34364 METHOD: 8080/3540-G ENDOSULFAN,A, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=335002 %RSD=7.4876 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3031	13806	28832	68963	151228	335002
CONC':	0.025	1.12	5.00	10.3	24.1	50.5	99.9
R.T.:		23.611	23.611	23.610	23.611	23.613	23.613

CONC = 2.5372E-02+ 3.6268E-04*RESP+ -1.9233E-10*RESP**2+ *RESP**3
95% C.I.= 5.8670E-01 1.3481E-05 3.9684E-11
CORRELATION COEFFICIENT = .9999

STORET: 39321 METHOD: 8080/3540-G DDE,PP', UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=319757 %RSD=6.2994 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2847	14017	28776	66223	147326	319757
CONC':	-.003	1.05	5.15	10.5	23.7	50.6	99.9
R.T.:		24.218	24.219	24.219	24.218	24.220	24.221

CONC = -2.6971E-03+ 3.7047E-04*RESP+ -1.8136E-10*RESP**2+ *RESP**3
95% C.I.= 8.4528E-01 2.0195E-05 6.2331E-11
CORRELATION COEFFICIENT = .9999

STORET: 39383 METHOD: 8080/3540-G DIELDRIN, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=341458 %RSD=10.0613 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2799	13230	27551	66406	147445	341458
CONC':	0.043	1.10	5.02	10.3	24.1	50.5	99.9
R.T.:		24.536	24.538	24.537	24.536	24.538	24.540

CONC = 4.3371E-02+ 3.7948E-04*RESP+ -2.5452E-10*RESP**2+ *RESP**3
95% C.I.= 5.7684E-01 1.3317E-05 3.8367E-11
CORRELATION COEFFICIENT = .9999

STORET: 39393 METHOD: 8080/3540-G ENDRIN, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.4 DATE: 06/09/94 LARGEST RESP=94258 %RSD=10.7479 RT WINDOW:

CONC :	0	1	5	10	25	50	100

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ESE BATCH       : G49999
   RESP :          0       799      4252      8936     20872     53342     94258
   CONC':       1.36      2.07      5.16      9.42      20.6      53.2      99.2
    R.T.:                25.714    25.713    25.712    25.712    25.715    25.716

    CONC    =   1.3552E+00+  8.8780E-04*RESP+  1.5922E-09*RESP**2+           *RESP**3
    95% C.I.=   3.2345E+00   2.5936E-04         2.7717E-09
    CORRELATION COEFFICIENT = .9979
```

STORET: 39311 METHOD: 8080/3540-G DDD,PP', UG/KG-DRY QUAD

```
  CALIBRATION CURVE # 1   (NG/ML)
    DETECTION LIMIT=1  DATE: 06/09/94  LARGEST RESP=166010 %RSD=4.7143  RT WINDOW:
   CONC :          0         1         5        10        25        50       100
   RESP :          0      1522      7687     16695     37434     77096    166010
   CONC':       -.327     0.721      4.94      11.0      24.8      49.8       100
    R.T.:                25.940    25.942    25.940    25.940    25.943    25.944

    CONC    =  -3.2717E-01+  6.8970E-04*RESP+ -5.1258E-10*RESP**2+           *RESP**3
    95% C.I.=   6.6144E-01   2.9578E-05         1.7558E-10
    CORRELATION COEFFICIENT = .9999
```

STORET: 34359 METHOD: 8080/3540-G ENDOSULFAN,B, UG/KG-DRY QUAD

```
  CALIBRATION CURVE # 1   (NG/ML)
    DETECTION LIMIT=1  DATE: 06/09/94  LARGEST RESP=212301 %RSD=6.0587  RT WINDOW:
   CONC :          0         1         5        10        25        50       100
   RESP :          0      2386     10754     22749     50665    104553    212301
   CONC':       -.270     0.902      5.00      10.9      24.4      50.1     100.0
    R.T.:                26.284    26.284    26.283    26.283    26.286    26.286

    CONC    =  -2.6981E-01+  4.9128E-04*RESP+ -8.9495E-11*RESP**2+           *RESP**3
    95% C.I.=   6.2612E-01   2.1392E-05         9.9655E-11
    CORRELATION COEFFICIENT = .9999
```

STORET: 39301 METHOD: 8080/3540-G DDT,PP', UG/KG-DRY QUAD

```
  CALIBRATION CURVE # 1   (NG/ML)
    DETECTION LIMIT=1  DATE: 06/09/94  LARGEST RESP=153046 %RSD=8.0922  RT WINDOW:
   CONC :          0         1         5        10        25        50       100
   RESP :          0      1807      7597     17406     37966     76643    153046
   CONC':       -.270     0.913      4.70      11.1      24.6      49.9       100
    R.T.:                26.950    26.954    26.951    26.952    26.954    26.955

    CONC    =  -2.6981E-01+  6.5433E-04*RESP+  6.8033E-12*RESP**2+           *RESP**3
    95% C.I.=   7.2578E-01   3.3929E-05         2.1952E-10
    CORRELATION COEFFICIENT = .9999
```

STORET: 34369 METHOD: 8080/3540-G ENDRIN ALDEHYDE, UG/KG-DRY QUAD

```
  CALIBRATION CURVE # 1   (NG/ML)
    DETECTION LIMIT=1  DATE: 06/09/94  LARGEST RESP=509147 %RSD=19.8114  RT WINDOW:
   CONC :          0         1         5        10        25        50       100
   RESP :          0      6840     38414     66314    151698    218621    509147
   CONC':      -2.04      -.549      6.30      12.3      30.3      44.1       101
    R.T.:                23.812    23.809    23.812    23.807    23.808    23.812

    CONC    =  -2.0407E+00+  2.1833E-04*RESP+ -3.2989E-11*RESP**2+           *RESP**3
    95% C.I.=   5.2861E+00   7.0316E-05         1.3395E-10
    CORRELATION COEFFICIENT = .9952
```

STORET: 34354 METHOD: 8080/3540-G ENDOSULFAN SULFATE, UG/KG-DRY QUAD

```
  CALIBRATION CURVE # 1   (NG/ML)
    DETECTION LIMIT=1  DATE: 06/09/94  LARGEST RESP=194788 %RSD=4.6514  RT WINDOW:
   CONC :          0         1         5        10        25        50       100
   RESP :          0      1969      9626     21237     46312     95947    194788
   CONC':       -.226     0.826      4.91      11.1      24.3      50.1     100.0
    R.T.:                27.845    27.847    27.842    27.844    27.847    27.849

    CONC    =  -2.2606E-01+  5.3441E-04*RESP+ -1.0199E-10*RESP**2+           *RESP**3
    95% C.I.=   7.5172E-01   2.7994E-05         1.4219E-10
    CORRELATION COEFFICIENT = .9999
```

STORET: 39481 METHOD: 8080/3540-G METHOXYCHLOR, UG/KG-DRY QUAD

```
  CALIBRATION CURVE # 1   (NG/ML)
    DETECTION LIMIT=1  DATE: 06/09/94  LARGEST RESP=76984 %RSD=10.6968  RT WINDOW:
```

ESE BATCH : G49999

CONC :	0	1	5	10	25	50	100
RESP :	0	686	3861	9460	20650	40673	76984
CONC':	0.035	0.823	4.50	11.1	24.6	50.0	100
R.T.:		30.370	30.369	30.368	30.367	30.372	30.372

CONC = 3.4975E-02+ 1.1481E-03*RESP+ 1.9575E-09*RESP**2+ *RESP**3
95% C.I.= 7.2623E-01 6.5945E-05 8.5340E-10
CORRELATION COEFFICIENT = .9999

STORET: 96343 METHOD: SUR DECACHLOROBIPHENYL, UG/G QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 06/09/94 LARGEST RESP=762165 %RSD=11.5349 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	9538	42171	99137	194040	392113	762165
CONC':	-.002	0.003	0.019	0.048	0.096	0.199	0.400
R.T.:		38.457	38.455	38.455	38.455	38.455	38.461

CONC = -1.9213E-03+ 4.9874E-07*RESP+ 3.7956E-14*RESP**2+ *RESP**3
95% C.I.= 5.2735E-03 4.8477E-08 6.2921E-14
CORRELATION COEFFICIENT = .9997

STORET: 39351 METHOD: 8080/3540-G CHLORDANE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 06/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39403 METHOD: 8080/3540-G TOXAPHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 06/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39514 METHOD: 8080/3540-G PCB-1016, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP=(USER DEFINED) %RSD=6.8928 RT WINDOW:

STORET: 39511 METHOD: 8080/3540-G PCB-1260, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP=(USER DEFINED) %RSD=7.9936 RT WINDOW:

STORET: 39491 METHOD: 8080/3540-G PCB-1221, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39495 METHOD: 8080/3540-G PCB-1232, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39499 METHOD: 8080/3540-G PCB-1242, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39503 METHOD: 8080/3540-G PCB-1248, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

STORET: 39507 METHOD: 8080/3540-G PCB-1254, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

(4)

ESE BATCH : G49999

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/09/94	CCS*IND6*1	39076*8080/3540-G	BHC,A	UG/KG-	451000	460000	102	80-120
06/09/94	CCS*IND6*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	404000	413000	102	80-120
06/09/94	CCS*IND6*1	34262*8080/3540-G	BHC,D	UG/KG-	284000	293000	103	80-120
06/09/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	536000	560000	104	80-120
06/09/94	CCS*IND6*1	34257*8080/3540-G	BHC,B	UG/KG-	244000	249000	102	80-120
06/09/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	509000	535000	105	80-120
06/09/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	422000	449000	106	80-120
06/09/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	335000	363000	108	80-120
06/09/94	CCS*IND6*1	39321*8080/3540-G	DDE,PP'	UG/KG-	320000	349000	109	80-120
06/09/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	341000	374000	110	80-120
06/09/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	94300	105000	111	80-120
06/09/94	CCS*IND6*1	39311*8080/3540-G	DDD,PP'	UG/KG-	166000	179000	108	80-120
06/09/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	212000	230000	108	80-120
06/09/94	CCS*IND6*1	39301*8080/3540-G	DDT,PP'	UG/KG-	153000	174000	114	80-120
06/09/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	198000	219000	111	80-120
06/09/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	195000	213000	109	80-120
06/09/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	77000	85900	112	80-120
06/09/94	CCS*IND6*1	39351*8080/3540-G	CHLORDANE	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39403*8080/3540-G	TOXAPHENE	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39514*8080/3540-G	PCB-1016	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39511*8080/3540-G	PCB-1260	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39491*8080/3540-G	PCB-1221	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39495*8080/3540-G	PCB-1232	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39499*8080/3540-G	PCB-1242	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39503*8080/3540-G	PCB-1248	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39507*8080/3540-G	PCB-1254	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39076*8080/3540-G	BHC,A	UG/KG-	451000	444000	98.4	80-120
06/09/94	CCS*IND6*2	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	404000	390000	96.5	80-120
06/09/94	CCS*IND6*2	34262*8080/3540-G	BHC,D	UG/KG-	284000	262000	92.3	80-120
06/09/94	CCS*IND6*2	39413*8080/3540-G	HEPTACHLOR	UG/KG-	536000	539000	101	80-120
06/09/94	CCS*IND6*2	34257*8080/3540-G	BHC,B	UG/KG-	244000	229000	93.9	80-120
06/09/94	CCS*IND6*2	39333*8080/3540-G	ALDRIN	UG/KG-	509000	500000	98.2	80-120
06/09/94	CCS*IND6*2	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	422000	402000	95.3	80-120
06/09/94	CCS*IND6*2	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	335000	299000	89.3	80-120
06/09/94	CCS*IND6*2	39321*8080/3540-G	DDE,PP'	UG/KG-	320000	280000	87.5	80-120
06/09/94	CCS*IND6*2	39383*8080/3540-G	DIELDRIN	UG/KG-	341000	313000	91.8	80-120
06/09/94	CCS*IND6*2	39393*8080/3540-G	ENDRIN	UG/KG-	94300	87500	92.8	80-120
06/09/94	CCS*IND6*2	39311*8080/3540-G	DDD,PP'	UG/KG-	166000	133000	80.1	80-120
06/09/94	CCS*IND6*2	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	212000	179000	84.4	80-120
06/09/94	CCS*IND6*2	39301*8080/3540-G	DDT,PP'	UG/KG-	153000	136000	88.9	80-120
06/09/94	CCS*IND6*2	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	509000	567000	111	80-120
06/09/94	CCS*IND6*2	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	195000	162000	83.1	80-120
06/09/94	CCS*IND6*2	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	77000	64200	83.4	80-120
06/09/94	CCS*IND6*2	39351*8080/3540-G	CHLORDANE	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39403*8080/3540-G	TOXAPHENE	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39514*8080/3540-G	PCB-1016	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39511*8080/3540-G	PCB-1260	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39491*8080/3540-G	PCB-1221	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39495*8080/3540-G	PCB-1232	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39499*8080/3540-G	PCB-1242	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39503*8080/3540-G	PCB-1248	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39507*8080/3540-G	PCB-1254	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39076*8080/3540-G	BHC,A	UG/KG-	451000	411000	91.1	80-120
06/10/94	CCS*IND6*3	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	404000	386000	95.5	80-120
06/10/94	CCS*IND6*3	34262*8080/3540-G	BHC,D	UG/KG-	284000	275000	96.8	80-120
06/10/94	CCS*IND6*3	39413*8080/3540-G	HEPTACHLOR	UG/KG-	536000	594000	111	80-120
06/10/94	CCS*IND6*3	34257*8080/3540-G	BHC,B	UG/KG-	244000	247000	101	80-120
06/10/94	CCS*IND6*3	39333*8080/3540-G	ALDRIN	UG/KG-	509000	589000	116	80-120
06/10/94	CCS*IND6*3	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	422000	491000	116	80-120
06/10/94	CCS*IND6*3	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	335000	405000	121	80-120
06/10/94	CCS*IND6*3	39321*8080/3540-G	DDE,PP'	UG/KG-	320000	382000	119	80-120
06/10/94	CCS*IND6*3	39383*8080/3540-G	DIELDRIN	UG/KG-	341000	382000	112	80-120
06/10/94	CCS*IND6*3	39393*8080/3540-G	ENDRIN	UG/KG-	94300	100000	106	80-120
06/10/94	CCS*IND6*3	39311*8080/3540-G	DDD,PP'	UG/KG-	166000	193000	116	80-120
06/10/94	CCS*IND6*3	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	212000	251000	118	80-120
06/10/94	CCS*IND6*3	39301*8080/3540-G	DDT,PP'	UG/KG-	153000	180000	118	80-120
06/10/94	CCS*IND6*3	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	509000	469000	92.1	80-120
06/10/94	CCS*IND6*3	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	195000	234000	120	80-120
06/10/94	CCS*IND6*3	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	77000	87300	113	80-120
06/10/94	CCS*IND6*3	39351*8080/3540-G	CHLORDANE	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39403*8080/3540-G	TOXAPHENE	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39514*8080/3540-G	PCB-1016	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39511*8080/3540-G	PCB-1260	UG/KG-		T*1		80-120

ESE BATCH : G49999

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/10/94	CCS*IND6*3	39491*8080/3540-G	PCB-1221	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39495*8080/3540-G	PCB-1232	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39499*8080/3540-G	PCB-1242	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39503*8080/3540-G	PCB-1248	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39507*8080/3540-G	PCB-1254	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39076*8080/3540-G	BHC,A	UG/KG-	451000	439000	97.3	80-120
06/10/94	CCS*IND6*4	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	404000	403000	99.8	80-120
06/10/94	CCS*IND6*4	34262*8080/3540-G	BHC,D	UG/KG-	284000	285000	100	80-120
06/10/94	CCS*IND6*4	39413*8080/3540-G	HEPTACHLOR	UG/KG-	536000	590000	110	80-120
06/10/94	CCS*IND6*4	34257*8080/3540-G	BHC,B	UG/KG-	244000	249000	102	80-120
06/10/94	CCS*IND6*4	39333*8080/3540-G	ALDRIN	UG/KG-	509000	564000	111	80-120
06/10/94	CCS*IND6*4	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	422000	472000	112	80-120
06/10/94	CCS*IND6*4	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	335000	383000	114	80-120
06/10/94	CCS*IND6*4	39321*8080/3540-G	DDE,PP'	UG/KG-	320000	377000	118	80-120
06/10/94	CCS*IND6*4	39383*8080/3540-G	DIELDRIN	UG/KG-	341000	401000	118	80-120
06/10/94	CCS*IND6*4	39393*8080/3540-G	ENDRIN	UG/KG-	94300	113000	120	80-120
06/10/94	CCS*IND6*4	39311*8080/3540-G	DDD,PP'	UG/KG-	166000	188000	113	80-120
06/10/94	CCS*IND6*4	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	212000	238000	112	80-120
06/10/94	CCS*IND6*4	39301*8080/3540-G	DDT,PP'	UG/KG-	153000	179000	117	80-120
06/10/94	CCS*IND6*4	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	509000	533000	105	80-120
06/10/94	CCS*IND6*4	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	195000	233000	119	80-120
06/10/94	CCS*IND6*4	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	77000	91400	119	80-120
06/10/94	CCS*IND6*4	39351*8080/3540-G	CHLORDANE	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39403*8080/3540-G	TOXAPHENE	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39514*8080/3540-G	PCB-1016	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39511*8080/3540-G	PCB-1260	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39491*8080/3540-G	PCB-1221	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39495*8080/3540-G	PCB-1232	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39499*8080/3540-G	PCB-1242	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39503*8080/3540-G	PCB-1248	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39507*8080/3540-G	PCB-1254	UG/KG-		T*1		80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
06/09/94	MB*THAMA*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
06/09/94	MB*THAMA*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
06/09/94	MB*THAMA*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
06/09/94	MB*THAMA*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
06/09/94	MB*THAMA*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
06/09/94	MB*THAMA*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
06/09/94	MB*THAMA*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
06/09/94	MB*THAMA*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
06/09/94	MB*THAMA*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
06/09/94	MB*THAMA*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
06/09/94	MB*THAMA*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
06/09/94	MB*THAMA*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
06/09/94	MB*THAMA*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
06/09/94	MB*THAMA*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
06/09/94	MB*THAMA*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
06/09/94	MB*THAMA*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
06/09/94	MB*THAMA*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
06/09/94	MB*THAMA*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
06/09/94	MB*THAMA*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
06/09/94	MB*THAMA*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
06/09/94	MB*THAMA*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
06/09/94	MB*THAMA*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
06/09/94	MB*THAMA*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
06/09/94	MB*THAMA*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
06/09/94	MB*THAMA*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
06/09/94	MB*THAMA*1	39507*8080/3540-G	PCB-1254	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
06/09/94	SP1*THAMA*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39783*8080/3540-G	BHC,G(LINDANE)	99.4	45-129	UG/KG-	33.3	33.1
06/09/94	SP1*THAMA*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39413*8080/3540-G	HEPTACHLOR	93.4	30-148	UG/KG-	33.3	31.1
06/09/94	SP1*THAMA*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39333*8080/3540-G	ALDRIN	88.6	53-133	UG/KG-	33.3	29.5
06/09/94	SP1*THAMA*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND

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Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
06/09/94	SP1*THAMA*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG		ND
06/09/94	SP1*THAMA*1	39383*8080/3540-G	DIELDRIN	96.9	46-140	UG/KG-	66.7	64.6
06/09/94	SP1*THAMA*1	39393*8080/3540-G	ENDRIN	98.5	52-126	UG/KG-	66.7	65.7
06/09/94	SP1*THAMA*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39301*8080/3540-G	DDT,PP'	98.4	37-155	UG/KG-	66.7	65.6
06/09/94	SP1*THAMA*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39507*8080/3540-G	PCB-1254		80-120	UG/KG-		ND

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
06/09/94	SPM1*CDMHNSS*40	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39783*8080/3540-G	BHC,G(LINDANE)	103.9	45-129	0.133	UG/KG-	35.6	37.0
06/09/94	SPM1*CDMHNSS*40	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39413*8080/3540-G	HEPTACHLOR	96.6	30-148	0.0	UG/KG-	35.6	34.4
06/09/94	SPM1*CDMHNSS*40	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39333*8080/3540-G	ALDRIN	95.8	53-133	0.0	UG/KG-	35.6	34.1
06/09/94	SPM1*CDMHNSS*40	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39383*8080/3540-G	DIELDRIN	90.3	46-140	0.031	UG/KG-	71.2	64.3
06/09/94	SPM1*CDMHNSS*40	39393*8080/3540-G	ENDRIN	95.1	52-126	0.965	UG/KG-	71.2	67.7
06/09/94	SPM1*CDMHNSS*40	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39301*8080/3540-G	DDT,PP'	100.4	37-155	14.9	UG/KG-	71.2	71.5
06/09/94	SPM1*CDMHNSS*40	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39783*8080/3540-G	BHC,G(LINDANE)	106.2	45-129	0.133	UG/KG-	35.6	37.8
06/09/94	SPM2*CDMHNSS*40	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39413*8080/3540-G	HEPTACHLOR	97.8	30-148	0.0	UG/KG-	35.6	34.8
06/09/94	SPM2*CDMHNSS*40	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39333*8080/3540-G	ALDRIN	95.2	53-133	0.0	UG/KG-	35.6	33.9
06/09/94	SPM2*CDMHNSS*40	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39383*8080/3540-G	DIELDRIN	94.8	46-140	0.031	UG/KG-	71.2	67.5
06/09/94	SPM2*CDMHNSS*40	39393*8080/3540-G	ENDRIN	93.3	52-126	0.965	UG/KG-	71.2	66.4
06/09/94	SPM2*CDMHNSS*40	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39301*8080/3540-G	DDT,PP'	108.8	37-155	14.9	UG/KG-	71.2	77.5
06/09/94	SPM2*CDMHNSS*40	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND

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Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
06/09/94	SPM2*CDMHNSS*40	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/09/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1560000	1640000	105	67-119
06/09/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	762000	872000	114	51-169
06/09/94	MB*THAMA*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.060	89.6	67-119
06/09/94	MB*THAMA*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.066	98.5	51-169
06/09/94	SP1*THAMA*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.061	91.0	67-119
06/09/94	SP1*THAMA*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.071	106	51-169
06/09/94	SPM1*CDMHNSS*40	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.065	97.0	67-119
06/09/94	SPM1*CDMHNSS*40	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.075	112	51-169
06/09/94	SPM2*CDMHNSS*40	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.063	94.0	67-119
06/09/94	SPM2*CDMHNSS*40	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.065	97.0	51-169
06/09/94	DA*CDMHNSS*39	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.061	91.0	67-119
06/09/94	DA*CDMHNSS*39	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.054	80.6	51-169
06/09/94	DA*CDMHNSS*40	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.065	97.0	67-119
06/09/94	DA*CDMHNSS*40	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.058	86.6	51-169
06/09/94	DA*CDMHNSS*41	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.069	103	67-119
06/09/94	DA*CDMHNSS*41	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.080	119	51-169
06/09/94	DA*CDMHNSS*42	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.062	92.5	67-119
06/09/94	DA*CDMHNSS*42	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.064	95.5	51-169
06/09/94	CCS*IND6*2	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1560000	1510000	96.8	67-119
06/09/94	CCS*IND6*2	96343*SUR	DECACHLOROBIPHENYL	UG/G	762000	625000	82.0	51-169
06/10/94	CCS*IND6*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1560000	1760000	113	67-119
06/10/94	CCS*IND6*3	96343*SUR	DECACHLOROBIPHENYL	UG/G	762000	1160000	152	51-169
06/10/94	CCS*IND6*4	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1560000	1740000	112	67-119
06/10/94	CCS*IND6*4	96343*SUR	DECACHLOROBIPHENYL	UG/G	762000	876000	115	51-169

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UNITS AND EXAMPLE CALCULATIONS

	UNITS ENTERED
FINAL CONCENTRATION	NG/G
INJECTION VOLUME	NA
SAMPLE VOLUME	G
EXTRACT VOLUME	ML
CURVE CONCENTRATION	NG/ML
SPIKE SOLN CONCENTRATION	NG/ML
SPIKE VOLUME	ML
SPIKE SAMPLE VOLUME	ML
TARGET CONCENTRATION	NG/G
RESPONSE DESCRIPTION	PEAK AREA
CONVERSION FACTOR	NA

$$\text{FINAL CONC} = \frac{\text{CURV CONC} * \text{EXT VOL} * \text{DIL}}{\text{INJ VOL} * \text{SAMP VOL} * ((100 - \%\text{MOISTURE}) / 100)}$$

$$\text{NG/G} = \frac{(\text{NG/ML}) * (\text{ML})}{(\text{NA}) * (\text{G})}$$

$$(\quad) = \frac{(\quad) * (\quad) * (\quad)}{(\quad) * (\quad) * ((100 - (\quad)) / 100)}$$

$$\text{TARGET CONC} = \frac{\text{SPIKE SOLN CONC} * \text{SPIKE VOL}}{\text{SPIKE SAMP VOL} * ((100 - \%\text{MOISTURE}) / 100)}$$

$$\text{NG/G} = \frac{(\text{NG/ML}) * (\text{ML})}{(\text{ML})}$$

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Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G49999 Analysis Date: 06/08/94 Analyst: GREG AYOUB

	Yes	"Exceptions" No	Comment / Corrective Action
Are ALL units documented in batch?	X		
Analysis holding time within criteria?	X		
Extract holding time within criteria?	X		
No. of calibration standards present acceptable?	X		
Curve correlation coefficient >= 0.995?	X		
Calibration curve y-intercept < curve detection limit?	X		
Sample responses within highest standard response?	X		
Sample retention times within retention time window?	X		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?	X		
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?	X		
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?	X		
Surrogate present?	X		
Surrogate within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

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OVERRIDE COMMENTS

BATCH OVERRIDE BY:

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TABLE OF ABBREVIATIONS

%RECV : % Recovery for spiked sample. (FOUND/TARGET * 100)
ANLY DATE : Analysis Date
ANLY TIME : Analysis Time
CURVE : Curve Regression Number
DILUTION : Sample Dilution Factor
EXT DATE : Extract Date
EXT VOL : Extract Volume
FOUND : Spiked Sample Conc. - Unspiked Sample Conc.
INJ VOL : Injection Volume
REL%DIFF : % Difference between current and previous spike.
RESPONSE : Sample Response
R.T. : Retention Time
SAMPLE CODE: Sample Type * Sample ID
SAMPLE ID : Field Group * Sequence Number
SAMPLE TYPE: The kind of sample analyzed. (listed below)
DA -- Data Sample
MB -- Method Blank
RF -- Reference (from commercially known standard)
RP -- Replicate Sample
SP -- Standard Matrix Spike
SPM -- Sample Matrix Spike
STD -- Internal Standard
SUR -- Surrogate Sample
UN -- Unspiked Sample
SAMP VOL : Sample Volume
SPK CONC : Spike Concentration
ST : Sample response explanation or validity. (listed below)
BK -- No sample response.
NA -- Sample not analyzed.
NR -- Not reserved for this batch. Batch containing the response for this sample is listed in the target field.
OK -- Sample response shown is correct.
! -- Sample response shown is invalid.
< -- Sample response < detection limit. Detection limit is shown in the response field.
STORET*MTHD: Storet ID * Method Code
TARGET : Spike Target (SAMPLE LISTING SECTION)
TARGET : Spike Target Concentration (SPIKED SAMPLE SECTION)
TYPE : Response Type ("FINAL" or empty.)
UNSP CONC : Unspiked Sample Concentration

95133356.0491

Radiation Screening

ESE BATCH : G50075
CLASSIFICATION : SCREEN, ALPHA

QC TYPE : FDER/SW
ANALYST : SANDRA MIHOCIK
EXTRACTOR :
DATA ENTRY : SANDRA MIHOCIK

REPORT DATE/TIME : 06/27/94 08:27:44
ANALYSIS DATE : 06/08/94
EXTRACT DATE :

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

FIELD GRP	QC TYPE	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
CDMHNSS		1944022G 0201	CDM - HANFORD N. SLOPE	EDWARD MANSFIELD

SAMPLE CODE	CLIENT ID	DATE ANALYZED	TIME ANALYZED
CDMHNSS*39	EA01-7-08		
CDMHNSS*40	EA01-8-11		
CDMHNSS*41	EA01-9-11		
CDMHNSS*42	EA01-10-11		
CDMHNSS*43	A0111012		
CDMHNSS*44	A0112012		

ESE BATCH : G50075

HOLDING TIMES CHECK

SAMPLE	ANALYTE	ANL DATE	EXT DATE	SMP DATE	H.T.	OVER

ALL HOLDING TIMES MET

STORET: 96636 METHOD: R SCREEN,GR. ALPHA, (ESTIMATE), NCI/KG-WET FINAL

STORET: 96637 METHOD: R SCREEN,GR. BETA, (ESTIMATE), NCI/KG-WET FINAL

ESE BATCH : G50075

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER			UNITS	FOUND
06/08/94	MB*QC*1	96636*R	SCREEN,GR.	ALPHA,	(ESTIMATE)	NCI/KG	3.4
06/08/94	MB*QC*1	96637*R	SCREEN,GR.	BETA,	(ESTIMATE)	NCI/KG	5.7
06/08/94	MB*QC*2	96636*R	SCREEN,GR.	ALPHA,	(ESTIMATE)	NCI/KG	11.1
06/08/94	MB*QC*2	96637*R	SCREEN,GR.	BETA,	(ESTIMATE)	NCI/KG	ND

ESE BATCH : G50075

UNITS AND EXAMPLE CALCULATIONS

	UNITS ENTERED
FINAL CONCENTRATION	NCI/KG-WET
INJECTION VOLUME	NA
SAMPLE VOLUME	NA
EXTRACT VOLUME	NA
CURVE CONCENTRATION	NA
SPIKE SOLN CONCENTRATION	NA
SPIKE VOLUME	NA
SPIKE SAMPLE VOLUME	NA
TARGET CONCENTRATION	NCI/KG-WET
RESPONSE DESCRIPTION	NCI/KG-WET
CONVERSION FACTOR	NA

$$\text{FINAL CONC} = \frac{\text{CURV CONC} * \text{EXT VOL} * \text{DIL}}{\text{INJ VOL} * \text{SAMP VOL} * ((100 - \%\text{MOISTURE}) / 100)}$$

$$\text{NCI/KG-WET} = \frac{(\text{NA}) * (\text{NA})}{(\text{NA}) * (\text{NA})}$$

$$(\quad) = \frac{(\quad) * (\quad) * (\quad)}{(\quad) * (\quad) * ((100 - (\quad)) / 100)}$$

$$\text{TARGET CONC} = \frac{\text{SPIKE SOLN CONC} * \text{SPIKE VOL}}{\text{SPIKE SAMP VOL} * ((100 - \%\text{MOISTURE}) / 100)}$$

$$\text{NCI/KG-WET} = \frac{(\text{NA}) * (\text{NA})}{(\text{NA})}$$

ESE BATCH : G50075

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G50075 Analysis Date: 06/08/94 Analyst: SANDRA MIHOCIK

	Yes	"Exceptions" No	Comment / Corrective Action
Are ALL units documented in batch?	X		
Analysis holding time within criteria?	X		
Method blank present?	X		
Method blank within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G50075

TABLE OF ABBREVIATIONS

%RECV : % Recovery for spiked sample. (FOUND/TARGET * 100)
ANLY DATE : Analysis Date
ANLY TIME : Analysis Time
CURVE : Curve Regression Number
DILUTION : Sample Dilution Factor
EXT DATE : Extract Date
EXT VOL : Extract Volume
FOUND : Spiked Sample Conc. - Unspiked Sample Conc.
INJ VOL : Injection Volume
REL%DIFF : % Difference between current and previous spike.
RESPONSE : Sample Response
R.T. : Retention Time
SAMPLE CODE: Sample Type * Sample ID
SAMPLE ID : Field Group * Sequence Number
SAMPLE TYPE: The kind of sample analyzed. (listed below)
DA -- Data Sample
MB -- Method Blank
RF -- Reference (from commercially known standard)
RP -- Replicate Sample
SP -- Standard Matrix Spike
SPM -- Sample Matrix Spike
STD -- Internal Standard
SUR -- Surrogate Sample
UN -- Unspiked Sample
SAMP VOL : Sample Volume
SPK CONC : Spike Concentration
ST : Sample response explanation or validity. (listed below)
BK -- No sample response.
NA -- Sample not analyzed.
NR -- Not reserved for this batch. Batch containing the response for this sample is listed in the target field.
OK -- Sample response shown is correct.
! -- Sample response shown is invalid.
< -- Sample response < detection limit. Detection limit is shown in the response field.
STORET*MTHD: Storet ID * Method Code
TARGET : Spike Target (SAMPLE LISTING SECTION)
TARGET : Spike Target Concentration (SPIKED SAMPLE SECTION)
TYPE : Response Type ("FINAL" or empty.)
UNSP CONC : Unspiked Sample Concentration

95133S6.0498

% Moisture

ESE BATCH : G49949
CLASSIFICATION : PERCENT MOISTURE - ASTM D2216

QC TYPE : FDER/SW
ANALYST : JULIE HALL
EXTRACTOR : JULIE HALL
DATA ENTRY : BALANCE UPLOAD

REPORT DATE/TIME : 06/27/94 08:27:52
ANALYSIS DATE : 06/09/94
EXTRACT DATE : 06/08/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

BATCH NOTES
94-2 PG.88 BALANCE #24, RUN #52

FIELD GRP	QC TYPE	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
CDMHNSS		1944022G 0201	CDM - HANFORD N. SLOPE	EDWARD MANSFIELD

SAMPLE CODE	CLIENT ID	DATE ANALYZED	TIME ANALYZED
CDMHNSS*39	EA01-7-08	06/08/94	03:04PM
CDMHNSS*40	EA01-8-11	06/08/94	03:04PM
CDMHNSS*41	EA01-9-11	06/08/94	03:06PM
CDMHNSS*42	EA01-10-11	06/08/94	03:06PM

ESE BATCH : G49949

HOLDING TIMES CHECK

SAMPLE	ANALYTE	ANL DATE	EXT DATE	SMP DATE	H.T.	OVER

ALL HOLDING TIMES MET

STORET: 96041 METHOD: 0 PAN, GM %M

STORET: 96042 METHOD: 0 PAN+SAMPLE (WET), GM %M

STORET: 96043 METHOD: 0 PAN+SAMPLE (DRY), GM %M

STORET: 70320 METHOD: I MOISTURE, %WET WT %M

CALIBRATION CURVE # 1
DETECTION LIMIT=0.50 DATE: 06/08/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49949

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
06/08/94	MB*QC*1	96041*0	PAN	GM	1.59680
06/08/94	MB*QC*1	96042*0	PAN+SAMPLE (WET)	GM	1.59720
06/08/94	MB*QC*1	96043*0	PAN+SAMPLE (DRY)	GM	1.59640
06/08/94	MB*QC*1	70320*I	MOISTURE	%WET W	100.0

Replicate Analysis Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	REP #1	REP #2	RPD	RPD CRIT
06/08/94	RP*CDMHNSS*40	96041*0	PAN	GM	1.58300	1.57890	0.30000	N/A
06/08/94	RP*CDMHNSS*40	96042*0	PAN+SAMPLE (WET)	GM	13.56500	13.99610	3.10000	N/A
06/08/94	RP*CDMHNSS*40	96043*0	PAN+SAMPLE (DRY)	GM	12.79300	13.23280	3.40000	N/A
06/08/94	RP*CDMHNSS*40	70320*I	MOISTURE	%WET W	6.4	6.1	4.8	23

ESE BATCH : G49949

UNITS AND EXAMPLE CALCULATIONS

	UNITS ENTERED
FINAL CONCENTRATION	%
INJECTION VOLUME	NA
SAMPLE VOLUME	NA
EXTRACT VOLUME	NA
CURVE CONCENTRATION	NA
SPIKE SOLN CONCENTRATION	NA
SPIKE VOLUME	NA
SPIKE SAMPLE VOLUME	NA
TARGET CONCENTRATION	NA
RESPONSE DESCRIPTION	GM
CONVERSION FACTOR	NA

FINAL CONC = CURV CONC * EXT VOL * DIL
INJ VOL * SAMP VOL * ((100 - %MOISTURE) / 100)

% = (NA) * (NA)
(NA) * (NA)

( ) = ( ) * ( ) * ( )
( ) * ( ) * ((100 - ( )) / 100)

TARGET CONC = SPIKE SOLN CONC * SPIKE VOL
SPIKE SAMP VOL * ((100 - %MOISTURE) / 100)

NA = (NA) * (NA)
(NA)

ESE BATCH : G49949

Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G49949 Analysis Date: 06/09/94 Analyst: JULIE HALL

	"Exceptions"		
	Yes	No	Comment / Corrective Action
Are ALL units documented in batch?	X		
Analysis holding time within criteria?	X		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Sample replicate present?	X		
Sample replicate within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49949

TABLE OF ABBREVIATIONS

%RECV : % Recovery for spiked sample. (FOUND/TARGET * 100)
ANLY DATE : Analysis Date
ANLY TIME : Analysis Time
CURVE : Curve Regression Number
DILUTION : Sample Dilution Factor
EXT DATE : Extract Date
EXT VOL : Extract Volume
FOUND : Spiked Sample Conc. - Unspiked Sample Conc.
INJ VOL : Injection Volume
REL%DIFF : % Difference between current and previous spike.
RESPONSE : Sample Response
R.T. : Retention Time
SAMPLE CODE: Sample Type * Sample ID
SAMPLE ID : Field Group * Sequence Number
SAMPLE TYPE: The kind of sample analyzed. (listed below)
DA -- Data Sample
MB -- Method Blank
RF -- Reference (from commercially known standard)
RP -- Replicate Sample
SP -- Standard Matrix Spike
SPM -- Sample Matrix Spike
STD -- Internal Standard
SUR -- Surrogate Sample
UN -- Unspiked Sample
SAMP VOL : Sample Volume
SPK CONC : Spike Concentration
ST : Sample response explanation or validity. (listed below)
BK -- No sample response.
NA -- Sample not analyzed.
NR -- Not reserved for this batch. Batch containing the response for this sample is listed in the target field.
OK -- Sample response shown is correct.
! -- Sample response shown is invalid.
< -- Sample response < detection limit. Detection limit is shown in the response field.
STORET*MTHD: Storet ID * Method Code
TARGET : Spike Target (SAMPLE LISTING SECTION)
TARGET : Spike Target Concentration (SPIKED SAMPLE SECTION)
TYPE : Response Type ("FINAL" or empty.)
UNSP CONC : Unspiked Sample Concentration

ESE BATCH : G49987
CLASSIFICATION : PERCENT MOISTURE - ASTM D2216

QC TYPE : FDER/SW
ANALYST : JULIE HALL
EXTRACTOR : JULIE HALL
DATA ENTRY : BALANCE UPLOAD

REPORT DATE/TIME : 06/27/94 08:32:18
ANALYSIS DATE : 06/10/94
EXTRACT DATE : 06/09/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

BATCH NOTES
94-2 PG.90 BALANCE #24, RUN #54

FIELD GRP QC TYPE	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
CDMHNSS	1944022G 0201	CDM - HANFORD N. SLOPE	EDWARD MANSFIELD

SAMPLE CODE	CLIENT ID	DATE ANALYZED	TIME ANALYZED
CDMHNSS*43	A0111012	06/09/94	02:28PM
CDMHNSS*44	A0112012	06/09/94	02:29PM

ESE BATCH : G49987

HOLDING TIMES CHECK

SAMPLE	ANALYTE	ANL DATE	EXT DATE	SMP DATE	H.T.	OVER

ALL HOLDING TIMES MET

STORET: 96041 METHOD: 0 PAN, GM %M

STORET: 96042 METHOD: 0 PAN+SAMPLE (WET), GM %M

STORET: 96043 METHOD: 0 PAN+SAMPLE (DRY), GM %M

STORET: 70320 METHOD: I MOISTURE, %WET WT %M

CALIBRATION CURVE # 1
DETECTION LIMIT=0.50 DATE: 06/09/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49987

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
06/09/94	MB*QC*1	96041*0	PAN	GM	1.57710
06/09/94	MB*QC*1	96042*0	PAN+SAMPLE (WET)	GM	1.57730
06/09/94	MB*QC*1	96043*0	PAN+SAMPLE (DRY)	GM	1.57700
06/09/94	MB*QC*1	70320*I	MOISTURE	%WET W	100.0

Replicate Analysis Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	REP #1	REP #2	RPD	RPD CRIT
06/09/94	RP*CDMHNSS*43	96041*0	PAN	GM	1.55400	1.56740	0.90000	N/A
06/09/94	RP*CDMHNSS*43	96042*0	PAN+SAMPLE (WET)	GM	17.01600	17.62850	3.50000	N/A
06/09/94	RP*CDMHNSS*43	96043*0	PAN+SAMPLE (DRY)	GM	16.41500	17.04360	3.80000	N/A
06/09/94	RP*CDMHNSS*43	70320*I	MOISTURE	%WET W	3.9	3.6	8.0	23

ESE BATCH : G49987

UNITS AND EXAMPLE CALCULATIONS

	UNITS ENTERED
FINAL CONCENTRATION	%
INJECTION VOLUME	NA
SAMPLE VOLUME	NA
EXTRACT VOLUME	NA
CURVE CONCENTRATION	NA
SPIKE SOLN CONCENTRATION	NA
SPIKE VOLUME	NA
SPIKE SAMPLE VOLUME	NA
TARGET CONCENTRATION	NA
RESPONSE DESCRIPTION	GM
CONVERSION FACTOR	NA

FINAL CONC = CURV CONC * EXT VOL * DIL
INJ VOL * SAMP VOL * ((100 - %MOISTURE) / 100)

% = (NA) * (NA)
(NA) * (NA)

( ) = ( ) * ( ) * ( )
( ) * ( ) * ((100 - ( )) / 100)

TARGET CONC = SPIKE SOLN CONC * SPIKE VOL
SPIKE SAMP VOL * ((100 - %MOISTURE) / 100)

NA = (NA) * (NA)
(NA)

ESE BATCH : G49987

Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G49987 Analysis Date: 06/10/94 Analyst: JULIE HALL

	"Exceptions"		
	Yes	No	Comment / Corrective Action
Are ALL units documented in batch?	X		
Analysis holding time within criteria?	X		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Sample replicate present?	X		
Sample replicate within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49987

TABLE OF ABBREVIATIONS

%RECV : % Recovery for spiked sample. (FOUND/TARGET * 100)
ANLY DATE : Analysis Date
ANLY TIME : Analysis Time
CURVE : Curve Regression Number
DILUTION : Sample Dilution Factor
EXT DATE : Extract Date
EXT VOL : Extract Volume
FOUND : Spiked Sample Conc. - Unspiked Sample Conc.
INJ VOL : Injection Volume
REL%DIFF : % Difference between current and previous spike.
RESPONSE : Sample Response
R.T. : Retention Time
SAMPLE CODE: Sample Type * Sample ID
SAMPLE ID : Field Group * Sequence Number
SAMPLE TYPE: The kind of sample analyzed. (listed below)
DA -- Data Sample
MB -- Method Blank
RF -- Reference (from commercially known standard)
RP -- Replicate Sample
SP -- Standard Matrix Spike
SPM -- Sample Matrix Spike
STD -- Internal Standard
SUR -- Surrogate Sample
UN -- Unspiked Sample
SAMP VOL : Sample Volume
SPK CONC : Spike Concentration
ST : Sample response explanation or validity. (listed below)
BK -- No sample response.
NA -- Sample not analyzed.
NR -- Not reserved for this batch. Batch containing the response for this sample is listed in the target field.
OK -- Sample response shown is correct.
! -- Sample response shown is invalid.
< -- Sample response < detection limit. Detection limit is shown in the response field.
STORET*MTHD: Storet ID * Method Code
TARGET : Spike Target (SAMPLE LISTING SECTION)
TARGET : Spike Target Concentration (SPIKED SAMPLE SECTION)
TYPE : Response Type ("FINAL" or empty.)
UNSP CONC : Unspiked Sample Concentration

9513356.0511

Organochlorine Pesticides

& PCBs

9513356.0512

Soils

ESE BATCH : G49999
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOX)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : CURTIS GUINYARD
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 06/27/94 08:28:03
ANALYSIS DATE : 06/08/94
EXTRACT DATE : 06/08/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

FIELD GRP	QC TYPE	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
CDMHNSS		1944022G 0201	CDM - HANFORD N. SLOPE	EDWARD MANSFIELD

SAMPLE CODE	CLIENT ID	DATE ANALYZED	TIME ANALYZED
CDMHNSS*39	EA01-7-08	06/09/94	07:23PM
CDMHNSS*40	EA01-8-11	06/09/94	08:16PM
CDMHNSS*41	EA01-9-11	06/09/94	09:08PM
CDMHNSS*42	EA01-10-11	06/09/94	10:00PM

ESE BATCH : G49999

HOLDING TIMES CHECK

SAMPLE	ANALYTE	ANL DATE	EXT DATE	SMP DATE	H.T. OVER

ALL HOLDING TIMES MET

STORET: 96471 METHOD: SUR TETRACHLORO-M-XYLENE, UG/G QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 06/09/94 LARGEST RESP=1558786 %RSD=3.6049 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	14954	74223	157538	397233	814963	1558786
CONC':	0.001	0.005	0.019	0.039	0.097	0.202	0.400
R.T.:		12.505	12.505	12.504	12.503	12.503	12.502

CONC = 1.4521E-03+ 2.3696E-07*RESP+ 1.1813E-14*RESP**2+ *RESP**3
95% C.I.= 2.3423E-03 1.0812E-08 6.9242E-15
CORRELATION COEFFICIENT = .9999

STORET: 39076 METHOD: 8080/3540-G BHC,A, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=450759 %RSD=13.1083 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3746	16667	32758	81761	189032	450759
CONC':	0.214	1.34	5.19	9.89	23.7	50.8	99.9
R.T.:		15.437	15.436	15.436	15.436	15.436	15.437

CONC = 2.1390E-01+ 3.0125E-04*RESP+ -1.7769E-10*RESP**2+ *RESP**3
95% C.I.= 8.9361E-01 1.6048E-05 3.5002E-11
CORRELATION COEFFICIENT = .9998

STORET: 39783 METHOD: 8080/3540-G BHC,G(LINDANE), UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=403690 %RSD=11.3307 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3228	15490	30826	76851	174026	403690
CONC':	0.187	1.23	5.14	9.96	23.9	50.7	99.9
R.T.:		17.117	17.116	17.117	17.116	17.117	17.116

CONC = 1.8703E-01+ 3.2283E-04*RESP+ -1.8774E-10*RESP**2+ *RESP**3
95% C.I.= 7.3892E-01 1.4547E-05 3.5478E-11
CORRELATION COEFFICIENT = .9999

STORET: 34262 METHOD: 8080/3540-G BHC,D, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=283924 %RSD=8.2026 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2748	12494	24389	57023	123092	283924
CONC':	-.319	0.926	5.29	10.5	24.4	50.2	100.0
R.T.:		18.969	18.967	18.967	18.967	18.968	18.968

CONC = -3.1863E-01+ 4.5372E-04*RESP+ -3.5373E-10*RESP**2+ *RESP**3
95% C.I.= 5.2021E-01 1.4246E-05 4.9245E-11
CORRELATION COEFFICIENT = .9999

STORET: 39413 METHOD: 8080/3540-G HEPTACHLOR, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=536216 %RSD=4.1545 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5409	25464	50452	120820	255505	536216
CONC':	-.092	1.03	5.16	10.3	24.4	50.3	100.0
R.T.:		18.507	18.505	18.506	18.505	18.506	18.505

CONC = -9.1672E-02+ 2.0708E-04*RESP+ -3.8234E-11*RESP**2+ *RESP**3
95% C.I.= 4.3689E-01 6.0637E-06 1.1179E-11
CORRELATION COEFFICIENT = 1.0000

STORET: 34257 METHOD: 8080/3540-G BHC,B, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=243654 %RSD=2.2917 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2417	11754	23860	57078	118222	243654

ESE BATCH : G49999

CONC':	-.086	0.974	5.06	10.3	24.6	50.2	100.0
R.T.:		17.400	17.399	17.400	17.399	17.400	17.399

CONC = -8.6261E-02+ 4.3881E-04*RESP+ -1.1544E-10*RESP**2+ *RESP**3
95% C.I.= 3.1764E-01 9.5779E-06 3.8911E-11
CORRELATION COEFFICIENT = 1.0000

STORET: 39333 METHOD: 8080/3540-G ALDRIN, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=508911 %RSD=22.1330 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6327	20013	38128	92789	215402	508911
CONC':	-.033	1.64	5.23	9.91	23.5	50.9	99.9
R.T.:		19.913	19.914	19.913	19.913	19.915	19.916

CONC = -3.2753E-02+ 2.6587E-04*RESP+ -1.3662E-10*RESP**2+ *RESP**3
95% C.I.= 1.0566E+00 1.6707E-05 3.2230E-11
CORRELATION COEFFICIENT = .9998

STORET: 39423 METHOD: 8080/3540-G HEPTACHLOR EPOXIDE, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=422252 %RSD=7.2910 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3791	17760	35971	86479	187923	422252
CONC':	-.066	1.04	5.10	10.3	24.3	50.3	100.0
R.T.:		22.265	22.265	22.264	22.265	22.266	22.266

CONC = -6.5731E-02+ 2.9337E-04*RESP+ -1.3378E-10*RESP**2+ *RESP**3
95% C.I.= 4.7045E-01 8.6040E-06 2.0066E-11
CORRELATION COEFFICIENT = 1.0000

STORET: 34364 METHOD: 8080/3540-G ENDOSULFAN,A, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=335002 %RSD=7.4876 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3031	13806	28832	68963	151228	335002
CONC':	0.025	1.12	5.00	10.3	24.1	50.5	99.9
R.T.:		23.611	23.611	23.610	23.611	23.613	23.613

CONC = 2.5372E-02+ 3.6268E-04*RESP+ -1.9233E-10*RESP**2+ *RESP**3
95% C.I.= 5.8670E-01 1.3481E-05 3.9684E-11
CORRELATION COEFFICIENT = .9999

STORET: 39321 METHOD: 8080/3540-G DDE,PP', UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=319757 %RSD=6.2994 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2847	14017	28776	66223	147326	319757
CONC':	-.003	1.05	5.15	10.5	23.7	50.6	99.9
R.T.:		24.218	24.219	24.219	24.218	24.220	24.221

CONC = -2.6971E-03+ 3.7047E-04*RESP+ -1.8136E-10*RESP**2+ *RESP**3
95% C.I.= 8.4528E-01 2.0195E-05 6.2331E-11
CORRELATION COEFFICIENT = .9999

STORET: 39383 METHOD: 8080/3540-G DIELDRIN, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=341458 %RSD=10.0613 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2799	13230	27551	66406	147445	341458
CONC':	0.043	1.10	5.02	10.3	24.1	50.5	99.9
R.T.:		24.536	24.538	24.537	24.536	24.538	24.540

CONC = 4.3371E-02+ 3.7948E-04*RESP+ -2.5452E-10*RESP**2+ *RESP**3
95% C.I.= 5.7684E-01 1.3317E-05 3.8367E-11
CORRELATION COEFFICIENT = .9999

STORET: 39393 METHOD: 8080/3540-G ENDRIN, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.4 DATE: 06/09/94 LARGEST RESP=94258 %RSD=10.7479 RT WINDOW:

CONC :	0	1	5	10	25	50	100

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RESP :	0	799	4252	8936	20872	53342	94258
CONC':	1.36	2.07	5.16	9.42	20.6	53.2	99.2
R.T.:		25.714	25.713	25.712	25.712	25.715	25.716

CONC = 1.3552E+00+ 8.8780E-04*RESP+ 1.5922E-09*RESP**2+ *RESP**3
95% C.I.= 3.2345E+00 2.5936E-04 2.7717E-09
CORRELATION COEFFICIENT = .9979

STORET: 39311 METHOD: 8080/3540-G DDD,PP', UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=166010 %RSD=4.7143 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1522	7687	16695	37434	77096	166010
CONC':	-.327	0.721	4.94	11.0	24.8	49.8	100
R.T.:		25.940	25.942	25.940	25.940	25.943	25.944

CONC = -3.2717E-01+ 6.8970E-04*RESP+ -5.1258E-10*RESP**2+ *RESP**3
95% C.I.= 6.6144E-01 2.9578E-05 1.7558E-10
CORRELATION COEFFICIENT = .9999

STORET: 34359 METHOD: 8080/3540-G ENDOSULFAN,B, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=212301 %RSD=6.0587 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2386	10754	22749	50665	104553	212301
CONC':	-.270	0.902	5.00	10.9	24.4	50.1	100.0
R.T.:		26.284	26.284	26.283	26.283	26.286	26.286

CONC = -2.6981E-01+ 4.9128E-04*RESP+ -8.9495E-11*RESP**2+ *RESP**3
95% C.I.= 6.2612E-01 2.1392E-05 9.9655E-11
CORRELATION COEFFICIENT = .9999

STORET: 39301 METHOD: 8080/3540-G DDT,PP', UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=153046 %RSD=8.0922 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1807	7597	17406	37966	76643	153046
CONC':	-.270	0.913	4.70	11.1	24.6	49.9	100
R.T.:		26.950	26.954	26.951	26.952	26.954	26.955

CONC = -2.6981E-01+ 6.5433E-04*RESP+ 6.8033E-12*RESP**2+ *RESP**3
95% C.I.= 7.2578E-01 3.3929E-05 2.1952E-10
CORRELATION COEFFICIENT = .9999

STORET: 34369 METHOD: 8080/3540-G ENDRIN ALDEHYDE, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=509147 %RSD=19.8114 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6840	38414	66314	151698	218621	509147
CONC':	-2.04	-.549	6.30	12.3	30.3	44.1	101
R.T.:		23.812	23.809	23.812	23.807	23.808	23.812

CONC = -2.0407E+00+ 2.1833E-04*RESP+ -3.2989E-11*RESP**2+ *RESP**3
95% C.I.= 5.2861E+00 7.0316E-05 1.3395E-10
CORRELATION COEFFICIENT = .9952

STORET: 34354 METHOD: 8080/3540-G ENDOSULFAN SULFATE, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=194788 %RSD=4.6514 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1969	9626	21237	46312	95947	194788
CONC':	-.226	0.826	4.91	11.1	24.3	50.1	100.0
R.T.:		27.845	27.847	27.842	27.844	27.847	27.849

CONC = -2.2606E-01+ 5.3441E-04*RESP+ -1.0199E-10*RESP**2+ *RESP**3
95% C.I.= 7.5172E-01 2.7994E-05 1.4219E-10
CORRELATION COEFFICIENT = .9999

STORET: 39481 METHOD: 8080/3540-G METHOXYCHLOR, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/09/94 LARGEST RESP=76984 %RSD=10.6968 RT WINDOW:

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CONC :	0	1	5	10	25	50	100
RESP :	0	686	3861	9460	20650	40673	76984
CONC':	0.035	0.823	4.50	11.1	24.6	50.0	100
R.T.:		30.370	30.369	30.368	30.367	30.372	30.372

CONC = 3.4975E-02+ 1.1481E-03*RESP+ 1.9575E-09*RESP**2+ *RESP**3
95% C.I.= 7.2623E-01 6.5945E-05 8.5340E-10
CORRELATION COEFFICIENT = .9999

STORET: 96343 METHOD: SUR DECACHLOROBIPHENYL, UG/G QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 06/09/94 LARGEST RESP=762165 %RSD=11.5349 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	9538	42171	99137	194040	392113	762165
CONC':	-.002	0.003	0.019	0.048	0.096	0.199	0.400
R.T.:		38.457	38.455	38.455	38.455	38.455	38.461

CONC = -1.9213E-03+ 4.9874E-07*RESP+ 3.7956E-14*RESP**2+ *RESP**3
95% C.I.= 5.2735E-03 4.8477E-08 6.2921E-14
CORRELATION COEFFICIENT = .9997

STORET: 39351 METHOD: 8080/3540-G CHLORDANE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 06/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39403 METHOD: 8080/3540-G TOXAPHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 06/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39514 METHOD: 8080/3540-G PCB-1016, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP=(USER DEFINED) %RSD=6.8928 RT WINDOW:

STORET: 39511 METHOD: 8080/3540-G PCB-1260, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP=(USER DEFINED) %RSD=7.9936 RT WINDOW:

STORET: 39491 METHOD: 8080/3540-G PCB-1221, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39495 METHOD: 8080/3540-G PCB-1232, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39499 METHOD: 8080/3540-G PCB-1242, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39503 METHOD: 8080/3540-G PCB-1248, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

STORET: 39507 METHOD: 8080/3540-G PCB-1254, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/08/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

ESE BATCH : G49999

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/09/94	CCS*IND6*1	39076*8080/3540-G	BHC,A	UG/KG-	451000	460000	102	80-120
06/09/94	CCS*IND6*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	404000	413000	102	80-120
06/09/94	CCS*IND6*1	34262*8080/3540-G	BHC,D	UG/KG-	284000	293000	103	80-120
06/09/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	536000	560000	104	80-120
06/09/94	CCS*IND6*1	34257*8080/3540-G	BHC,B	UG/KG-	244000	249000	102	80-120
06/09/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	509000	535000	105	80-120
06/09/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	422000	449000	106	80-120
06/09/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	335000	363000	108	80-120
06/09/94	CCS*IND6*1	39321*8080/3540-G	DDE,PP'	UG/KG-	320000	349000	109	80-120
06/09/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	341000	374000	110	80-120
06/09/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	94300	105000	111	80-120
06/09/94	CCS*IND6*1	39311*8080/3540-G	DDD,PP'	UG/KG-	166000	179000	108	80-120
06/09/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	212000	230000	108	80-120
06/09/94	CCS*IND6*1	39301*8080/3540-G	DDT,PP'	UG/KG-	153000	174000	114	80-120
06/09/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	198000	219000	111	80-120
06/09/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	195000	213000	109	80-120
06/09/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	77000	85900	112	80-120
06/09/94	CCS*IND6*1	39351*8080/3540-G	CHLORDANE	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39403*8080/3540-G	TOXAPHENE	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39514*8080/3540-G	PCB-1016	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39511*8080/3540-G	PCB-1260	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39491*8080/3540-G	PCB-1221	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39495*8080/3540-G	PCB-1232	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39499*8080/3540-G	PCB-1242	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39503*8080/3540-G	PCB-1248	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*1	39507*8080/3540-G	PCB-1254	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39076*8080/3540-G	BHC,A	UG/KG-	451000	444000	98.4	80-120
06/09/94	CCS*IND6*2	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	404000	390000	96.5	80-120
06/09/94	CCS*IND6*2	34262*8080/3540-G	BHC,D	UG/KG-	284000	262000	92.3	80-120
06/09/94	CCS*IND6*2	39413*8080/3540-G	HEPTACHLOR	UG/KG-	536000	539000	101	80-120
06/09/94	CCS*IND6*2	34257*8080/3540-G	BHC,B	UG/KG-	244000	229000	93.9	80-120
06/09/94	CCS*IND6*2	39333*8080/3540-G	ALDRIN	UG/KG-	509000	500000	98.2	80-120
06/09/94	CCS*IND6*2	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	422000	402000	95.3	80-120
06/09/94	CCS*IND6*2	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	335000	299000	89.3	80-120
06/09/94	CCS*IND6*2	39321*8080/3540-G	DDE,PP'	UG/KG-	320000	280000	87.5	80-120
06/09/94	CCS*IND6*2	39383*8080/3540-G	DIELDRIN	UG/KG-	341000	313000	91.8	80-120
06/09/94	CCS*IND6*2	39393*8080/3540-G	ENDRIN	UG/KG-	94300	87500	92.8	80-120
06/09/94	CCS*IND6*2	39311*8080/3540-G	DDD,PP'	UG/KG-	166000	133000	80.1	80-120
06/09/94	CCS*IND6*2	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	212000	179000	84.4	80-120
06/09/94	CCS*IND6*2	39301*8080/3540-G	DDT,PP'	UG/KG-	153000	136000	88.9	80-120
06/09/94	CCS*IND6*2	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	509000	567000	111	80-120
06/09/94	CCS*IND6*2	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	195000	162000	83.1	80-120
06/09/94	CCS*IND6*2	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	77000	64200	83.4	80-120
06/09/94	CCS*IND6*2	39351*8080/3540-G	CHLORDANE	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39403*8080/3540-G	TOXAPHENE	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39514*8080/3540-G	PCB-1016	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39511*8080/3540-G	PCB-1260	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39491*8080/3540-G	PCB-1221	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39495*8080/3540-G	PCB-1232	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39499*8080/3540-G	PCB-1242	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39503*8080/3540-G	PCB-1248	UG/KG-		T*1		80-120
06/09/94	CCS*IND6*2	39507*8080/3540-G	PCB-1254	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39076*8080/3540-G	BHC,A	UG/KG-	451000	411000	91.1	80-120
06/10/94	CCS*IND6*3	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	404000	386000	95.5	80-120
06/10/94	CCS*IND6*3	34262*8080/3540-G	BHC,D	UG/KG-	284000	275000	96.8	80-120
06/10/94	CCS*IND6*3	39413*8080/3540-G	HEPTACHLOR	UG/KG-	536000	594000	111	80-120
06/10/94	CCS*IND6*3	34257*8080/3540-G	BHC,B	UG/KG-	244000	247000	101	80-120
06/10/94	CCS*IND6*3	39333*8080/3540-G	ALDRIN	UG/KG-	509000	589000	116	80-120
06/10/94	CCS*IND6*3	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	422000	491000	116	80-120
06/10/94	CCS*IND6*3	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	335000	405000	121	80-120
06/10/94	CCS*IND6*3	39321*8080/3540-G	DDE,PP'	UG/KG-	320000	382000	119	80-120
06/10/94	CCS*IND6*3	39383*8080/3540-G	DIELDRIN	UG/KG-	341000	382000	112	80-120
06/10/94	CCS*IND6*3	39393*8080/3540-G	ENDRIN	UG/KG-	94300	100000	106	80-120
06/10/94	CCS*IND6*3	39311*8080/3540-G	DDD,PP'	UG/KG-	166000	193000	116	80-120
06/10/94	CCS*IND6*3	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	212000	251000	118	80-120
06/10/94	CCS*IND6*3	39301*8080/3540-G	DDT,PP'	UG/KG-	153000	180000	118	80-120
06/10/94	CCS*IND6*3	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	509000	469000	92.1	80-120
06/10/94	CCS*IND6*3	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	195000	234000	120	80-120
06/10/94	CCS*IND6*3	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	77000	87300	113	80-120
06/10/94	CCS*IND6*3	39351*8080/3540-G	CHLORDANE	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39403*8080/3540-G	TOXAPHENE	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39514*8080/3540-G	PCB-1016	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39511*8080/3540-G	PCB-1260	UG/KG-		T*1		80-120

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Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/10/94	CCS*IND6*3	39491*8080/3540-G	PCB-1221	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39495*8080/3540-G	PCB-1232	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39499*8080/3540-G	PCB-1242	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39503*8080/3540-G	PCB-1248	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*3	39507*8080/3540-G	PCB-1254	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39076*8080/3540-G	BHC,A	UG/KG-	451000	439000	97.3	80-120
06/10/94	CCS*IND6*4	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	404000	403000	99.8	80-120
06/10/94	CCS*IND6*4	34262*8080/3540-G	BHC,D	UG/KG-	284000	285000	100	80-120
06/10/94	CCS*IND6*4	39413*8080/3540-G	HEPTACHLOR	UG/KG-	536000	590000	110	80-120
06/10/94	CCS*IND6*4	34257*8080/3540-G	BHC,B	UG/KG-	244000	249000	102	80-120
06/10/94	CCS*IND6*4	39333*8080/3540-G	ALDRIN	UG/KG-	509000	564000	111	80-120
06/10/94	CCS*IND6*4	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	422000	472000	112	80-120
06/10/94	CCS*IND6*4	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	335000	383000	114	80-120
06/10/94	CCS*IND6*4	39321*8080/3540-G	DDE,PP'	UG/KG-	320000	377000	118	80-120
06/10/94	CCS*IND6*4	39383*8080/3540-G	DIELDRIN	UG/KG-	341000	401000	118	80-120
06/10/94	CCS*IND6*4	39393*8080/3540-G	ENDRIN	UG/KG-	94300	113000	120	80-120
06/10/94	CCS*IND6*4	39311*8080/3540-G	DDD,PP'	UG/KG-	166000	188000	113	80-120
06/10/94	CCS*IND6*4	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	212000	238000	112	80-120
06/10/94	CCS*IND6*4	39301*8080/3540-G	DDT,PP'	UG/KG-	153000	179000	117	80-120
06/10/94	CCS*IND6*4	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	509000	533000	105	80-120
06/10/94	CCS*IND6*4	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	195000	233000	119	80-120
06/10/94	CCS*IND6*4	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	77000	91400	119	80-120
06/10/94	CCS*IND6*4	39351*8080/3540-G	CHLORDANE	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39403*8080/3540-G	TOXAPHENE	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39514*8080/3540-G	PCB-1016	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39511*8080/3540-G	PCB-1260	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39491*8080/3540-G	PCB-1221	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39495*8080/3540-G	PCB-1232	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39499*8080/3540-G	PCB-1242	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39503*8080/3540-G	PCB-1248	UG/KG-		T*1		80-120
06/10/94	CCS*IND6*4	39507*8080/3540-G	PCB-1254	UG/KG-		T*1		80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
06/09/94	MB*THAMA*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
06/09/94	MB*THAMA*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
06/09/94	MB*THAMA*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
06/09/94	MB*THAMA*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
06/09/94	MB*THAMA*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
06/09/94	MB*THAMA*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
06/09/94	MB*THAMA*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
06/09/94	MB*THAMA*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
06/09/94	MB*THAMA*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
06/09/94	MB*THAMA*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
06/09/94	MB*THAMA*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
06/09/94	MB*THAMA*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
06/09/94	MB*THAMA*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
06/09/94	MB*THAMA*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
06/09/94	MB*THAMA*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
06/09/94	MB*THAMA*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
06/09/94	MB*THAMA*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
06/09/94	MB*THAMA*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
06/09/94	MB*THAMA*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
06/09/94	MB*THAMA*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
06/09/94	MB*THAMA*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
06/09/94	MB*THAMA*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
06/09/94	MB*THAMA*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
06/09/94	MB*THAMA*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
06/09/94	MB*THAMA*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
06/09/94	MB*THAMA*1	39507*8080/3540-G	PCB-1254	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
06/09/94	SP1*THAMA*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39783*8080/3540-G	BHC,G(LINDANE)	99.4	45-129	UG/KG-	33.3	33.1
06/09/94	SP1*THAMA*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39413*8080/3540-G	HEPTACHLOR	93.4	30-148	UG/KG-	33.3	31.1
06/09/94	SP1*THAMA*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39333*8080/3540-G	ALDRIN	88.6	53-133	UG/KG-	33.3	29.5
06/09/94	SP1*THAMA*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND

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Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
06/09/94	SP1*THAMA*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39383*8080/3540-G	DIELDRIN	96.9	46-140	UG/KG-	66.7	64.6
06/09/94	SP1*THAMA*1	39393*8080/3540-G	ENDRIN	98.5	52-126	UG/KG-	66.7	65.7
06/09/94	SP1*THAMA*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39301*8080/3540-G	DDT,PP'	98.4	37-155	UG/KG-	66.7	65.6
06/09/94	SP1*THAMA*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
06/09/94	SP1*THAMA*1	39507*8080/3540-G	PCB-1254		80-120	UG/KG-		ND

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
06/09/94	SPM1*CDMHNSS*40	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39783*8080/3540-G	BHC,G(LINDANE)	103.9	45-129	0.133	UG/KG-	35.6	37.0
06/09/94	SPM1*CDMHNSS*40	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39413*8080/3540-G	HEPTACHLOR	96.6	30-148	0.0	UG/KG-	35.6	34.4
06/09/94	SPM1*CDMHNSS*40	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39333*8080/3540-G	ALDRIN	95.8	53-133	0.0	UG/KG-	35.6	34.1
06/09/94	SPM1*CDMHNSS*40	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39383*8080/3540-G	DIELDRIN	90.3	46-140	0.031	UG/KG-	71.2	64.3
06/09/94	SPM1*CDMHNSS*40	39393*8080/3540-G	ENDRIN	95.1	52-126	0.965	UG/KG-	71.2	67.7
06/09/94	SPM1*CDMHNSS*40	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39301*8080/3540-G	DDT,PP'	100.4	37-155	14.9	UG/KG-	71.2	71.5
06/09/94	SPM1*CDMHNSS*40	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
06/09/94	SPM1*CDMHNSS*40	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39783*8080/3540-G	BHC,G(LINDANE)	106.2	45-129	0.133	UG/KG-	35.6	37.8
06/09/94	SPM2*CDMHNSS*40	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39413*8080/3540-G	HEPTACHLOR	97.8	30-148	0.0	UG/KG-	35.6	34.8
06/09/94	SPM2*CDMHNSS*40	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39333*8080/3540-G	ALDRIN	95.2	53-133	0.0	UG/KG-	35.6	33.9
06/09/94	SPM2*CDMHNSS*40	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39383*8080/3540-G	DIELDRIN	94.8	46-140	0.031	UG/KG-	71.2	67.5
06/09/94	SPM2*CDMHNSS*40	39393*8080/3540-G	ENDRIN	93.3	52-126	0.965	UG/KG-	71.2	66.4
06/09/94	SPM2*CDMHNSS*40	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39301*8080/3540-G	DDT,PP'	108.8	37-155	14.9	UG/KG-	71.2	77.5
06/09/94	SPM2*CDMHNSS*40	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
06/09/94	SPM2*CDMHNSS*40	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND

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Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
06/09/94	SPM2*CDMHNSS*40	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/09/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1560000	1640000	105	67-119
06/09/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	762000	872000	114	51-169
06/09/94	MB*THAMA*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.060	89.6	67-119
06/09/94	MB*THAMA*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.066	98.5	51-169
06/09/94	SP1*THAMA*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.061	91.0	67-119
06/09/94	SP1*THAMA*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.071	106	51-169
06/09/94	SPM1*CDMHNSS*40	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.065	97.0	67-119
06/09/94	SPM1*CDMHNSS*40	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.075	112	51-169
06/09/94	SPM2*CDMHNSS*40	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.063	94.0	67-119
06/09/94	SPM2*CDMHNSS*40	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.065	97.0	51-169
06/09/94	DA*CDMHNSS*39	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.061	91.0	67-119
06/09/94	DA*CDMHNSS*39	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.054	80.6	51-169
06/09/94	DA*CDMHNSS*40	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.065	97.0	67-119
06/09/94	DA*CDMHNSS*40	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.058	86.6	51-169
06/09/94	DA*CDMHNSS*41	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.069	103	67-119
06/09/94	DA*CDMHNSS*41	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.080	119	51-169
06/09/94	DA*CDMHNSS*42	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.062	92.5	67-119
06/09/94	DA*CDMHNSS*42	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.064	95.5	51-169
06/09/94	CCS*IND6*2	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1560000	1510000	96.8	67-119
06/09/94	CCS*IND6*2	96343*SUR	DECACHLOROBIPHENYL	UG/G	762000	625000	82.0	51-169
06/10/94	CCS*IND6*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1560000	1760000	113	67-119
06/10/94	CCS*IND6*3	96343*SUR	DECACHLOROBIPHENYL	UG/G	762000	1160000	152	51-169
06/10/94	CCS*IND6*4	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1560000	1740000	112	67-119
06/10/94	CCS*IND6*4	96343*SUR	DECACHLOROBIPHENYL	UG/G	762000	876000	115	51-169

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UNITS AND EXAMPLE CALCULATIONS

	UNITS ENTERED
FINAL CONCENTRATION	NG/G
INJECTION VOLUME	NA
SAMPLE VOLUME	G
EXTRACT VOLUME	ML
CURVE CONCENTRATION	NG/ML
SPIKE SOLN CONCENTRATION	NG/ML
SPIKE VOLUME	ML
SPIKE SAMPLE VOLUME	ML
TARGET CONCENTRATION	NG/G
RESPONSE DESCRIPTION	PEAK AREA
CONVERSION FACTOR	NA

FINAL CONC = CURV CONC * EXT VOL * DIL
INJ VOL * SAMP VOL * ((100 - %MOISTURE) / 100)

NG/G = (NG/ML) * (ML)
(NA) * (G)

( ) = ( ) * ( ) * ( )
( ) * ( ) * ((100 - ( )) / 100)

TARGET CONC = SPIKE SOLN CONC * SPIKE VOL
SPIKE SAMP VOL * ((100 - %MOISTURE) / 100)

NG/G = (NG/ML) * (ML)
(ML)

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Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G49999 Analysis Date: 06/08/94 Analyst: GREG AYOUB

	Yes	No	"Exceptions" Comment / Corrective Action
Are ALL units documented in batch?	X		
Analysis holding time within criteria?	X		
Extract holding time within criteria?	X		
No. of calibration standards present acceptable?	X		
Curve correlation coefficient >= 0.995?	X		
Calibration curve y-intercept < curve detection limit?	X		
Sample responses within highest standard response?	X		
Sample retention times within retention time window?	X		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?	X		
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?	X		
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?	X		
Surrogate present?	X		
Surrogate within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49999

TABLE OF ABBREVIATIONS

%RECV : % Recovery for spiked sample. (FOUND/TARGET * 100)
ANLY DATE : Analysis Date
ANLY TIME : Analysis Time
CURVE : Curve Regression Number
DILUTION : Sample Dilution Factor
EXT DATE : Extract Date
EXT VOL : Extract Volume
FOUND : Spiked Sample Conc. - Unspiked Sample Conc.
INJ VOL : Injection Volume
REL%DIFF : % Difference between current and previous spike.
RESPONSE : Sample Response
R.T. : Retention Time
SAMPLE CODE: Sample Type * Sample ID
SAMPLE ID : Field Group * Sequence Number
SAMPLE TYPE: The kind of sample analyzed. (listed below)
DA -- Data Sample
MB -- Method Blank
RF -- Reference (from commercially known standard)
RP -- Replicate Sample
SP -- Standard Matrix Spike
SPM -- Sample Matrix Spike
STD -- Internal Standard
SUR -- Surrogate Sample
UN -- Unspiked Sample
SAMP VOL : Sample Volume
SPK CONC : Spike Concentration
ST : Sample response explanation or validity. (listed below)
BK -- No sample response.
NA -- Sample not analyzed.
NR -- Not reserved for this batch. Batch containing the response for this sample is listed in the target field.
OK -- Sample response shown is correct.
! -- Sample response shown is invalid.
< -- Sample response < detection limit. Detection limit is shown in the response field.
STORET*MTHD: Storet ID * Method Code
TARGET : Spike Target (SAMPLE LISTING SECTION)
TARGET : Spike Target Concentration (SPIKED SAMPLE SECTION)
TYPE : Response Type ("FINAL" or empty.)
UNSP CONC : Unspiked Sample Concentration

ESE BATCH : G50054
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOX)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : DONNA CREWS
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 06/27/94 08:32:28
ANALYSIS DATE : 06/14/94
EXTRACT DATE : 06/09/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

BATCH NOTES
UPDATED - TO CHANGE PRELIMINARY./GA/DRW 6/15

FIELD GRP QC TYPE	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
CDMHNSS	1944022G 0201	CDM - HANFORD N. SLOPE	EDWARD MANSFIELD

SAMPLE CODE	CLIENT ID	DATE ANALYZED	TIME ANALYZED
CDMHNSS*43	A0111012	06/15/94	01:42PM
CDMHNSS*44	A0112012	06/15/94	02:30PM
CDMHNSS*43*C	A0111012	06/15/94	12:54PM
CDMHNSS*44*C	A0112012	06/15/94	01:42PM

ESE BATCH : G50054

HOLDING TIMES CHECK

SAMPLE	ANALYTE	ANL DATE	EXT DATE	SMP DATE	H.T.	OVER

ALL HOLDING TIMES MET

STORET: 96471 METHOD: SUR TETRACHLORO-M-XYLENE, UG/G QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 06/14/94 LARGEST RESP=1791287 %RSD=4.0935 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	17749	88359	179052	465430	980252	1791287
CONC':	0.003	0.006	0.020	0.037	0.095	0.205	0.399
R.T.:		12.508	12.509	12.510	12.508	12.507	12.506

CONC = 2.6678E-03+ 1.8918E-07*RESP+ 1.7852E-14*RESP**2+ *RESP**3
95% C.I.= 4.9746E-03 1.9979E-08 1.1185E-14
CORRELATION COEFFICIENT = .9997

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=.004 DATE: 06/14/94 LARGEST RESP=2723931 %RSD=13.9946 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	38786	179916	357883	740247	1484380	2723931
CONC':	-.001	0.003	0.021	0.044	0.095	0.202	0.400
R.T.:		11.662	11.663	11.661	11.661	11.660	11.660

CONC = -1.4138E-03+ 1.2425E-07*RESP+ 8.4555E-15*RESP**2+ *RESP**3
95% C.I.= 4.0286E-03 1.0186E-08 3.7118E-15
CORRELATION COEFFICIENT = .9998

STORET: 39076 METHOD: 8080/3540-G BHC,A, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=446882 %RSD=14.0616 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3906	16802	31654	80814	200289	446882
CONC':	0.659	1.75	5.34	9.41	22.5	51.6	99.8
R.T.:		15.439	15.441	15.442	15.443	15.443	15.440

CONC = 6.5949E-01+ 2.8068E-04*RESP+ -1.3183E-10*RESP**2+ *RESP**3
95% C.I.= 1.7483E+00 3.1366E-05 6.9447E-11
CORRELATION COEFFICIENT = .9994

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=1092072 %RSD=12.1211 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	8611	40912	86092	204579	492461	1092072
CONC':	0.478	1.45	5.08	10.1	22.8	51.3	99.8
R.T.:		13.007	13.008	13.008	13.009	13.010	13.009

CONC = 4.7782E-01+ 1.1328E-04*RESP+ -2.0437E-11*RESP**2+ *RESP**3
95% C.I.= 1.4491E+00 1.0496E-05 9.5022E-12
CORRELATION COEFFICIENT = .9996

STORET: 39783 METHOD: 8080/3540-G BHC,G(LINDANE), UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=383361 %RSD=13.2159 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3724	15213	28495	72802	179638	383361
CONC':	0.692	1.83	5.33	9.33	22.4	51.7	99.7
R.T.:		17.119	17.120	17.122	17.123	17.123	17.121

CONC = 6.9164E-01+ 3.0689E-04*RESP+ -1.2671E-10*RESP**2+ *RESP**3
95% C.I.= 1.8707E+00 3.8413E-05 9.9426E-11
CORRELATION COEFFICIENT = .9993

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=915265 %RSD=7.0338 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	8289	40006	81686	184113	416945	915265
CONC':	-.028	1.07	5.23	10.6	23.5	50.7	99.9
R.T.:		14.171	14.172	14.172	14.174	14.174	14.174

CONC = -2.7969E-02+ 1.3232E-04*RESP+ -2.5277E-11*RESP**2+ *RESP**3
95% C.I.= 1.0147E+00 8.5381E-06 9.1969E-12
CORRELATION COEFFICIENT = .9998

ESE BATCH : G50054

STORET: 34257 METHOD: 8080/3540-G BHC,B, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=227891 %RSD=6.5649 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2456	11239	21144	52870	121898	227891
CONC':	0.700	1.70	5.27	9.32	22.5	52.0	99.6
R.T.:		17.402	17.404	17.405	17.406	17.405	17.404

CONC = 7.0037E-01+ 4.0511E-04*RESP+ 1.2629E-10*RESP**2+ *RESP**3
95% C.I.= 1.9318E+00 6.2794E-05 2.7563E-10
CORRELATION COEFFICIENT = .9993

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=445429 %RSD=12.7863 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5888	27167	54589	111494	222983	445429
CONC':	-.752	0.578	5.38	11.6	24.4	49.7	100
R.T.:		13.889	13.889	13.888	13.889	13.889	13.888

CONC = -7.5171E-01+ 2.2585E-04*RESP+ 1.2208E-12*RESP**2+ *RESP**3
95% C.I.= 1.1414E+00 1.8074E-05 3.9994E-11
CORRELATION COEFFICIENT = .9998

STORET: 39413 METHOD: 8080/3540-G HEPTACHLOR, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=590483 %RSD=6.9176 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6147	28064	52545	131125	302552	590483
CONC':	0.546	1.59	5.31	9.46	22.8	51.6	99.7
R.T.:		18.509	18.511	18.512	18.512	18.512	18.509

CONC = 5.4638E-01+ 1.6990E-04*RESP+ -3.3933E-12*RESP**2+ *RESP**3
95% C.I.= 1.6538E+00 2.0971E-05 3.5401E-11
CORRELATION COEFFICIENT = .9995

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=1059411 %RSD=15.9301 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	15330	68077	132468	269544	536370	1059411
CONC':	-.828	0.599	5.52	11.5	24.4	49.7	100
R.T.:		16.896	16.896	16.895	16.895	16.896	16.894

CONC = -8.2753E-01+ 9.3041E-05*RESP+ 2.0974E-12*RESP**2+ *RESP**3
95% C.I.= 1.1663E+00 7.7077E-06 7.1695E-12
CORRELATION COEFFICIENT = .9998

STORET: 34262 METHOD: 8080/3540-G BHC,D, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=206859 %RSD=12.6192 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2402	9805	17513	43439	107936	206859
CONC':	0.829	1.98	5.52	9.20	21.6	52.4	99.5
R.T.:		18.971	18.973	18.974	18.975	18.975	18.973

CONC = 8.2925E-01+ 4.7816E-04*RESP+ -5.4658E-12*RESP**2+ *RESP**3
95% C.I.= 2.4851E+00 9.1452E-05 4.4168E-10
CORRELATION COEFFICIENT = .9988

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=670566 %RSD=10.3962 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6580	28944	60315	127609	275191	670566
CONC':	-.681	0.678	5.24	11.5	24.4	49.9	100
R.T.:		14.962	14.962	14.962	14.965	14.964	14.964

CONC = -6.8071E-01+ 2.0703E-04*RESP+ -8.4770E-11*RESP**2+ *RESP**3
95% C.I.= 1.0210E+00 1.2066E-05 1.7565E-11
CORRELATION COEFFICIENT = .9998

STORET: 39333 METHOD: 8080/3540-G ALDRIN, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=513102 %RSD=13.6590 RT WINDOW:

ESE BATCH : G50054

CONC :	0	1	5	10	25	50	100
RESP :	0	4416	20518	36371	95218	243681	513102
CONC':	0.939	1.93	5.54	9.06	21.8	52.1	99.7
R.T.:		19.916	19.917	19.919	19.920	19.919	19.919

CONC = 9.3882E-01+ 2.2552E-04*RESP+ -6.4581E-11*RESP**2+ *RESP**3
95% C.I.= 2.2588E+00 3.4867E-05 6.7589E-11
CORRELATION COEFFICIENT = .9989

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=839186 %RSD=10.1677 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	10094	45346	90900	191405	399271	839186
CONC':	-.629	0.710	5.36	11.3	24.2	50.0	100
R.T.:		18.235	18.235	18.237	18.237	18.237	18.237

CONC = -6.2930E-01+ 1.3286E-04*RESP+ -1.5388E-11*RESP**2+ *RESP**3
95% C.I.= 9.8514E-01 8.5927E-06 1.0075E-11
CORRELATION COEFFICIENT = .9998

STORET: 39423 METHOD: 8080/3540-G HEPTACHLOR EPOXIDE, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=384675 %RSD=34.9040 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6971	17370	31674	80733	201034	384675
CONC':	0.766	2.56	5.24	8.93	21.6	52.5	99.5
R.T.:		22.264	22.269	22.271	22.272	22.271	22.271

CONC = 7.6648E-01+ 2.5772E-04*RESP+ -2.8230E-12*RESP**2+ *RESP**3
95% C.I.= 2.6404E+00 5.2348E-05 1.3585E-10
CORRELATION COEFFICIENT = .9986

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=766314 %RSD=19.6434 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	11930	51630	101234	196465	377100	766314
CONC':	-1.27	0.328	5.63	12.2	24.9	48.9	100
R.T.:		19.738	19.738	19.737	19.738	19.739	19.737

CONC = -1.2664E+00+ 1.3364E-04*RESP+ -1.5578E-12*RESP**2+ *RESP**3
95% C.I.= 1.7600E+00 1.5938E-05 2.0394E-11
CORRELATION COEFFICIENT = .9995

STORET: 34364 METHOD: 8080/3540-G ENDOSULFAN,A, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.4 DATE: 06/14/94 LARGEST RESP=305949 %RSD=11.1409 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3187	13835	25434	65741	167813	305949
CONC':	1.31	2.24	5.38	8.82	21.0	53.0	99.3
R.T.:		23.615	23.615	23.618	23.619	23.618	23.618

CONC = 1.3074E+00+ 2.9313E-04*RESP+ 8.8684E-11*RESP**2+ *RESP**3
95% C.I.= 3.0458E+00 7.5981E-05 2.4972E-10
CORRELATION COEFFICIENT = .9981

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=658827 %RSD=18.2127 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	10318	50513	89548	191524	363789	658827
CONC':	-.558	0.702	5.71	10.7	24.5	49.9	100
R.T.:		21.149	21.149	21.148	21.149	21.149	21.149

CONC = -5.5762E-01+ 1.2160E-04*RESP+ 4.7223E-11*RESP**2+ *RESP**3
95% C.I.= 7.7883E-01 7.9559E-06 1.1974E-11
CORRELATION COEFFICIENT = .9999

STORET: 39321 METHOD: 8080/3540-G DDE,PP', UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.4 DATE: 06/14/94 LARGEST RESP=296114 %RSD=35.3768 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5287	12886	23154	60656	163114	296114
CONC':	1.39	3.00	5.33	8.50	20.2	53.4	99.2
R.T.:		24.181	24.179	24.184	24.185	24.183	24.182

ESE BATCH : G50054
CONC = 1.3898E+00+ 3.0491E-04*RESP+ 8.5520E-11*RESP**2+ *RESP**3
95% C.I.= 3.6473E+00 9.5398E-05 3.2381E-10
CORRELATION COEFFICIENT = .9973

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=494768 %RSD=21.0956 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	7797	31644	64524	122351	231601	494768
CONC':	-1.54	0.210	5.52	12.8	25.3	48.4	100
R.T.:		21.963	21.964	21.963	21.965	21.966	21.965

CONC = -1.5364E+00+ 2.2427E-04*RESP+ -3.7355E-11*RESP**2+ *RESP**3
95% C.I.= 2.2038E+00 3.1333E-05 6.1822E-11
CORRELATION COEFFICIENT = .9991

STORET: 39383 METHOD: 8080/3540-G DIELDRIN, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.5 DATE: 06/14/94 LARGEST RESP=269199 %RSD=21.7849 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3493	11341	20030	53180	144592	269199
CONC':	1.48	2.71	5.47	8.54	20.3	53.2	99.3
R.T.:		24.437	24.433	24.441	24.443	24.438	24.438

CONC = 1.4793E+00+ 3.5177E-04*RESP+ 4.2549E-11*RESP**2+ *RESP**3
95% C.I.= 3.4721E+00 1.0074E-04 3.7610E-10
CORRELATION COEFFICIENT = .9975

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=583157 %RSD=19.3219 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	8737	36835	75096	142326	272715	583157
CONC':	-1.47	0.202	5.54	12.7	25.2	48.6	100
R.T.:		22.150	22.150	22.150	22.151	22.152	22.150

CONC = -1.4677E+00+ 1.9132E-04*RESP+ -2.8948E-11*RESP**2+ *RESP**3
95% C.I.= 2.1171E+00 2.5661E-05 4.2977E-11
CORRELATION COEFFICIENT = .9992

STORET: 39393 METHOD: 8080/3540-G ENDRIN, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.7 DATE: 06/14/94 LARGEST RESP=77054 %RSD=14.9343 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1016	4076	7063	17963	46532	77054
CONC':	1.65	2.60	5.52	8.45	19.8	54.2	98.7
R.T.:		25.400	25.397	25.403	25.404	25.401	25.402

CONC = 1.6526E+00+ 9.3246E-04*RESP+ 4.2517E-09*RESP**2+ *RESP**3
95% C.I.= 4.1615E+00 4.0962E-04 5.3732E-09
CORRELATION COEFFICIENT = .9966

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=387642 %RSD=21.5361 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6048	25436	51301	95478	176970	387642
CONC':	-1.78	0.003	5.68	13.2	25.7	47.9	100
R.T.:		22.997	22.997	22.996	22.998	22.998	22.998

CONC = -1.7810E+00+ 2.9550E-04*RESP+ -8.2749E-11*RESP**2+ *RESP**3
95% C.I.= 2.6398E+00 4.7940E-05 1.2036E-10
CORRELATION COEFFICIENT = .9988

STORET: 39311 METHOD: 8080/3540-G DDD,PP', UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.8 DATE: 06/14/94 LARGEST RESP=132613 %RSD=12.1547 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1553	6929	12142	30382	80645	132613
CONC':	1.79	2.63	5.56	8.50	19.4	54.5	98.6
R.T.:		25.569	25.566	25.573	25.574	25.570	25.570

CONC = 1.7929E+00+ 5.3410E-04*RESP+ 1.4798E-09*RESP**2+ *RESP**3
95% C.I.= 4.4058E+00 2.5384E-04 1.9369E-09
CORRELATION COEFFICIENT = .9961

CALIBRATION CURVE # 2 (NG/ML)

ESE BATCH : G50054

DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=248297 %RSD=22.4025 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3963	14943	31558	59857	111845	248297
CONC':	-1.67	0.204	5.34	13.0	25.7	48.1	100
R.T.:		23.475	23.476	23.475	23.479	23.478	23.478

CONC = -1.6659E+00+ 4.7277E-04*RESP+ -2.5019E-10*RESP**2+ *RESP**3
95% C.I.= 2.4354E+00 6.9959E-05 2.7432E-10
CORRELATION COEFFICIENT = .9990

STORET: 34359 METHOD: 8080/3540-G ENDOSULFAN,B, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)

DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=129259 %RSD=52.8159 RT WINDOW:

CONC :	0	1	5	10	25	100
RESP :	0	3352	7321	12434	32095	129259
CONC':	-.700	2.02	5.23	9.36	25.1	100.0
R.T.:		25.894	25.838	25.848	25.848	25.842

CONC = -6.9988E-01+ 8.1190E-04*RESP+ -2.5417E-10*RESP**2+ *RESP**3
95% C.I.= 1.0479E+00 8.3478E-05 6.1483E-10
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)

DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=374446 %RSD=27.7339 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	7150	27137	56601	102262	182757	374446
CONC':	-1.79	0.125	5.48	13.4	25.7	47.6	100
R.T.:		23.291	23.292	23.292	23.292	23.292	23.291

CONC = -1.7890E+00+ 2.6766E-04*RESP+ 1.4269E-11*RESP**2+ *RESP**3
95% C.I.= 2.8716E+00 5.1541E-05 1.3434E-10
CORRELATION COEFFICIENT = .9986

STORET: 39301 METHOD: 8080/3540-G DDT,PP', UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)

DETECTION LIMIT=2.2 DATE: 06/14/94 LARGEST RESP=133251 %RSD=19.5836 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1858	6448	11501	30692	83321	133251
CONC':	2.16	3.08	5.40	8.04	18.9	55.1	98.3
R.T.:		26.323	26.321	26.331	26.332	26.327	26.328

CONC = 2.1644E+00+ 4.9100E-04*RESP+ 1.7321E-09*RESP**2+ *RESP**3
95% C.I.= 4.9637E+00 2.8901E-04 2.2022E-09
CORRELATION COEFFICIENT = .9950

STORET: 34369 METHOD: 8080/3540-G ENDRIN ALDEHYDE, UG/KG-DRY QUAD

CALIBRATION CURVE # 2 (NG/ML)

DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=309377 %RSD=27.6892 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5884	21328	46072	84248	149080	309377
CONC':	-1.77	0.170	5.26	13.4	26.0	47.4	100
R.T.:		23.805	23.806	23.804	23.807	23.807	23.805

CONC = -1.7704E+00+ 3.2980E-04*RESP+ 1.8750E-12*RESP**2+ *RESP**3
95% C.I.= 2.9352E+00 6.4065E-05 2.0207E-10
CORRELATION COEFFICIENT = .9985

STORET: 34354 METHOD: 8080/3540-G ENDOSULFAN SULFATE, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)

DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=131733 %RSD=12.8773 RT WINDOW:

CONC :	0	1	5	10	25	100
RESP :	0	1626	6749	11560	31934	131733
CONC':	-.041	1.26	5.36	9.19	25.2	100.0
R.T.:		26.979	26.975	26.984	26.985	26.980

CONC = -4.0872E-02+ 8.0208E-04*RESP+ -3.2433E-10*RESP**2+ *RESP**3
95% C.I.= 6.7609E-01 5.4878E-05 3.9892E-10
CORRELATION COEFFICIENT = .9999

STORET: 39481 METHOD: 8080/3540-G METHOXYCHLOR, UG/KG-DRY QUAD

CALIBRATION CURVE # 1 (NG/ML)

DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=60323 %RSD=36.2461 RT WINDOW:

ESE BATCH : G50054

CONC :	0	1	5	10	25	100
RESP :	0	1150	3075	5417	14666	60323
CONC':	-.300	1.73	5.12	9.22	25.2	100.0
R.T.:		28.565	28.553	28.566	28.566	28.560

CONC = -2.9994E-01+ 1.7669E-03*RESP+ -1.7293E-09*RESP**2+ *RESP**3
95% C.I.= 8.2038E-01 1.4440E-04 2.2875E-09
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=136175 %RSD=22.1031 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2268	8291	19245	36916	65858	136175
CONC':	-1.37	0.322	4.81	13.0	26.1	47.7	100
R.T.:		25.713	25.713	25.708	25.716	25.716	25.713

CONC = -1.3658E+00+ 7.4431E-04*RESP+ 2.1291E-11*RESP**2+ *RESP**3
95% C.I.= 2.5054E+00 1.2563E-04 9.0383E-10
CORRELATION COEFFICIENT = .9989

STORET: 96343 METHOD: SUR DECACHLOROBIPHENYL, UG/G QUAD

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 06/14/94 LARGEST RESP=612181 %RSD=21.8719 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.400
RESP :	0	9643	36205	58944	157940	612181
CONC':	-.0010	0.005	0.022	0.037	0.101	0.400
R.T.:		33.327	33.320	33.333	33.333	33.323

CONC = -9.5331E-04+ 6.3961E-07*RESP+ 2.5010E-14*RESP**2+ *RESP**3
95% C.I.= 3.0434E-03 5.0252E-08 7.8401E-14
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=.007 DATE: 06/14/94 LARGEST RESP=1035024 %RSD=42.9518 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	29106	81531	175306	325244	540966	1035024
CONC':	-.007	0.003	0.020	0.052	0.106	0.188	0.402
R.T.:		30.323	30.322	30.314	30.326	30.324	30.317

CONC = -6.9217E-03+ 3.2387E-07*RESP+ 6.9027E-14*RESP**2+ *RESP**3
95% C.I.= 1.1875E-02 7.3418E-08 6.9481E-14
CORRELATION COEFFICIENT = .9986

STORET: 39351 METHOD: 8080/3540-G CHLORDANE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 06/09/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 06/09/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39403 METHOD: 8080/3540-G TOXAPHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 06/09/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 06/09/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39514 METHOD: 8080/3540-G PCB-1016, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP=(USER DEFINED) %RSD=6.8928 RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP=(USER DEFINED) %RSD=6.8928 RT WINDOW:

STORET: 39511 METHOD: 8080/3540-G PCB-1260, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP=(USER DEFINED) %RSD=7.9936 RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP=(USER DEFINED) %RSD=7.9936 RT WINDOW:

STORET: 39491 METHOD: 8080/3540-G PCB-1221, UG/KG-DRY FINAL

ESE BATCH : G50054

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39495 METHOD: 8080/3540-G PCB-1232, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39499 METHOD: 8080/3540-G PCB-1242, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39503 METHOD: 8080/3540-G PCB-1248, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP=300941 %RSD= RT WINDOW:
CONC : 500
RESP : 300941
CONC':

CONC = + *RESP+ *RESP**2+ *RESP**3
95% C.I.=
CORRELATION COEFFICIENT =

CALIBRATION CURVE # 2
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP=300941 %RSD= RT WINDOW:
CONC : 500
RESP : 300941
CONC':

CONC = + *RESP+ *RESP**2+ *RESP**3
95% C.I.=
CORRELATION COEFFICIENT =

STORET: 39507 METHOD: 8080/3540-G PCB-1254, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=20 DATE: 06/09/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

ESE BATCH : G50054

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/15/94	CCS*IND6*1	39076*8080/3540-G	BHC,A	UG/KG-	447000	506000	113	80-120
06/15/94	CCS*IND6*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	383000	446000	116	80-120
06/15/94	CCS*IND6*1	34257*8080/3540-G	BHC,B	UG/KG-	228000	260000	114	80-120
06/15/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	590000	664000	113	80-120
06/15/94	CCS*IND6*1	34262*8080/3540-G	BHC,D	UG/KG-	207000	224000	108	80-120
06/15/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	513000	588000	115	80-120
06/15/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	385000	456000	118	80-120
06/15/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	306000	347000	113	80-120
06/15/94	CCS*IND6*1	39321*8080/3540-G	DDE,PP'	UG/KG-	296000	355000	120	80-120
06/15/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	269000	317000	118	80-120
06/15/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	77100	83500	108	80-120
06/15/94	CCS*IND6*1	39311*8080/3540-G	DDD,PP'	UG/KG-	133000	150000	113	80-120
06/15/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	129000	167000	129	80-120
06/15/94	CCS*IND6*1	39301*8080/3540-G	DDT,PP'	UG/KG-	133000	153000	115	80-120
06/15/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-		ND		80-120
06/15/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	132000	162000	123	80-120
06/15/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	60300	71800	119	80-120
06/15/94	CCS*IND6*1	39351*8080/3540-G	CHLORDANE	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1	39403*8080/3540-G	TOXAPHENE	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1	39514*8080/3540-G	PCB-1016	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1	39511*8080/3540-G	PCB-1260	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1	39491*8080/3540-G	PCB-1221	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1	39495*8080/3540-G	PCB-1232	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1	39499*8080/3540-G	PCB-1242	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1	39503*8080/3540-G	PCB-1248	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1	39507*8080/3540-G	PCB-1254	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1*C	39076*8080/3540-G	BHC,A	UG/KG-	1090000	1190000	109	80-120
06/15/94	CCS*IND6*1*C	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	915000	1020000	111	80-120
06/15/94	CCS*IND6*1*C	34257*8080/3540-G	BHC,B	UG/KG-	445000	492000	111	80-120
06/15/94	CCS*IND6*1*C	39413*8080/3540-G	HEPTACHLOR	UG/KG-	1060000	1170000	110	80-120
06/15/94	CCS*IND6*1*C	34262*8080/3540-G	BHC,D	UG/KG-	671000	799000	119	80-120
06/15/94	CCS*IND6*1*C	39333*8080/3540-G	ALDRIN	UG/KG-	839000	943000	112	80-120
06/15/94	CCS*IND6*1*C	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	766000	871000	114	80-120
06/15/94	CCS*IND6*1*C	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	659000	759000	115	80-120
06/15/94	CCS*IND6*1*C	39321*8080/3540-G	DDE,PP'	UG/KG-	495000	552000	112	80-120
06/15/94	CCS*IND6*1*C	39383*8080/3540-G	DIELDRIN	UG/KG-	583000	680000	117	80-120
06/15/94	CCS*IND6*1*C	39393*8080/3540-G	ENDRIN	UG/KG-	388000	461000	119	80-120
06/15/94	CCS*IND6*1*C	39311*8080/3540-G	DDD,PP'	UG/KG-	248000	271000	109	80-120
06/15/94	CCS*IND6*1*C	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	374000	430000	115	80-120
06/15/94	CCS*IND6*1*C	39301*8080/3540-G	DDT,PP'	UG/KG-		ND		80-120
06/15/94	CCS*IND6*1*C	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	309000	349000	113	80-120
06/15/94	CCS*IND6*1*C	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-		ND		80-120
06/15/94	CCS*IND6*1*C	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	136000	136000	100.0	80-120
06/15/94	CCS*IND6*1*C	39351*8080/3540-G	CHLORDANE	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1*C	39403*8080/3540-G	TOXAPHENE	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1*C	39514*8080/3540-G	PCB-1016	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1*C	39511*8080/3540-G	PCB-1260	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1*C	39491*8080/3540-G	PCB-1221	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1*C	39495*8080/3540-G	PCB-1232	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1*C	39499*8080/3540-G	PCB-1242	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1*C	39503*8080/3540-G	PCB-1248	UG/KG-		T*1		80-120
06/15/94	CCS*IND6*1*C	39507*8080/3540-G	PCB-1254	UG/KG-		T*1		80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
06/15/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
06/15/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
06/15/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
06/15/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
06/15/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
06/15/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
06/15/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
06/15/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
06/15/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
06/15/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
06/15/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
06/15/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
06/15/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
06/15/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
06/15/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
06/15/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
06/15/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND

ESE BATCH : G50054

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
06/15/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
06/15/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
06/15/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
06/15/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
06/15/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
06/15/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
06/15/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
06/15/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
06/15/94	MB*QC*1	39507*8080/3540-G	PCB-1254	UG/KG-	ND
06/14/94	MB*QC*1*C	39076*8080/3540-G	BHC,A	UG/KG-	ND
06/14/94	MB*QC*1*C	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
06/14/94	MB*QC*1*C	34257*8080/3540-G	BHC,B	UG/KG-	ND
06/14/94	MB*QC*1*C	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
06/14/94	MB*QC*1*C	34262*8080/3540-G	BHC,D	UG/KG-	ND
06/14/94	MB*QC*1*C	39333*8080/3540-G	ALDRIN	UG/KG-	ND
06/14/94	MB*QC*1*C	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
06/14/94	MB*QC*1*C	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
06/14/94	MB*QC*1*C	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
06/14/94	MB*QC*1*C	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
06/14/94	MB*QC*1*C	39393*8080/3540-G	ENDRIN	UG/KG-	ND
06/14/94	MB*QC*1*C	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
06/14/94	MB*QC*1*C	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
06/14/94	MB*QC*1*C	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
06/14/94	MB*QC*1*C	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
06/14/94	MB*QC*1*C	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
06/14/94	MB*QC*1*C	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
06/14/94	MB*QC*1*C	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
06/14/94	MB*QC*1*C	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
06/14/94	MB*QC*1*C	39514*8080/3540-G	PCB-1016	UG/KG-	ND
06/14/94	MB*QC*1*C	39511*8080/3540-G	PCB-1260	UG/KG-	ND
06/14/94	MB*QC*1*C	39491*8080/3540-G	PCB-1221	UG/KG-	ND
06/14/94	MB*QC*1*C	39495*8080/3540-G	PCB-1232	UG/KG-	ND
06/14/94	MB*QC*1*C	39499*8080/3540-G	PCB-1242	UG/KG-	ND
06/14/94	MB*QC*1*C	39503*8080/3540-G	PCB-1248	UG/KG-	ND
06/14/94	MB*QC*1*C	39507*8080/3540-G	PCB-1254	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
06/15/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	87.4	45-129	UG/KG-	33.3	29.1
06/15/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	79.9	30-148	UG/KG-	33.3	26.6
06/15/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	73.6	53-133	UG/KG-	33.3	24.5
06/15/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	83.7	46-140	UG/KG-	66.7	55.8
06/15/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	93.6	52-126	UG/KG-	66.7	62.4
06/15/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	88.5	37-155	UG/KG-	66.7	59.0
06/15/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
06/15/94	SP1*QC*1	39507*8080/3540-G	PCB-1254		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39783*8080/3540-G	BHC,G(LINDANE)	104.8	45-129	UG/KG-	33.3	34.9
06/15/94	SP1*QC*1*C	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39413*8080/3540-G	HEPTACHLOR	95.8	30-148	UG/KG-	33.3	31.9
06/15/94	SP1*QC*1*C	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39333*8080/3540-G	ALDRIN	97.0	53-133	UG/KG-	33.3	32.3
06/15/94	SP1*QC*1*C	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND

ESE BATCH : G50054

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
06/15/94	SP1*QC*1*C	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39383*8080/3540-G	DIELDRIN	99.0	46-140	UG/KG-	66.7	66.0
06/15/94	SP1*QC*1*C	39393*8080/3540-G	ENDRIN	108.1	52-126	UG/KG-	66.7	72.1
06/15/94	SP1*QC*1*C	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39301*8080/3540-G	DDT,PP'		37-155	UG/KG-		ND
06/15/94	SP1*QC*1*C	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
06/15/94	SP1*QC*1*C	39507*8080/3540-G	PCB-1254		80-120	UG/KG-		ND

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
06/15/94	SPM1*CDMHNSS*43	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39783*8080/3540-G	BHC,G(LINDANE)	90.2	45-129	0.480	UG/KG-	34.7	31.3
06/15/94	SPM1*CDMHNSS*43	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39413*8080/3540-G	HEPTACHLOR	79.0	30-148	0.379	UG/KG-	34.7	27.4
06/15/94	SPM1*CDMHNSS*43	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39333*8080/3540-G	ALDRIN	71.2	53-133	0.651	UG/KG-	34.7	24.7
06/15/94	SPM1*CDMHNSS*43	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39383*8080/3540-G	DIELDRIN	86.3	46-140	2.22	UG/KG-	69.4	59.9
06/15/94	SPM1*CDMHNSS*43	39393*8080/3540-G	ENDRIN	92.1	52-126	1.15	UG/KG-	69.4	63.9
06/15/94	SPM1*CDMHNSS*43	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39301*8080/3540-G	DDT,PP'	-271	37-155	254	UG/KG-	69.4	-188
06/15/94	SPM1*CDMHNSS*43	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39783*8080/3540-G	BHC,G(LINDANE)	88.8	45-129	0.480	UG/KG-	34.7	30.8
06/15/94	SPM2*CDMHNSS*43	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39413*8080/3540-G	HEPTACHLOR	80.1	30-148	0.379	UG/KG-	34.7	27.8
06/15/94	SPM2*CDMHNSS*43	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39333*8080/3540-G	ALDRIN	76.4	53-133	0.651	UG/KG-	34.7	26.5
06/15/94	SPM2*CDMHNSS*43	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39383*8080/3540-G	DIELDRIN	86.7	46-140	2.22	UG/KG-	69.4	60.2
06/15/94	SPM2*CDMHNSS*43	39393*8080/3540-G	ENDRIN	85.3	52-126	1.15	UG/KG-	69.4	59.2
06/15/94	SPM2*CDMHNSS*43	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39301*8080/3540-G	DDT,PP'	-269	37-155	254	UG/KG-	69.4	-187
06/15/94	SPM2*CDMHNSS*43	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND

ESE BATCH : G50054

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
06/15/94	SPM2*CDMHNSS*43	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39783*8080/3540-G	BHC,G(LINDANE)	110.7	45-129	0.480	UG/KG-	34.7	38.4
06/15/94	SPM1*CDMHNSS*43*C	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39413*8080/3540-G	HEPTACHLOR	100.6	30-148	0.379	UG/KG-	34.7	34.9
06/15/94	SPM1*CDMHNSS*43*C	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39333*8080/3540-G	ALDRIN	99.4	53-133	0.651	UG/KG-	34.7	34.5
06/15/94	SPM1*CDMHNSS*43*C	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39383*8080/3540-G	DIELDRIN	100.1	46-140	0.196	UG/KG-	69.4	69.5
06/15/94	SPM1*CDMHNSS*43*C	39393*8080/3540-G	ENDRIN	108.1	52-126	1.15	UG/KG-	69.4	75.0
06/15/94	SPM1*CDMHNSS*43*C	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39301*8080/3540-G	DDT,PP'		37-155	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
06/15/94	SPM1*CDMHNSS*43*C	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39783*8080/3540-G	BHC,G(LINDANE)	102.0	45-129	0.480	UG/KG-	34.7	35.4
06/15/94	SPM2*CDMHNSS*43*C	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39413*8080/3540-G	HEPTACHLOR	93.1	30-148	0.379	UG/KG-	34.7	32.3
06/15/94	SPM2*CDMHNSS*43*C	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39333*8080/3540-G	ALDRIN	92.5	53-133	0.651	UG/KG-	34.7	32.1
06/15/94	SPM2*CDMHNSS*43*C	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39383*8080/3540-G	DIELDRIN	74.4	46-140	0.196	UG/KG-	69.4	51.6
06/15/94	SPM2*CDMHNSS*43*C	39393*8080/3540-G	ENDRIN	76.2	52-126	1.15	UG/KG-	69.4	52.9
06/15/94	SPM2*CDMHNSS*43*C	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39301*8080/3540-G	DDT,PP'		37-155	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
06/15/94	SPM2*CDMHNSS*43*C	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/15/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.058	86.6	67-119
06/15/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.065	97.0	51-169
06/15/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.055	82.1	67-119
06/15/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.056	83.6	51-169
06/15/94	SPM1*CDMHNSS*43	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.055	82.1	67-119
06/15/94	SPM1*CDMHNSS*43	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.068	101	51-169
06/15/94	SPM2*CDMHNSS*43	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.055	82.1	67-119
06/15/94	SPM2*CDMHNSS*43	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.063	94.0	51-169
06/15/94	DA*CDMHNSS*43	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.062	92.5	67-119
06/15/94	DA*CDMHNSS*43	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.090	134	51-169
06/15/94	DA*CDMHNSS*44	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.059	88.1	67-119
06/15/94	DA*CDMHNSS*44	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.081	121	51-169
06/15/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1790000	1900000	106	67-119
06/15/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	612000	738000	121	51-169
06/14/94	MB*QC*1*C	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.062	92.5	67-119
06/14/94	MB*QC*1*C	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.081	121	51-169

ESE BATCH : G50054

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/15/94	SP1*QC*1*C	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.060	89.6	67-119
06/15/94	SP1*QC*1*C	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.084	125	51-169
06/15/94	SPM1*CDMHNSS*43*C	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.063	94.0	67-119
06/15/94	SPM1*CDMHNSS*43*C	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.069	103	51-169
06/15/94	SPM2*CDMHNSS*43*C	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.060	89.6	67-119
06/15/94	SPM2*CDMHNSS*43*C	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.084	125	51-169
06/15/94	DA*CDMHNSS*43*C	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.060	89.6	67-119
06/15/94	DA*CDMHNSS*43*C	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.068	101	51-169
06/15/94	DA*CDMHNSS*44*C	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.061	91.0	67-119
06/15/94	DA*CDMHNSS*44*C	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.073	109	51-169
06/15/94	CCS*IND6*1*C	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2720000	2860000	105	67-119
06/15/94	CCS*IND6*1*C	96343*SUR	DECACHLOROBIPHENYL	UG/G	1040000	942000	90.6	51-169

ESE BATCH : G50054

UNITS AND EXAMPLE CALCULATIONS

	UNITS ENTERED
FINAL CONCENTRATION	NG/G
INJECTION VOLUME	NA
SAMPLE VOLUME	G
EXTRACT VOLUME	ML
CURVE CONCENTRATION	NG/ML
SPIKE SOLN CONCENTRATION	NG/ML
SPIKE VOLUME	ML
SPIKE SAMPLE VOLUME	ML
TARGET CONCENTRATION	NG/G
RESPONSE DESCRIPTION	PEAK AREA
CONVERSION FACTOR	NA

$$\text{FINAL CONC} = \frac{\text{CURV CONC} * \text{EXT VOL} * \text{DIL}}{\text{INJ VOL} * \text{SAMP VOL} * ((100 - \%\text{MOISTURE}) / 100)}$$

$$\text{NG/G} = \frac{(\text{NG/ML}) * (\text{ML})}{(\text{NA}) * (\text{G})}$$

$$(\quad) = \frac{(\quad) * (\quad) * (\quad)}{(\quad) * (\quad) * ((100 - (\quad)) / 100)}$$

$$\text{TARGET CONC} = \frac{\text{SPIKE SOLN CONC} * \text{SPIKE VOL}}{\text{SPIKE SAMP VOL} * ((100 - \%\text{MOISTURE}) / 100)}$$

$$\text{NG/G} = \frac{(\text{NG/ML}) * (\text{ML})}{(\text{ML})}$$

ESE BATCH : G50054

Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G50054 Analysis Date: 06/14/94 Analyst: GREG AYOUB

	Yes	"Exceptions" No	Comment / Corrective Action
Are ALL units documented in batch?	X		
Analysis holding time within criteria?	X		
Extract holding time within criteria?	X		
No. of calibration standards present acceptable?	X		
Curve correlation coefficient >= 0.995?	X		
Calibration curve y-intercept < curve detection limit?	X		
Sample responses within highest standard response?	X		
Sample retention times within retention time window?	X		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?	X		
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	39301*8080
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	39301*8080
Surrogate present?	X		
Surrogate within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: BRAD WEICHERT 1569
PROB: STANDARD MATRIX SPIKE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL: MATRIX SPIKE RECOVERIES ARE OK.
PROB: SAMPLE MATRIX SPIKE AND MATRIX SPIKE DUP NOT WITHIN ACCEPTANCE CRITERIA.
EXPL: MOST LIKELY DUE TO NON-HOMONGENOUS SAMPLE. HIGH HIT IN SAMPLE.
PROB: CCS NOT WITHIN CRITERIA.
EXPL: CCS RESPONSE OK FOR DDT SERIES. THE DECREASE IN RESPONSE FOR OTHER ANALYTES IS NOT RELEVANT SINCE THEY DO NOT APPEAR IN THE SAMPLES AND THE SENSITIVITY IS STILL ADEQUATE TO DETECT THEM IF THEY WERE. / GA 06-11-94

ESE BATCH : G50054

TABLE OF ABBREVIATIONS

%RECV : % Recovery for spiked sample. (FOUND/TARGET * 100)
ANLY DATE : Analysis Date
ANLY TIME : Analysis Time
CURVE : Curve Regression Number
DILUTION : Sample Dilution Factor
EXT DATE : Extract Date
EXT VOL : Extract Volume
FOUND : Spiked Sample Conc. - Unspiked Sample Conc.
INJ VOL : Injection Volume
REL%DIFF : % Difference between current and previous spike.
RESPONSE : Sample Response
R.T. : Retention Time
SAMPLE CODE: Sample Type * Sample ID
SAMPLE ID : Field Group * Sequence Number
SAMPLE TYPE: The kind of sample analyzed. (listed below)

- DA -- Data Sample
- MB -- Method Blank
- RF -- Reference (from commercially known standard)
- RP -- Replicate Sample
- SP -- Standard Matrix Spike
- SPM -- Sample Matrix Spike
- STD -- Internal Standard
- SUR -- Surrogate Sample
- UN -- Unspiked Sample

SAMP VOL : Sample Volume
SPK CONC : Spike Concentration
ST : Sample response explanation or validity. (listed below)

- BK -- No sample response.
- NA -- Sample not analyzed.
- NR -- Not reserved for this batch. Batch containing the response for this sample is listed in the target field.
- OK -- Sample response shown is correct.
- ! -- Sample response shown is invalid.
- < -- Sample response < detection limit. Detection limit is shown in the response field.

STORET*MTHD: Storet ID * Method Code
TARGET : Spike Target (SAMPLE LISTING SECTION)
TARGET : Spike Target Concentration (SPIKED SAMPLE SECTION)
TYPE : Response Type ("FINAL" or empty.)
UNSP CONC : Unspiked Sample Concentration

9513356.0541

Waters

ESE BATCH : G50052
CLASSIFICATION : CHL. PESTS EPA 8080/3520 (CLL)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : DONNA CREWS
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 06/27/94 08:34:17
ANALYSIS DATE : 06/14/94
EXTRACT DATE : 06/09/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

BATCH NOTES
UPDATED - TO CHANGE PRELIMINARY./GA./DRW 6/15

FIELD GRP QC TYPE	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
CDMHNSW	1944022G 0201	CDM - HANFORD N. SLOPE	EDWARD MANSFIELD

SAMPLE CODE	CLIENT ID	DATE ANALYZED	TIME ANALYZED
CDMHNSW*14	W2-02000	06/15/94	11:18PM
CDMHNSW*21	A0109EB3	06/16/94	12:06AM
CDMHNSW*14*C	W2-02000	06/15/94	10:30PM
CDMHNSW*21*C	A0109EB3	06/15/94	11:18PM

ESE BATCH : G50052

HOLDING TIMES CHECK

SAMPLE	ANALYTE	ANL DATE	EXT DATE	SMP DATE	H.T.	OVER

ALL HOLDING TIMES MET

STORET: 96472 METHOD: SUR TETRACHLORO-M-XYLENE, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=4 DATE: 06/14/94 LARGEST RESP=1791287 %RSD=4.0935 RT WINDOW:

CONC :	0	4	20	40	100	200	400
RESP :	0	17749	88359	179052	465430	980252	1791287
CONC':	2.67	6.03	19.5	37.1	94.6	205	399
R.T.:		12.508	12.509	12.510	12.508	12.507	12.506

CONC = 2.6678E+00+ 1.8918E-04*RESP+ 1.7852E-11*RESP**2+ *RESP**3
95% C.I.= 4.9746E+00 1.9979E-05 1.1185E-11
CORRELATION COEFFICIENT = .9997

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=4 DATE: 06/14/94 LARGEST RESP=2723931 %RSD=13.9946 RT WINDOW:

CONC :	0	4	20	40	100	200	400
RESP :	0	38786	179916	357883	740247	1484380	2723931
CONC':	-1.41	3.42	21.2	44.1	95.2	202	400
R.T.:		11.662	11.663	11.661	11.661	11.660	11.660

CONC = -1.4138E+00+ 1.2425E-04*RESP+ 8.4555E-12*RESP**2+ *RESP**3
95% C.I.= 4.0286E+00 1.0186E-05 3.7118E-12
CORRELATION COEFFICIENT = .9998

STORET: 39337 METHOD: 8080/3520-G BHC,A, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=446882 %RSD=14.0616 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3906	16802	31654	80814	200289	446882
CONC':	0.659	1.75	5.34	9.41	22.5	51.6	99.8
R.T.:		15.439	15.441	15.442	15.443	15.443	15.440

CONC = 6.5949E-01+ 2.8068E-04*RESP+ -1.3183E-10*RESP**2+ *RESP**3
95% C.I.= 1.7483E+00 3.1366E-05 6.9447E-11
CORRELATION COEFFICIENT = .9994

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=1092072 %RSD=12.1211 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	8611	40912	86092	204579	492461	1092072
CONC':	0.478	1.45	5.08	10.1	22.8	51.3	99.8
R.T.:		13.007	13.008	13.008	13.009	13.010	13.009

CONC = 4.7782E-01+ 1.1328E-04*RESP+ -2.0437E-11*RESP**2+ *RESP**3
95% C.I.= 1.4491E+00 1.0496E-05 9.5022E-12
CORRELATION COEFFICIENT = .9996

STORET: 39340 METHOD: 8080/3520-G BHC,G(LINDANE), UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=383361 %RSD=13.2159 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3724	15213	28495	72802	179638	383361
CONC':	0.692	1.83	5.33	9.33	22.4	51.7	99.7
R.T.:		17.119	17.120	17.122	17.123	17.123	17.121

CONC = 6.9164E-01+ 3.0689E-04*RESP+ -1.2671E-10*RESP**2+ *RESP**3
95% C.I.= 1.8707E+00 3.8413E-05 9.9426E-11
CORRELATION COEFFICIENT = .9993

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=915265 %RSD=7.0338 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	8289	40006	81686	184113	416945	915265
CONC':	-.028	1.07	5.23	10.6	23.5	50.7	99.9
R.T.:		14.171	14.172	14.172	14.174	14.174	14.174

CONC = -2.7969E-02+ 1.3232E-04*RESP+ -2.5277E-11*RESP**2+ *RESP**3
95% C.I.= 1.0147E+00 8.5381E-06 9.1969E-12
CORRELATION COEFFICIENT = .9998

ESE BATCH : G50052

STORET: 39338 METHOD: 8080/3520-G BHC,B, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=227891 %RSD=6.5649 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2456	11239	21144	52870	121898	227891
CONC':	0.700	1.70	5.27	9.32	22.5	52.0	99.6
R.T.:		17.402	17.404	17.405	17.406	17.405	17.404

CONC = 7.0037E-01+ 4.0511E-04*RESP+ 1.2629E-10*RESP**2+ *RESP**3
95% C.I.= 1.9318E+00 6.2794E-05 2.7563E-10
CORRELATION COEFFICIENT = .9993

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=445429 %RSD=12.7863 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5888	27167	54589	111494	222983	445429
CONC':	-.752	0.578	5.38	11.6	24.4	49.7	100
R.T.:		13.889	13.889	13.888	13.889	13.889	13.888

CONC = -7.5171E-01+ 2.2585E-04*RESP+ 1.2208E-12*RESP**2+ *RESP**3
95% C.I.= 1.1414E+00 1.8074E-05 3.9994E-11
CORRELATION COEFFICIENT = .9998

STORET: 39410 METHOD: 8080/3520-G HEPTACHLOR, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=590483 %RSD=6.9176 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6147	28064	52545	131125	302552	590483
CONC':	0.546	1.59	5.31	9.46	22.8	51.6	99.7
R.T.:		18.509	18.511	18.512	18.512	18.512	18.509

CONC = 5.4638E-01+ 1.6990E-04*RESP+ -3.3933E-12*RESP**2+ *RESP**3
95% C.I.= 1.6538E+00 2.0971E-05 3.5401E-11
CORRELATION COEFFICIENT = .9995

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=1059411 %RSD=15.9301 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	15330	68077	132468	269544	536370	1059411
CONC':	-.828	0.599	5.52	11.5	24.4	49.7	100
R.T.:		16.896	16.896	16.895	16.895	16.896	16.894

CONC = -8.2753E-01+ 9.3041E-05*RESP+ 2.0974E-12*RESP**2+ *RESP**3
95% C.I.= 1.1663E+00 7.7077E-06 7.1695E-12
CORRELATION COEFFICIENT = .9998

STORET: 34259 METHOD: 8080/3520-G BHC,D, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=206859 %RSD=12.6192 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2402	9805	17513	43439	107936	206859
CONC':	0.829	1.98	5.52	9.20	21.6	52.4	99.5
R.T.:		18.971	18.973	18.974	18.975	18.975	18.973

CONC = 8.2925E-01+ 4.7816E-04*RESP+ -5.4658E-12*RESP**2+ *RESP**3
95% C.I.= 2.4851E+00 9.1452E-05 4.4168E-10
CORRELATION COEFFICIENT = .9988

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=670566 %RSD=10.3962 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6580	28944	60315	127609	275191	670566
CONC':	-.681	0.678	5.24	11.5	24.4	49.9	100
R.T.:		14.962	14.962	14.962	14.965	14.964	14.964

CONC = -6.8071E-01+ 2.0703E-04*RESP+ -8.4770E-11*RESP**2+ *RESP**3
95% C.I.= 1.0210E+00 1.2066E-05 1.7565E-11
CORRELATION COEFFICIENT = .9998

STORET: 39330 METHOD: 8080/3520-G ALDRIN, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=513102 %RSD=13.6590 RT WINDOW:

ESE BATCH : G50052

CONC :	0	1	5	10	25	50	100
RESP :	0	4416	20518	36371	95218	243681	513102
CONC':	0.939	1.93	5.54	9.06	21.8	52.1	99.7
R.T.:		19.916	19.917	19.919	19.920	19.919	19.919

CONC = 9.3882E-01+ 2.2552E-04*RESP+ -6.4581E-11*RESP**2+ *RESP**3
95% C.I.= 2.2588E+00 3.4867E-05 6.7589E-11
CORRELATION COEFFICIENT = .9989

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=839186 %RSD=10.1677 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	10094	45346	90900	191405	399271	839186
CONC':	-.629	0.710	5.36	11.3	24.2	50.0	100
R.T.:		18.235	18.235	18.237	18.237	18.237	18.237

CONC = -6.2930E-01+ 1.3286E-04*RESP+ -1.5388E-11*RESP**2+ *RESP**3
95% C.I.= 9.8514E-01 8.5927E-06 1.0075E-11
CORRELATION COEFFICIENT = .9998

STORET: 39420 METHOD: 8080/3520-G HEPTACHLOR EPOXIDE, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=384675 %RSD=34.9040 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6971	17370	31674	80733	201034	384675
CONC':	0.766	2.56	5.24	8.93	21.6	52.5	99.5
R.T.:		22.264	22.269	22.271	22.272	22.271	22.271

CONC = 7.6648E-01+ 2.5772E-04*RESP+ -2.8230E-12*RESP**2+ *RESP**3
95% C.I.= 2.6404E+00 5.2348E-05 1.3585E-10
CORRELATION COEFFICIENT = .9986

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=766314 %RSD=19.6434 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	11930	51630	101234	196465	377100	766314
CONC':	-1.27	0.328	5.63	12.2	24.9	48.9	100
R.T.:		19.738	19.738	19.737	19.738	19.739	19.737

CONC = -1.2664E+00+ 1.3364E-04*RESP+ -1.5578E-12*RESP**2+ *RESP**3
95% C.I.= 1.7600E+00 1.5938E-05 2.0394E-11
CORRELATION COEFFICIENT = .9995

STORET: 34361 METHOD: 8080/3520-G ENDOSULFAN A, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1.4 DATE: 06/14/94 LARGEST RESP=305949 %RSD=11.1409 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3187	13835	25434	65741	167813	305949
CONC':	1.31	2.24	5.38	8.82	21.0	53.0	99.3
R.T.:		23.615	23.615	23.618	23.619	23.618	23.618

CONC = 1.3074E+00+ 2.9313E-04*RESP+ 8.8684E-11*RESP**2+ *RESP**3
95% C.I.= 3.0458E+00 7.5981E-05 2.4972E-10
CORRELATION COEFFICIENT = .9981

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=658827 %RSD=18.2127 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	10318	50513	89548	191524	363789	658827
CONC':	-.558	0.702	5.71	10.7	24.5	49.9	100
R.T.:		21.149	21.149	21.148	21.149	21.149	21.149

CONC = -5.5762E-01+ 1.2160E-04*RESP+ 4.7223E-11*RESP**2+ *RESP**3
95% C.I.= 7.7883E-01 7.9559E-06 1.1974E-11
CORRELATION COEFFICIENT = .9999

STORET: 39320 METHOD: 8080/3520-G DDE,PP', UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1.4 DATE: 06/14/94 LARGEST RESP=296114 %RSD=35.3768 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5287	12886	23154	60656	163114	296114
CONC':	1.39	3.00	5.33	8.50	20.2	53.4	99.2
R.T.:		24.181	24.179	24.184	24.185	24.183	24.182

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ESE BATCH       : G50052
    CONC     =   1.3898E+00+  3.0491E-04*RESP+  8.5520E-11*RESP**2+            *RESP**3
    95% C.I.=    3.6473E+00   9.5398E-05        3.2381E-10
    CORRELATION COEFFICIENT = .9973

  CALIBRATION CURVE # 2   (UG/L)
    DETECTION LIMIT=1  DATE: 06/14/94  LARGEST RESP=494768 %RSD=21.0956  RT WINDOW:
   CONC :          0         1         5        10        25        50       100
   RESP :          0      7797     31644     64524    122351    231601    494768
   CONC':      -1.54     0.210      5.52      12.8      25.3      48.4       100
    R.T.:             21.963    21.964    21.963    21.965    21.966    21.965

    CONC     =  -1.5364E+00+  2.2427E-04*RESP+ -3.7355E-11*RESP**2+            *RESP**3
    95% C.I.=    2.2038E+00   3.1333E-05        6.1822E-11
    CORRELATION COEFFICIENT = .9991

STORET: 39380 METHOD: 8080/3520-G  DIELDRIN, UG/L  QUAD

  CALIBRATION CURVE # 1   (UG/L)
    DETECTION LIMIT=1.5  DATE: 06/14/94  LARGEST RESP=269199 %RSD=21.7849  RT WINDOW:
   CONC :          0         1         5        10        25        50       100
   RESP :          0      3493     11341     20030     53180    144592    269199
   CONC':       1.48      2.71      5.47      8.54      20.3      53.2      99.3
    R.T.:             24.437    24.433    24.441    24.443    24.438    24.438

    CONC     =   1.4793E+00+  3.5177E-04*RESP+  4.2549E-11*RESP**2+            *RESP**3
    95% C.I.=    3.4721E+00   1.0074E-04        3.7610E-10
    CORRELATION COEFFICIENT = .9975

  CALIBRATION CURVE # 2   (UG/L)
    DETECTION LIMIT=1  DATE: 06/14/94  LARGEST RESP=583157 %RSD=19.3219  RT WINDOW:
   CONC :          0         1         5        10        25        50       100
   RESP :          0      8737     36835     75096    142326    272715    583157
   CONC':      -1.47     0.202      5.54      12.7      25.2      48.6       100
    R.T.:             22.150    22.150    22.150    22.151    22.152    22.150

    CONC     =  -1.4677E+00+  1.9132E-04*RESP+ -2.8948E-11*RESP**2+            *RESP**3
    95% C.I.=    2.1171E+00   2.5661E-05        4.2977E-11
    CORRELATION COEFFICIENT = .9992

STORET: 39390 METHOD: 8080/3520-G  ENDRIN, UG/L  QUAD

  CALIBRATION CURVE # 1   (UG/L)
    DETECTION LIMIT=1.7  DATE: 06/14/94  LARGEST RESP=77054 %RSD=14.9343  RT WINDOW:
   CONC :          0         1         5        10        25        50       100
   RESP :          0      1016      4076      7063     17963     46532     77054
   CONC':       1.65      2.60      5.52      8.45      19.8      54.2      98.7
    R.T.:             25.400    25.397    25.403    25.404    25.401    25.402

    CONC     =   1.6526E+00+  9.3246E-04*RESP+  4.2517E-09*RESP**2+            *RESP**3
    95% C.I.=    4.1615E+00   4.0962E-04        5.3732E-09
    CORRELATION COEFFICIENT = .9966

  CALIBRATION CURVE # 2   (UG/L)
    DETECTION LIMIT=1  DATE: 06/14/94  LARGEST RESP=387642 %RSD=21.5361  RT WINDOW:
   CONC :          0         1         5        10        25        50       100
   RESP :          0      6048     25436     51301     95478    176970    387642
   CONC':      -1.78     0.003      5.68      13.2      25.7      47.9       100
    R.T.:             22.997    22.997    22.996    22.998    22.998    22.998

    CONC     =  -1.7810E+00+  2.9550E-04*RESP+ -8.2749E-11*RESP**2+            *RESP**3
    95% C.I.=    2.6398E+00   4.7940E-05        1.2036E-10
    CORRELATION COEFFICIENT = .9988

STORET: 39310 METHOD: 8080/3520-G  DDD,PP', UG/L  QUAD

  CALIBRATION CURVE # 1   (UG/L)
    DETECTION LIMIT=1.8  DATE: 06/14/94  LARGEST RESP=132613 %RSD=12.1547  RT WINDOW:
   CONC :          0         1         5        10        25        50       100
   RESP :          0      1553      6929     12142     30382     80645    132613
   CONC':       1.79      2.63      5.56      8.50      19.4      54.5      98.6
    R.T.:             25.569    25.566    25.573    25.574    25.570    25.570

    CONC     =   1.7929E+00+  5.3410E-04*RESP+  1.4798E-09*RESP**2+            *RESP**3
    95% C.I.=    4.4058E+00   2.5384E-04        1.9369E-09
    CORRELATION COEFFICIENT = .9961

  CALIBRATION CURVE # 2   (UG/L)
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ESE BATCH : G50052
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=248297 %RSD=22.4025 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3963	14943	31558	59857	111845	248297
CONC':	-1.67	0.204	5.34	13.0	25.7	48.1	100
R.T.:		23.475	23.476	23.475	23.479	23.478	23.478

CONC = -1.6659E+00+ 4.7277E-04*RESP+ -2.5019E-10*RESP**2+ *RESP**3
95% C.I.= 2.4354E+00 6.9959E-05 2.7432E-10
CORRELATION COEFFICIENT = .9990

STORET: 34356 METHOD: 8080/3520-G ENDOSULFAN,B, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=129259 %RSD=52.8159 RT WINDOW:

CONC :	0	1	5	10	25	100
RESP :	0	3352	7321	12434	32095	129259
CONC':	-.700	2.02	5.23	9.36	25.1	100.0
R.T.:		25.894	25.838	25.848	25.848	25.842

CONC = -6.9988E-01+ 8.1190E-04*RESP+ -2.5417E-10*RESP**2+ *RESP**3
95% C.I.= 1.0479E+00 8.3478E-05 6.1483E-10
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=374446 %RSD=27.7339 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	7150	27137	56601	102262	182757	374446
CONC':	-1.79	0.125	5.48	13.4	25.7	47.6	100
R.T.:		23.291	23.292	23.292	23.292	23.292	23.291

CONC = -1.7890E+00+ 2.6766E-04*RESP+ 1.4269E-11*RESP**2+ *RESP**3
95% C.I.= 2.8716E+00 5.1541E-05 1.3434E-10
CORRELATION COEFFICIENT = .9986

STORET: 39300 METHOD: 8080/3520-G DDT,PP', UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=2.2 DATE: 06/14/94 LARGEST RESP=133251 %RSD=19.5836 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1858	6448	11501	30692	83321	133251
CONC':	2.16	3.08	5.40	8.04	18.9	55.1	98.3
R.T.:		26.323	26.321	26.331	26.332	26.327	26.328

CONC = 2.1644E+00+ 4.9100E-04*RESP+ 1.7321E-09*RESP**2+ *RESP**3
95% C.I.= 4.9637E+00 2.8901E-04 2.2022E-09
CORRELATION COEFFICIENT = .9950

STORET: 34366 METHOD: 8080/3520-G ENDRIN ALDEHYDE, UG/L QUAD

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=309377 %RSD=27.6892 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5884	21328	46072	84248	149080	309377
CONC':	-1.77	0.170	5.26	13.4	26.0	47.4	100
R.T.:		23.805	23.806	23.804	23.807	23.807	23.805

CONC = -1.7704E+00+ 3.2980E-04*RESP+ 1.8750E-12*RESP**2+ *RESP**3
95% C.I.= 2.9352E+00 6.4065E-05 2.0207E-10
CORRELATION COEFFICIENT = .9985

STORET: 34351 METHOD: 8080/3520-G ENDOSULFAN SULFATE, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=131733 %RSD=12.8773 RT WINDOW:

CONC :	0	1	5	10	25	100
RESP :	0	1626	6749	11560	31934	131733
CONC':	-.041	1.26	5.36	9.19	25.2	100.0
R.T.:		26.979	26.975	26.984	26.985	26.980

CONC = -4.0872E-02+ 8.0208E-04*RESP+ -3.2433E-10*RESP**2+ *RESP**3
95% C.I.= 6.7609E-01 5.4878E-05 3.9892E-10
CORRELATION COEFFICIENT = .9999

STORET: 39480 METHOD: 8080/3520-G METHOXYCHLOR, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=60323 %RSD=36.2461 RT WINDOW:

ESE BATCH : G50052

CONC :	0	1	5	10	25	100
RESP :	0	1150	3075	5417	14666	60323
CONC':	-.300	1.73	5.12	9.22	25.2	100.0
R.T.:		28.565	28.553	28.566	28.566	28.560

CONC = -2.9994E-01+ 1.7669E-03*RESP+ -1.7293E-09*RESP**2+ *RESP**3
95% C.I.= 8.2038E-01 1.4440E-04 2.2875E-09
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=1 DATE: 06/14/94 LARGEST RESP=136175 %RSD=22.1031 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2268	8291	19245	36916	65858	136175
CONC':	-1.37	0.322	4.81	13.0	26.1	47.7	100
R.T.:		25.713	25.713	25.708	25.716	25.716	25.713

CONC = -1.3658E+00+ 7.4431E-04*RESP+ 2.1291E-11*RESP**2+ *RESP**3
95% C.I.= 2.5054E+00 1.2563E-04 9.0383E-10
CORRELATION COEFFICIENT = .9989

STORET: 96342 METHOD: SUR DECACHLOROBIPHENYL, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=4 DATE: 06/14/94 LARGEST RESP=612181 %RSD=21.8719 RT WINDOW:

CONC :	0	4	20	40	100	400
RESP :	0	9643	36205	58944	157940	612181
CONC':	-.953	5.22	22.2	36.8	101	400
R.T.:		33.327	33.320	33.333	33.333	33.323

CONC = -9.5331E-01+ 6.3961E-04*RESP+ 2.5010E-11*RESP**2+ *RESP**3
95% C.I.= 3.0434E+00 5.0252E-05 7.8401E-11
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (UG/L)
DETECTION LIMIT=4 DATE: 06/14/94 LARGEST RESP=1035024 %RSD=42.9518 RT WINDOW:

CONC :	0	4	20	40	100	200	400
RESP :	0	29106	81531	175306	325244	540966	1035024
CONC':	-6.92	2.56	19.9	52.0	106	188	402
R.T.:		30.323	30.322	30.314	30.326	30.324	30.317

CONC = -6.9217E+00+ 3.2387E-04*RESP+ 6.9027E-11*RESP**2+ *RESP**3
95% C.I.= 1.1875E+01 7.3418E-05 6.9481E-11
CORRELATION COEFFICIENT = .9986

STORET: 39350 METHOD: 8080/3520-G CHLORDANE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 06/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39400 METHOD: 8080/3520-G TOXAPHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 06/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34671 METHOD: 8080/3520-G PCB-1016, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39488 METHOD: 8080/3520-G PCB-1221, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39492 METHOD: 8080/3520-G PCB-1232, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39496 METHOD: 8080/3520-G PCB-1242, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39500 METHOD: 8080/3520-G PCB 1248, UG/L FINAL

CALIBRATION CURVE # 1

ESE BATCH : G50052
DETECTION LIMIT=20 DATE: 06/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39504 METHOD: 8080/3520-G PCB-1254, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39508 METHOD: 8080/3520-G PCB-1260, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 06/14/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G50052

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/16/94	CCS*IND6*2	39337*8080/3520-G	BHC,A	UG/L	447000	412000	92.2	80-120
06/16/94	CCS*IND6*2	39340*8080/3520-G	BHC,G(LINDANE)	UG/L	383000	340000	88.8	80-120
06/16/94	CCS*IND6*2	39338*8080/3520-G	BHC,B	UG/L	228000	200000	87.7	80-120
06/16/94	CCS*IND6*2	39410*8080/3520-G	HEPTACHLOR	UG/L	590000	535000	90.7	80-120
06/16/94	CCS*IND6*2	34259*8080/3520-G	BHC,D	UG/L	207000	177000	85.5	80-120
06/16/94	CCS*IND6*2	39330*8080/3520-G	ALDRIN	UG/L	513000	440000	85.8	80-120
06/16/94	CCS*IND6*2	39420*8080/3520-G	HEPTACHLOR EPOXIDE	UG/L	385000	323000	83.9	80-120
06/16/94	CCS*IND6*2	34361*8080/3520-G	ENDOSULFAN,A	UG/L	306000	248000	81.0	80-120
06/16/94	CCS*IND6*2	39320*8080/3520-G	DDE,PP'	UG/L	296000	257000	86.8	80-120
06/16/94	CCS*IND6*2	39380*8080/3520-G	DIELDRIN	UG/L	269000	230000	85.5	80-120
06/16/94	CCS*IND6*2	39390*8080/3520-G	ENDRIN	UG/L	77100	83200	108	80-120
06/16/94	CCS*IND6*2	39310*8080/3520-G	DDD,PP'	UG/L	133000	125000	94.0	80-120
06/16/94	CCS*IND6*2	34356*8080/3520-G	ENDOSULFAN,B	UG/L	129000	136000	105	80-120
06/16/94	CCS*IND6*2	39300*8080/3520-G	DDT,PP'	UG/L	133000	134000	101	80-120
06/16/94	CCS*IND6*2	34366*8080/3520-G	ENDRIN ALDEHYDE	UG/L		ND		80-120
06/16/94	CCS*IND6*2	34351*8080/3520-G	ENDOSULFAN SULFATE	UG/L	132000	139000	105	80-120
06/16/94	CCS*IND6*2	39480*8080/3520-G	METHOXYCHLOR	UG/L	60300	71800	119	80-120
06/16/94	CCS*IND6*2	39350*8080/3520-G	CHLORDANE	UG/L		T*1		80-120
06/16/94	CCS*IND6*2	39400*8080/3520-G	TOXAPHENE	UG/L		T*1		80-120
06/16/94	CCS*IND6*2	34671*8080/3520-G	PCB-1016	UG/L		T*1		80-120
06/16/94	CCS*IND6*2	39488*8080/3520-G	PCB-1221	UG/L		T*1		80-120
06/16/94	CCS*IND6*2	39492*8080/3520-G	PCB-1232	UG/L		T*1		80-120
06/16/94	CCS*IND6*2	39496*8080/3520-G	PCB-1242	UG/L		T*1		80-120
06/16/94	CCS*IND6*2	39500*8080/3520-G	PCB 1248	UG/L		T*1		80-120
06/16/94	CCS*IND6*2	39504*8080/3520-G	PCB-1254	UG/L		T*1		80-120
06/16/94	CCS*IND6*2	39508*8080/3520-G	PCB-1260	UG/L		T*1		80-120
06/16/94	CCS*IND6*3	39337*8080/3520-G	BHC,A	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39340*8080/3520-G	BHC,G(LINDANE)	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39338*8080/3520-G	BHC,B	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39410*8080/3520-G	HEPTACHLOR	UG/L		ND		80-120
06/16/94	CCS*IND6*3	34259*8080/3520-G	BHC,D	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39330*8080/3520-G	ALDRIN	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39420*8080/3520-G	HEPTACHLOR EPOXIDE	UG/L		ND		80-120
06/16/94	CCS*IND6*3	34361*8080/3520-G	ENDOSULFAN,A	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39320*8080/3520-G	DDE,PP'	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39380*8080/3520-G	DIELDRIN	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39390*8080/3520-G	ENDRIN	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39310*8080/3520-G	DDD,PP'	UG/L		ND		80-120
06/16/94	CCS*IND6*3	34356*8080/3520-G	ENDOSULFAN,B	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39300*8080/3520-G	DDT,PP'	UG/L	133000	155000	117	80-120
06/16/94	CCS*IND6*3	34366*8080/3520-G	ENDRIN ALDEHYDE	UG/L		ND		80-120
06/16/94	CCS*IND6*3	34351*8080/3520-G	ENDOSULFAN SULFATE	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39480*8080/3520-G	METHOXYCHLOR	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39350*8080/3520-G	CHLORDANE	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39400*8080/3520-G	TOXAPHENE	UG/L		ND		80-120
06/16/94	CCS*IND6*3	34671*8080/3520-G	PCB-1016	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39488*8080/3520-G	PCB-1221	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39492*8080/3520-G	PCB-1232	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39496*8080/3520-G	PCB-1242	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39500*8080/3520-G	PCB 1248	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39504*8080/3520-G	PCB-1254	UG/L		ND		80-120
06/16/94	CCS*IND6*3	39508*8080/3520-G	PCB-1260	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39337*8080/3520-G	BHC,A	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39340*8080/3520-G	BHC,G(LINDANE)	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39338*8080/3520-G	BHC,B	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39410*8080/3520-G	HEPTACHLOR	UG/L		ND		80-120
06/16/94	CCS*IND6*4	34259*8080/3520-G	BHC,D	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39330*8080/3520-G	ALDRIN	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39420*8080/3520-G	HEPTACHLOR EPOXIDE	UG/L		ND		80-120
06/16/94	CCS*IND6*4	34361*8080/3520-G	ENDOSULFAN,A	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39320*8080/3520-G	DDE,PP'	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39380*8080/3520-G	DIELDRIN	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39390*8080/3520-G	ENDRIN	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39310*8080/3520-G	DDD,PP'	UG/L		ND		80-120
06/16/94	CCS*IND6*4	34356*8080/3520-G	ENDOSULFAN,B	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39300*8080/3520-G	DDT,PP'	UG/L	133000	129000	97.0	80-120
06/16/94	CCS*IND6*4	34366*8080/3520-G	ENDRIN ALDEHYDE	UG/L		ND		80-120
06/16/94	CCS*IND6*4	34351*8080/3520-G	ENDOSULFAN SULFATE	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39480*8080/3520-G	METHOXYCHLOR	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39350*8080/3520-G	CHLORDANE	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39400*8080/3520-G	TOXAPHENE	UG/L		ND		80-120
06/16/94	CCS*IND6*4	34671*8080/3520-G	PCB-1016	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39488*8080/3520-G	PCB-1221	UG/L		ND		80-120

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Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/16/94	CCS*IND6*4	39492*8080/3520-G	PCB-1232	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39496*8080/3520-G	PCB-1242	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39500*8080/3520-G	PCB 1248	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39504*8080/3520-G	PCB-1254	UG/L		ND		80-120
06/16/94	CCS*IND6*4	39508*8080/3520-G	PCB-1260	UG/L		ND		80-120
06/16/94	CCS*IND6*2*C	39337*8080/3520-G	BHC,A	UG/L	1090000	1160000	106	80-120
06/16/94	CCS*IND6*2*C	39340*8080/3520-G	BHC,G(LINDANE)	UG/L	915000	976000	107	80-120
06/16/94	CCS*IND6*2*C	39338*8080/3520-G	BHC,B	UG/L	445000	474000	107	80-120
06/16/94	CCS*IND6*2*C	39410*8080/3520-G	HEPTACHLOR	UG/L	1060000	1160000	109	80-120
06/16/94	CCS*IND6*2*C	34259*8080/3520-G	BHC,D	UG/L	671000	712000	106	80-120
06/16/94	CCS*IND6*2*C	39330*8080/3520-G	ALDRIN	UG/L	839000	926000	110	80-120
06/16/94	CCS*IND6*2*C	39420*8080/3520-G	HEPTACHLOR EPOXIDE	UG/L	766000	843000	110	80-120
06/16/94	CCS*IND6*2*C	34361*8080/3520-G	ENDOSULFAN,A	UG/L	659000	751000	114	80-120
06/16/94	CCS*IND6*2*C	39320*8080/3520-G	DDE,PP'	UG/L	495000	575000	116	80-120
06/16/94	CCS*IND6*2*C	39380*8080/3520-G	DIELDRIN	UG/L	583000	645000	111	80-120
06/16/94	CCS*IND6*2*C	39390*8080/3520-G	ENDRIN	UG/L	388000	485000	125	80-120
06/16/94	CCS*IND6*2*C	39310*8080/3520-G	DDD,PP'	UG/L	248000	286000	115	80-120
06/16/94	CCS*IND6*2*C	34356*8080/3520-G	ENDOSULFAN,B	UG/L	374000	354000	94.7	80-120
06/16/94	CCS*IND6*2*C	39300*8080/3520-G	DDT,PP'	UG/L		ND		80-120
06/16/94	CCS*IND6*2*C	34366*8080/3520-G	ENDRIN ALDEHYDE	UG/L	309000	314000	102	80-120
06/16/94	CCS*IND6*2*C	34351*8080/3520-G	ENDOSULFAN SULFATE	UG/L		ND		80-120
06/16/94	CCS*IND6*2*C	39480*8080/3520-G	METHOXYCHLOR	UG/L	136000	153000	113	80-120
06/16/94	CCS*IND6*2*C	39350*8080/3520-G	CHLORDANE	UG/L		T*1		80-120
06/16/94	CCS*IND6*2*C	39400*8080/3520-G	TOXAPHENE	UG/L		T*1		80-120
06/16/94	CCS*IND6*2*C	34671*8080/3520-G	PCB-1016	UG/L		T*1		80-120
06/16/94	CCS*IND6*2*C	39488*8080/3520-G	PCB-1221	UG/L		T*1		80-120
06/16/94	CCS*IND6*2*C	39492*8080/3520-G	PCB-1232	UG/L		T*1		80-120
06/16/94	CCS*IND6*2*C	39496*8080/3520-G	PCB-1242	UG/L		T*1		80-120
06/16/94	CCS*IND6*2*C	39500*8080/3520-G	PCB 1248	UG/L		T*1		80-120
06/16/94	CCS*IND6*2*C	39504*8080/3520-G	PCB-1254	UG/L		T*1		80-120
06/16/94	CCS*IND6*2*C	39508*8080/3520-G	PCB-1260	UG/L		T*1		80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
06/15/94	MB*QC*1	39337*8080/3520-G	BHC,A	UG/L	ND
06/15/94	MB*QC*1	39340*8080/3520-G	BHC,G(LINDANE)	UG/L	ND
06/15/94	MB*QC*1	39338*8080/3520-G	BHC,B	UG/L	ND
06/15/94	MB*QC*1	39410*8080/3520-G	HEPTACHLOR	UG/L	ND
06/15/94	MB*QC*1	34259*8080/3520-G	BHC,D	UG/L	ND
06/15/94	MB*QC*1	39330*8080/3520-G	ALDRIN	UG/L	ND
06/15/94	MB*QC*1	39420*8080/3520-G	HEPTACHLOR EPOXIDE	UG/L	ND
06/15/94	MB*QC*1	34361*8080/3520-G	ENDOSULFAN,A	UG/L	ND
06/15/94	MB*QC*1	39320*8080/3520-G	DDE,PP'	UG/L	ND
06/15/94	MB*QC*1	39380*8080/3520-G	DIELDRIN	UG/L	ND
06/15/94	MB*QC*1	39390*8080/3520-G	ENDRIN	UG/L	ND
06/15/94	MB*QC*1	39310*8080/3520-G	DDD,PP'	UG/L	ND
06/15/94	MB*QC*1	34356*8080/3520-G	ENDOSULFAN,B	UG/L	ND
06/15/94	MB*QC*1	39300*8080/3520-G	DDT,PP'	UG/L	ND
06/15/94	MB*QC*1	34366*8080/3520-G	ENDRIN ALDEHYDE	UG/L	ND
06/15/94	MB*QC*1	34351*8080/3520-G	ENDOSULFAN SULFATE	UG/L	ND
06/15/94	MB*QC*1	39480*8080/3520-G	METHOXYCHLOR	UG/L	ND
06/15/94	MB*QC*1	39350*8080/3520-G	CHLORDANE	UG/L	ND
06/15/94	MB*QC*1	39400*8080/3520-G	TOXAPHENE	UG/L	ND
06/15/94	MB*QC*1	34671*8080/3520-G	PCB-1016	UG/L	ND
06/15/94	MB*QC*1	39488*8080/3520-G	PCB-1221	UG/L	ND
06/15/94	MB*QC*1	39492*8080/3520-G	PCB-1232	UG/L	ND
06/15/94	MB*QC*1	39496*8080/3520-G	PCB-1242	UG/L	ND
06/15/94	MB*QC*1	39500*8080/3520-G	PCB 1248	UG/L	ND
06/15/94	MB*QC*1	39504*8080/3520-G	PCB-1254	UG/L	ND
06/15/94	MB*QC*1	39508*8080/3520-G	PCB-1260	UG/L	ND
06/15/94	MB*QC*1*C	39337*8080/3520-G	BHC,A	UG/L	ND
06/15/94	MB*QC*1*C	39340*8080/3520-G	BHC,G(LINDANE)	UG/L	ND
06/15/94	MB*QC*1*C	39338*8080/3520-G	BHC,B	UG/L	ND
06/15/94	MB*QC*1*C	39410*8080/3520-G	HEPTACHLOR	UG/L	ND
06/15/94	MB*QC*1*C	34259*8080/3520-G	BHC,D	UG/L	ND
06/15/94	MB*QC*1*C	39330*8080/3520-G	ALDRIN	UG/L	ND
06/15/94	MB*QC*1*C	39420*8080/3520-G	HEPTACHLOR EPOXIDE	UG/L	ND
06/15/94	MB*QC*1*C	34361*8080/3520-G	ENDOSULFAN,A	UG/L	ND
06/15/94	MB*QC*1*C	39320*8080/3520-G	DDE,PP'	UG/L	ND
06/15/94	MB*QC*1*C	39380*8080/3520-G	DIELDRIN	UG/L	ND
06/15/94	MB*QC*1*C	39390*8080/3520-G	ENDRIN	UG/L	ND
06/15/94	MB*QC*1*C	39310*8080/3520-G	DDD,PP'	UG/L	ND

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Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
06/15/94	MB*QC*1*C	34356*8080/3520-G	ENDOSULFAN,B	UG/L	ND
06/15/94	MB*QC*1*C	39300*8080/3520-G	DDT,PP'	UG/L	ND
06/15/94	MB*QC*1*C	34366*8080/3520-G	ENDRIN ALDEHYDE	UG/L	ND
06/15/94	MB*QC*1*C	34351*8080/3520-G	ENDOSULFAN SULFATE	UG/L	ND
06/15/94	MB*QC*1*C	39480*8080/3520-G	METHOXYCHLOR	UG/L	ND
06/15/94	MB*QC*1*C	39350*8080/3520-G	CHLORDANE	UG/L	ND
06/15/94	MB*QC*1*C	39400*8080/3520-G	TOXAPHENE	UG/L	ND
06/15/94	MB*QC*1*C	34671*8080/3520-G	PCB-1016	UG/L	ND
06/15/94	MB*QC*1*C	39488*8080/3520-G	PCB-1221	UG/L	ND
06/15/94	MB*QC*1*C	39492*8080/3520-G	PCB-1232	UG/L	ND
06/15/94	MB*QC*1*C	39496*8080/3520-G	PCB-1242	UG/L	ND
06/15/94	MB*QC*1*C	39500*8080/3520-G	PCB 1248	UG/L	ND
06/15/94	MB*QC*1*C	39504*8080/3520-G	PCB-1254	UG/L	ND
06/15/94	MB*QC*1*C	39508*8080/3520-G	PCB-1260	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
06/15/94	SP1*QC*1	39337*8080/3520-G	BHC,A		80-120	UG/L		ND
06/15/94	SP1*QC*1	39340*8080/3520-G	BHC,G(LINDANE)	108.0	43-145	UG/L	0.250	0.270
06/15/94	SP1*QC*1	39338*8080/3520-G	BHC,B		80-120	UG/L		ND
06/15/94	SP1*QC*1	39410*8080/3520-G	HEPTACHLOR	91.6	48-124	UG/L	0.250	0.229
06/15/94	SP1*QC*1	34259*8080/3520-G	BHC,D		80-120	UG/L		ND
06/15/94	SP1*QC*1	39330*8080/3520-G	ALDRIN	86.8	37-127	UG/L	0.250	0.217
06/15/94	SP1*QC*1	39420*8080/3520-G	HEPTACHLOR EPOXIDE		80-120	UG/L		ND
06/15/94	SP1*QC*1	34361*8080/3520-G	ENDOSULFAN,A		80-120	UG/L		ND
06/15/94	SP1*QC*1	39320*8080/3520-G	DDE,PP'		80-120	UG/L		ND
06/15/94	SP1*QC*1	39380*8080/3520-G	DIELDRIN	72.4	56-142	UG/L	0.500	0.362
06/15/94	SP1*QC*1	39390*8080/3520-G	ENDRIN	87.8	35-155	UG/L	0.500	0.439
06/15/94	SP1*QC*1	39310*8080/3520-G	DDD,PP'		80-120	UG/L		ND
06/15/94	SP1*QC*1	34356*8080/3520-G	ENDOSULFAN,B		80-120	UG/L		ND
06/15/94	SP1*QC*1	39300*8080/3520-G	DDT,PP'	77.8	46-152	UG/L	0.500	0.389
06/15/94	SP1*QC*1	34366*8080/3520-G	ENDRIN ALDEHYDE		80-120	UG/L		ND
06/15/94	SP1*QC*1	34351*8080/3520-G	ENDOSULFAN SULFATE		80-120	UG/L		ND
06/15/94	SP1*QC*1	39480*8080/3520-G	METHOXYCHLOR		80-120	UG/L		ND
06/15/94	SP1*QC*1	39350*8080/3520-G	CHLORDANE		80-120	UG/L		ND
06/15/94	SP1*QC*1	39400*8080/3520-G	TOXAPHENE		80-120	UG/L		ND
06/15/94	SP1*QC*1	34671*8080/3520-G	PCB-1016		80-120	UG/L		ND
06/15/94	SP1*QC*1	39488*8080/3520-G	PCB-1221		80-120	UG/L		ND
06/15/94	SP1*QC*1	39492*8080/3520-G	PCB-1232		80-120	UG/L		ND
06/15/94	SP1*QC*1	39496*8080/3520-G	PCB-1242		80-120	UG/L		ND
06/15/94	SP1*QC*1	39500*8080/3520-G	PCB 1248		80-120	UG/L		ND
06/15/94	SP1*QC*1	39504*8080/3520-G	PCB-1254		80-120	UG/L		ND
06/15/94	SP1*QC*1	39508*8080/3520-G	PCB-1260		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39337*8080/3520-G	BHC,A		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39340*8080/3520-G	BHC,G(LINDANE)	98.0	43-145	UG/L	0.250	0.245
06/15/94	SP1*QC*1*C	39338*8080/3520-G	BHC,B		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39410*8080/3520-G	HEPTACHLOR	85.2	48-124	UG/L	0.250	0.213
06/15/94	SP1*QC*1*C	34259*8080/3520-G	BHC,D		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39330*8080/3520-G	ALDRIN	83.6	37-127	UG/L	0.250	0.209
06/15/94	SP1*QC*1*C	39420*8080/3520-G	HEPTACHLOR EPOXIDE		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	34361*8080/3520-G	ENDOSULFAN,A		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39320*8080/3520-G	DDE,PP'		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39380*8080/3520-G	DIELDRIN	91.4	56-142	UG/L	0.500	0.457
06/15/94	SP1*QC*1*C	39390*8080/3520-G	ENDRIN	111.8	35-155	UG/L	0.500	0.559
06/15/94	SP1*QC*1*C	39310*8080/3520-G	DDD,PP'		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	34356*8080/3520-G	ENDOSULFAN,B		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39300*8080/3520-G	DDT,PP'		46-152	UG/L		ND
06/15/94	SP1*QC*1*C	34366*8080/3520-G	ENDRIN ALDEHYDE		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	34351*8080/3520-G	ENDOSULFAN SULFATE		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39480*8080/3520-G	METHOXYCHLOR		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39350*8080/3520-G	CHLORDANE		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39400*8080/3520-G	TOXAPHENE		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	34671*8080/3520-G	PCB-1016		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39488*8080/3520-G	PCB-1221		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39492*8080/3520-G	PCB-1232		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39496*8080/3520-G	PCB-1242		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39500*8080/3520-G	PCB 1248		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39504*8080/3520-G	PCB-1254		80-120	UG/L		ND
06/15/94	SP1*QC*1*C	39508*8080/3520-G	PCB-1260		80-120	UG/L		ND

ESE BATCH : G50052

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
06/15/94	SPM1*CDMHNSW*14	39337*8080/3520-G	BHC,A		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39340*8080/3520-G	BHC,G(LINDANE)	101.7	43-145	0.003	UG/L	0.521	0.530
06/15/94	SPM1*CDMHNSW*14	39338*8080/3520-G	BHC,B		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39410*8080/3520-G	HEPTACHLOR	55.5	48-124	0.003	UG/L	0.521	0.289
06/15/94	SPM1*CDMHNSW*14	34259*8080/3520-G	BHC,D		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39330*8080/3520-G	ALDRIN	39.3	37-127	0.005	UG/L	0.521	0.205
06/15/94	SPM1*CDMHNSW*14	39420*8080/3520-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	34361*8080/3520-G	ENDOSULFAN,A		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39320*8080/3520-G	DDE,PP'		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39380*8080/3520-G	DIELDRIN	80.2	56-142	0.018	UG/L	1.04	0.834
06/15/94	SPM1*CDMHNSW*14	39390*8080/3520-G	ENDRIN	103.8	35-155	0.008	UG/L	1.04	1.08
06/15/94	SPM1*CDMHNSW*14	39310*8080/3520-G	DDD,PP'		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	34356*8080/3520-G	ENDOSULFAN,B		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39300*8080/3520-G	DDT,PP'	138.5	46-152	0.581	UG/L	1.04	1.44
06/15/94	SPM1*CDMHNSW*14	34366*8080/3520-G	ENDRIN ALDEHYDE		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	34351*8080/3520-G	ENDOSULFAN SULFATE		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39480*8080/3520-G	METHOXYCHLOR		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39350*8080/3520-G	CHLORDANE		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39400*8080/3520-G	TOXAPHENE		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	34671*8080/3520-G	PCB-1016		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39488*8080/3520-G	PCB-1221		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39492*8080/3520-G	PCB-1232		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39496*8080/3520-G	PCB-1242		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39500*8080/3520-G	PCB 1248		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39504*8080/3520-G	PCB-1254		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14	39508*8080/3520-G	PCB-1260		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39337*8080/3520-G	BHC,A		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39340*8080/3520-G	BHC,G(LINDANE)	95.2	43-145	0.003	UG/L	0.521	0.496
06/15/94	SPM2*CDMHNSW*14	39338*8080/3520-G	BHC,B		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39410*8080/3520-G	HEPTACHLOR	48.2	48-124	0.003	UG/L	0.521	0.251
06/15/94	SPM2*CDMHNSW*14	34259*8080/3520-G	BHC,D		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39330*8080/3520-G	ALDRIN	34.5	37-127	0.005	UG/L	0.521	0.180
06/15/94	SPM2*CDMHNSW*14	39420*8080/3520-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	34361*8080/3520-G	ENDOSULFAN,A		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39320*8080/3520-G	DDE,PP'		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39380*8080/3520-G	DIELDRIN	83.8	56-142	0.018	UG/L	1.04	0.871
06/15/94	SPM2*CDMHNSW*14	39390*8080/3520-G	ENDRIN	98.1	35-155	0.008	UG/L	1.04	1.02
06/15/94	SPM2*CDMHNSW*14	39310*8080/3520-G	DDD,PP'		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	34356*8080/3520-G	ENDOSULFAN,B		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39300*8080/3520-G	DDT,PP'	113.5	46-152	0.581	UG/L	1.04	1.18
06/15/94	SPM2*CDMHNSW*14	34366*8080/3520-G	ENDRIN ALDEHYDE		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	34351*8080/3520-G	ENDOSULFAN SULFATE		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39480*8080/3520-G	METHOXYCHLOR		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39350*8080/3520-G	CHLORDANE		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39400*8080/3520-G	TOXAPHENE		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	34671*8080/3520-G	PCB-1016		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39488*8080/3520-G	PCB-1221		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39492*8080/3520-G	PCB-1232		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39496*8080/3520-G	PCB-1242		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39500*8080/3520-G	PCB 1248		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39504*8080/3520-G	PCB-1254		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14	39508*8080/3520-G	PCB-1260		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39337*8080/3520-G	BHC,A		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39340*8080/3520-G	BHC,G(LINDANE)	120.2	43-145	0.003	UG/L	0.521	0.626
06/15/94	SPM1*CDMHNSW*14*C	39338*8080/3520-G	BHC,B		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39410*8080/3520-G	HEPTACHLOR	68.9	48-124	0.003	UG/L	0.521	0.359
06/15/94	SPM1*CDMHNSW*14*C	34259*8080/3520-G	BHC,D		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39330*8080/3520-G	ALDRIN	50.7	37-127	0.005	UG/L	0.521	0.264
06/15/94	SPM1*CDMHNSW*14*C	39420*8080/3520-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	34361*8080/3520-G	ENDOSULFAN,A		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39320*8080/3520-G	DDE,PP'		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39380*8080/3520-G	DIELDRIN	80.0	56-142	0.0	UG/L	1.04	0.832
06/15/94	SPM1*CDMHNSW*14*C	39390*8080/3520-G	ENDRIN	102.9	35-155	0.008	UG/L	1.04	1.07
06/15/94	SPM1*CDMHNSW*14*C	39310*8080/3520-G	DDD,PP'		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	34356*8080/3520-G	ENDOSULFAN,B		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39300*8080/3520-G	DDT,PP'		46-152	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	34366*8080/3520-G	ENDRIN ALDEHYDE		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	34351*8080/3520-G	ENDOSULFAN SULFATE		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39480*8080/3520-G	METHOXYCHLOR		80-120	0.0	UG/L		ND

ESE BATCH : G50052

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
06/15/94	SPM1*CDMHNSW*14*C	39350*8080/3520-G	CHLORDANE		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39400*8080/3520-G	TOXAPHENE		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	34671*8080/3520-G	PCB-1016		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39488*8080/3520-G	PCB-1221		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39492*8080/3520-G	PCB-1232		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39496*8080/3520-G	PCB-1242		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39500*8080/3520-G	PCB 1248		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39504*8080/3520-G	PCB-1254		80-120	0.0	UG/L		ND
06/15/94	SPM1*CDMHNSW*14*C	39508*8080/3520-G	PCB-1260		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39337*8080/3520-G	BHC,A		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39340*8080/3520-G	BHC,G(LINDANE)	117.5	43-145	0.003	UG/L	0.521	0.612
06/15/94	SPM2*CDMHNSW*14*C	39338*8080/3520-G	BHC,B		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39410*8080/3520-G	HEPTACHLOR	62.8	48-124	0.003	UG/L	0.521	0.327
06/15/94	SPM2*CDMHNSW*14*C	34259*8080/3520-G	BHC,D		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39330*8080/3520-G	ALDRIN	44.9	37-127	0.005	UG/L	0.521	0.234
06/15/94	SPM2*CDMHNSW*14*C	39420*8080/3520-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	34361*8080/3520-G	ENDOSULFAN,A		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39320*8080/3520-G	DDE,PP'		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39380*8080/3520-G	DIELDRIN	83.2	56-142	0.0	UG/L	1.04	0.865
06/15/94	SPM2*CDMHNSW*14*C	39390*8080/3520-G	ENDRIN	108.7	35-155	0.008	UG/L	1.04	1.13
06/15/94	SPM2*CDMHNSW*14*C	39310*8080/3520-G	DDD,PP'		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	34356*8080/3520-G	ENDOSULFAN,B		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39300*8080/3520-G	DDT,PP'		46-152	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	34366*8080/3520-G	ENDRIN ALDEHYDE		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	34351*8080/3520-G	ENDOSULFAN SULFATE		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39480*8080/3520-G	METHOXYCHLOR		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39350*8080/3520-G	CHLORDANE		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39400*8080/3520-G	TOXAPHENE		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	34671*8080/3520-G	PCB-1016		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39488*8080/3520-G	PCB-1221		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39492*8080/3520-G	PCB-1232		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39496*8080/3520-G	PCB-1242		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39500*8080/3520-G	PCB 1248		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39504*8080/3520-G	PCB-1254		80-120	0.0	UG/L		ND
06/15/94	SPM2*CDMHNSW*14*C	39508*8080/3520-G	PCB-1260		80-120	0.0	UG/L		ND

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
06/15/94	MB*QC*1	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.865	86.5	23-109
06/15/94	MB*QC*1	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	1.16	116	31-145
06/15/94	SP1*QC*1	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.807	80.7	23-109
06/15/94	SP1*QC*1	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.792	79.2	31-145
06/15/94	SPM1*CDMHNSW*14	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	2.08	1.55	74.5	23-109
06/15/94	SPM1*CDMHNSW*14	96342*SUR	DECACHLOROBIPHENYL	UG/L	2.08	0.383	18.4	31-145
06/15/94	SPM2*CDMHNSW*14	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	2.08	1.41	67.8	23-109
06/15/94	SPM2*CDMHNSW*14	96342*SUR	DECACHLOROBIPHENYL	UG/L	2.08	0.302	14.5	31-145
06/15/94	DA*CDMHNSW*14	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.227	22.7	23-109
06/15/94	DA*CDMHNSW*14	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.071	7.10	31-145
06/16/94	DA*CDMHNSW*21	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.743	74.3	23-109
06/16/94	DA*CDMHNSW*21	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.786	78.6	31-145
06/16/94	CCS*IND6*2	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1790000	1680000	93.9	23-109
06/16/94	CCS*IND6*2	96342*SUR	DECACHLOROBIPHENYL	UG/L	612000	723000	118	31-145
06/16/94	CCS*IND6*3	96472*SUR	TETRACHLORO-M-XYLENE	UG/L		NA		23-109
06/16/94	CCS*IND6*3	96342*SUR	DECACHLOROBIPHENYL	UG/L		NA		31-145
06/16/94	CCS*IND6*4	96472*SUR	TETRACHLORO-M-XYLENE	UG/L		NA		23-109
06/16/94	CCS*IND6*4	96342*SUR	DECACHLOROBIPHENYL	UG/L		NA		31-145
06/15/94	MB*QC*1*C	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.742	74.2	23-109
06/15/94	MB*QC*1*C	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.788	78.8	31-145
06/15/94	SP1*QC*1*C	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.727	72.7	23-109
06/15/94	SP1*QC*1*C	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.780	78.0	31-145
06/15/94	SPM1*CDMHNSW*14*C	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	2.08	1.68	80.8	23-109
06/15/94	SPM1*CDMHNSW*14*C	96342*SUR	DECACHLOROBIPHENYL	UG/L	2.08	0.465	22.4	31-145
06/15/94	SPM2*CDMHNSW*14*C	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	2.08	1.62	77.9	23-109
06/15/94	SPM2*CDMHNSW*14*C	96342*SUR	DECACHLOROBIPHENYL	UG/L	2.08	0.203	9.76	31-145
06/15/94	DA*CDMHNSW*14*C	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.261	26.1	23-109
06/15/94	DA*CDMHNSW*14*C	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.035	3.50	31-145
06/15/94	DA*CDMHNSW*21*C	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.849	84.9	23-109
06/15/94	DA*CDMHNSW*21*C	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.547	54.7	31-145
06/16/94	CCS*IND6*2*C	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	2720000	2850000	105	23-109
06/16/94	CCS*IND6*2*C	96342*SUR	DECACHLOROBIPHENYL	UG/L	1040000	1050000	101	31-145

ESE BATCH : G50052

UNITS AND EXAMPLE CALCULATIONS

	UNITS ENTERED
FINAL CONCENTRATION	UG/L
INJECTION VOLUME	NA
SAMPLE VOLUME	ML
EXTRACT VOLUME	ML
CURVE CONCENTRATION	UG/L
SPIKE SOLN CONCENTRATION	UG/L
SPIKE VOLUME	ML
SPIKE SAMPLE VOLUME	ML
TARGET CONCENTRATION	UG/L
RESPONSE DESCRIPTION	PEAK AREA
CONVERSION FACTOR	NA

$$\text{FINAL CONC} = \frac{\text{CURV CONC} * \text{EXT VOL} * \text{DIL}}{\text{INJ VOL} * \text{SAMP VOL} * ((100 - \%\text{MOISTURE}) / 100)}$$

$$\text{UG/L} = \frac{(\text{UG/L}) * (\text{ML})}{(\text{NA}) * (\text{ML})}$$

$$(\quad) = \frac{(\quad) * (\quad) * (\quad)}{(\quad) * (\quad) * ((100 - (\quad)) / 100)}$$

$$\text{TARGET CONC} = \frac{\text{SPIKE SOLN CONC} * \text{SPIKE VOL}}{\text{SPIKE SAMP VOL} * ((100 - \%\text{MOISTURE}) / 100)}$$

$$\text{UG/L} = \frac{(\text{UG/L}) * (\text{ML})}{(\text{ML})}$$

ESE BATCH : G50052

Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G50052 Analysis Date: 06/14/94 Analyst: GREG AYOUB

	Yes	"Exceptions" No	Comment / Corrective Action
Are ALL units documented in batch?	X		
Analysis holding time within criteria?	X		
Extract holding time within criteria?	X		
No. of calibration standards present acceptable?	X		
Curve correlation coefficient >= 0.995?	X		
Calibration curve y-intercept < curve detection limit?	X		
Sample responses within highest standard response?	X		
Sample retention times within retention time window?	X		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?	X		
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?	X		
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	ALDRIN
Surrogate present?	X		
Surrogate within acceptance criteria?		X	TCX
			DCBP

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: BRAD WEICHERT 1569
PROB.:SAMPLE MATRIX SPIKE DUPLICATE
NOT WITHIN ACCEPTANCE CRITERIA.
EXPL.:MATRIX EFFECTS. WAS NOTIFIED BY
PRESTON DUMAS (EXTRACTION GROUP
LEADER) THAT THIS SAMPLE CDMHNSW*14
WAS DIFFICULT TO EXTRACT AND APPEARED
TO CONTAIN SOAP./GA
PROB.:SURROGATE NOT WITHIN ACCEPTANCE
CRITERIA.
EXPL.:SEE ABOVE./GA
CCS*1 FAILED EVERY ANALYTE. THIS IS
PROBABLY DUE TO SAMPLE CDMHNSW*14, WHICH
CONTAINED SOAP. THUS FOR A SHORT
PERIOD AND TIME, SYSTEM INTEGRITY WAS
COMPROMISED RESULTING IN FAILURE OF THIS
CALIBRATION SYSTEM RECOVERED AND CCS*2
PASSED. DATA SHOULD BE ACCEPTABLE SINCE
STANDARD SPIKE RECOVERIES WERE ALL WITHIN
RANGE./GA

ESE BATCH : G50052

TABLE OF ABBREVIATIONS

%RECV : % Recovery for spiked sample. (FOUND/TARGET * 100)
ANLY DATE : Analysis Date
ANLY TIME : Analysis Time
CURVE : Curve Regression Number
DILUTION : Sample Dilution Factor
EXT DATE : Extract Date
EXT VOL : Extract Volume
FOUND : Spiked Sample Conc. - Unspiked Sample Conc.
INJ VOL : Injection Volume
REL%DIFF : % Difference between current and previous spike.
RESPONSE : Sample Response
R.T. : Retention Time
SAMPLE CODE: Sample Type * Sample ID
SAMPLE ID : Field Group * Sequence Number
SAMPLE TYPE: The kind of sample analyzed. (listed below)
DA -- Data Sample
MB -- Method Blank
RF -- Reference (from commercially known standard)
RP -- Replicate Sample
SP -- Standard Matrix Spike
SPM -- Sample Matrix Spike
STD -- Internal Standard
SUR -- Surrogate Sample
UN -- Unspiked Sample
SAMP VOL : Sample Volume
SPK CONC : Spike Concentration
ST : Sample response explanation or validity. (listed below)
BK -- No sample response.
NA -- Sample not analyzed.
NR -- Not reserved for this batch. Batch containing the response for this sample is listed in the target field.
OK -- Sample response shown is correct.
! -- Sample response shown is invalid.
< -- Sample response < detection limit. Detection limit is shown in the response field.
STORET*MTHD: Storet ID * Method Code
TARGET : Spike Target (SAMPLE LISTING SECTION)
TARGET : Spike Target Concentration (SPIKED SAMPLE SECTION)
TYPE : Response Type ("FINAL" or empty.)
UNSP CONC : Unspiked Sample Concentration

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Dilution Factor and

Holding Time Report

9513356.0559

SAMPLE.....	SITE ID.....	ANALYTE.....	DIL.....	BATCH
CESADS1*13	STP0412	1,3,5-TRINITROBENZEN	10	G49213
		2,4,6-TRINITROTOLUEN	10	
CESADS1*17	STP0306-QC	2,4,6-TRINITROTOLUEN	50	G49213
		4-AMINO-2,6-DINITROT	50	

EXTRACT AND ANALYSIS HOLDING TIME CHECK REPORT REPORT DATE: 07/01/94

SAMPLE	BATCH	STORET*METHOD	STORET NAME	FAILURE
CDMHNSS*39	ALL	HOLDING TIMES MET		
CDMHNSS*40	ALL	HOLDING TIMES MET		
CDMHNSS*41	ALL	HOLDING TIMES MET		
CDMHNSS*42	ALL	HOLDING TIMES MET		
CDMHNSS*43	ALL	HOLDING TIMES MET		
CDMHNSS*44	ALL	HOLDING TIMES MET		
CDMHNSW*14	ALL	HOLDING TIMES MET		
CDMHNSW*21	ALL	HOLDING TIMES MET		

9513356.0561

Chain of Custody

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

Sample Log Book with 6/7/94

PROJECT NAME Hanford North Slope (H-06-L East) PROJECT NUMBER 6110-002

~~Field~~ Log Book Reference No. 1

ESE #	SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES 8080	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
39	94H06L	(E)-A01-07-	008	6/6/94	1255	H06L(E)	Soil	X	1x250ml	76	grab
40	94H06L	(E)-A01-08	011	6/6/94	1548	H06L(E)	Soil	X	1x250ml	77	grab (Level IV)
41	94H06L	(E)-A01-09	011	6/6/94	1555	H06L(E)	Soil	X	1x250ml	77	grab
42	94H06L	(E)-A01-10	011	6/6/94	1600	H06L(E)	Soil	X	1x250ml	77	grab

ESE #39 #40 #41 #42

ESE SAMPLE RECEIVING

LDD: 6/10/94

Field Group/#: CDMHNSS #39,41,42 / #40

Storet List: CDMHNSS.3 / CDMHNSS.4

Custody Seal(s) Intact?: (Y) N N.A.

Cooler Temp. (°C): 2

Preservation Audited? Y N (N.A.)

SAMPLED BY (SIGN) Randy Roberts

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① Randall Roberts	②	③	④	⑤
DATE/TIME 6/7/94 1300	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)
RECEIVED BY (SIGN)	**RECEIVED BY (SIGN)**	**RECEIVED BY (SIGN)**	**RECEIVED BY (SIGN)**	**RECEIVED BY (SIGN)**
①	②	③	④	⑤
DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)

METHOD OF SHIPMENT	SHIPPED BY (SIGN)	RECEIVED FOR LABORATORY BY (SIGN)	DATE/TIME
Federal Express Airbill # 9501619702	Randall Roberts		6/8/94 1140

ESH (P-94-17.01) (COC #021)

LEGEND: Original: Return to Sample Traffic Control Center Copies: Ship with Samples

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260000

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation SAMPLE LOG BOOK

PROJECT NAME HANFORD NORTH SLOPE (HO6L-EAST) PROJECT NUMBER 6110-002

~~Field Log Book~~ Reference No. 1

SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES 8030	NUMBER OF CONTAINERS	LOG BOOK PG. NO.	REMARKS
(3) 94H06L	(E)A01-11	012	6/7/94	1220	H06L(E)	SOIL	X	1x250ml	78	GRAB
(4) 94H06L	(E)A01-12	012	6/7/94	1225	H06L(E)	SOIL	X	1x250ml	78	GRAB
(5) 94H06L	(E)-A01-09	EB3	6/8/94	0800	H06L(E)	WATER	X	2x1L	79	RINSEATE
(4) 94H06L	(E)WW2-02	000	6/8/94	0900	H06L(E)	WATER	X	2x1L	79	DECON WASTE WATER

BSE SAMPLE RECEIVING

LDD: 6/11/94

Field Group/#: CDMHNS5 / CDMHNSW

Storet List: CDMHNS53 / CDMHNSW4

Custody Seal(s) Intact?: (Y) N N.A.

Cooler Temp. (°C): 5

Preservation Audited? Y N (N.A)

F.O. MT 6/9/94 (E)-A01-09 EB3 is *2

SAMPLED BY (SIGN) Randall Robert

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① RR 6/8/94 Randall Robert	②		④	⑤
DATE/TIME 6/8/94 1300	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)
RECEIVED BY (SIGN)	**RECEIVED BY (SIGN)**	**RECEIVED BY (SIGN)**	**RECEIVED BY (SIGN)**	**RECEIVED BY (SIGN)**
①	②	③	④	⑤
DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)

METHOD OF SHIPMENT	SHIPPED BY (SIGN)	RECEIVED FOR LABORATORY BY (SIGN)	DATE/TIME
FED. EXPRESS AIRBILL # 9501619724	Randall Robert		6/9/94, 1120

LEGEND: Original: Return to Sample Traffic Control Center Copies: Sample Coordinator

960000

9515556.0563

9513356.0564

ESE COOLER RECEIPT FORM

THIS FORM IS TO BE EXECUTED BY THE ESE SAMPLE RECEIPT CUSTODIAN WHEN PROCESSING SHIPPING CONTAINERS. ANY *NO IS TO BE DESCRIBED IN *DETAILS/COMMENTS*. IMMEDIATE DOCUMENTATION OF PROBLEMS TO THE ANALYTICAL PROJECT MANAGER WILL FACILITATE COMMUNICATION WITH THE CLIENT TO RESOLVE ANY PROBLEMS. REFER TO ACTUAL CHAIN-OF-CUSTODY AND AIRBILL (IF APPLICABLE) FOR ADDITIONAL SAMPLE DOCUMENTATION.

Project: CDM - Hanford Shipping **Container #** (ESE / Other): 405
Received (mm/dd/yr/hr): 6/8/94 1140 **By:**
Opened (if different) : **By:**

Preliminary Examination Checklist

Did the shipping container arrive with an airbill/shipping slip? ..... No Yes
If applicable, carrier name & airbill #: Fed. Ex. 950161970 2

Were custody seals on the outside of the container? ..... *No Yes
If Yes, a: were custody seals intact upon arrival? ..... *No Yes
b: enter Seal Date and Name (or enter "NA" if not available):

Was the shipping container screened for radioactivity with a GM counter? ..... *No Yes
If Yes, were readings within criteria? ..... *No Yes

Was Chain of Custody (COC) documentation provided with the shipment? ..... *No Yes
If Yes, a: was COC fully executed by the shipper (in ink)? ..... *No Yes
b: did you sign the COC in the appropriate field? ..... *No Yes
c: was the project identifiable from the COC? ..... *No Yes
If No, how was this determined?

Were samples received within criteria of 2-6°Deg C? ..... *No Yes

Sample Examination & Check-In Checklist

Were samples packaged in conformance to generally accepted practices? ..... *No Yes

Did all sample containers arrive intact and sealed? ..... *No Yes
Did all sample containers have secure and completed labels? ..... *No Yes
If sample containers possessed tags, circle: Tags only Tags + Labels
Were caps of individual bottles/vials free from tape and/or custody seals? ..... No Yes
Did all labels and/or tags agree with COC? ..... *No Yes

Were all samples examined for the following or were they audited? ..... Audited All
Did pH checks confirm indicated preservations? ..... *No Yes
Did volumes, containers, & preservations seem appropriate to indicated tests? ..... *No Yes
Were VOA vials (waters) free from bubbles? ..... *No Yes

NA
NA
6/8/94

Was this checklist free from deficiencies requiring notification of the Lab Project Manager?
(if No, note who was contacted & when in Details/Comments below) ..... *No Yes

*Details/Comments:

(over)

Source: ESE, May 1994

0513356 0565

ESE COOLER RECEIPT FORM

THIS FORM IS TO BE EXECUTED BY THE ESE SAMPLE RECEIPT CUSTODIAN WHEN PROCESSING SHIPPING CONTAINERS. ANY *NO IS TO BE DESCRIBED IN *DETAILS/COMMENTS*. IMMEDIATE DOCUMENTATION OF PROBLEMS TO THE ANALYTICAL PROJECT MANAGER WILL FACILITATE COMMUNICATION WITH THE CLIENT TO RESOLVE ANY PROBLEMS. REFER TO ACTUAL CHAIN-OF-CUSTODY AND AIRBILL (IF APPLICABLE) FOR ADDITIONAL SAMPLE DOCUMENTATION.

Project: CDM - Hanford Shipping **Container # (ESE / Other):** 334
Received (mm/dd/yr/hr): 6/9/94 1130 **By:** [signature]
Opened (if different) : _____ By: _____

Preliminary Examination Checklist

Did the shipping container arrive with an airbill/shipping slip? .....No Yes
If applicable, carrier name & airbill #: Fed. Ex 950160724

Were custody seals on the outside of the container? .....*No Yes
If Yes, a: were custody seals intact upon arrival? .....*No Yes
b: enter Seal Date and Name (or enter "NA" if not available): 6/8/94 R.R.

Was the shipping container screened for radioactivity with a GM counter? .....*No Yes
If Yes, were readings within criteria? .....*No Yes

Was Chain of Custody (COC) documentation provided with the shipment? .....*No Yes
If Yes, a: was COC fully executed by the shipper (in ink)? .....*No Yes
b: did you sign the COC in the appropriate field? .....*No Yes
c: was the project identifiable from the COC? .....*No Yes
If No, how was this determined? _____

Were samples received within criteria of 2-6°Deg C? .....*No Yes

Sample Examination & Check-In Checklist

Were samples packaged in conformance to generally accepted practices? .....*No Yes

Did all sample containers arrive intact and sealed? .....*No Yes
Did all sample containers have secure and completed labels? .....*No Yes
If sample containers possessed tags, circle: Tags only Tags + Labels
Were caps of individual bottles/vials free from tape and/or custody seals? .....No Yes
Did all labels and/or tags agree with COC? .....*No Yes

Were all samples examined for the following or were they audited? .....Audited All
Did pH checks confirm indicated preservations? .....*No Yes
Did volumes, containers, & preservations seem appropriate to indicated tests? .....*No Yes
Were VOA vials (waters) free from bubbles? .....*No Yes

N7
N.A.
6/9/94

Was this checklist free from deficiencies requiring notification of the Lab Project Manager?
(if No, note who was contacted & when in Details/Comments below) .....*No Yes

***Details/Comments:**

_____
_____
_____
_____
_____
(over)

Source: ESE, May 1994