Analytical and Supporting Laboratory

Quality Control Data For

DOE - Hanford North Slope Site H-06-1

VOLUME 2

Prepared by: Environmental Science & Engineering, Inc.
May 1994

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Semivolatile Organic Compounds

ESE BATCH : G48389
CLASSIFICATION : ACID EXTR.-EPA 8270/3540(SOX)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR :
DATA ENTRY : PAUL HESTER

REPORT DATE/TIME : 05/20/94 06:53:53
ANALYSIS DATE : 04/22/94
EXTRACT DATE : 04/21/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK1

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*2	WA20-2-06	04/22/94	11:50AM
CDMHNSS*3	WA19-1-08	04/22/94	12:45PM
CDMHNSS*4	WA19-2-07	04/22/94	01:41PM
CDMHNSS*1	WA20-1-04	04/22/94	05:23PM

ESE BATCH : G48389

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98325 METHOD: SUR 2-FLUOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98326 METHOD: SUR PHENOL-D(5), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: 8270/3540-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34276 METHOD: 8270/3540-G BIS(2-CHLOROETHYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: 8270/3540-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34569 METHOD: 8270/3540-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: 8270/3540-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: 8270/3540-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75212 METHOD: 8270/3540-G BENZYL ALCOHOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: 8270/3540-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: 8270/3540-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: 8270/3540-G BIS(2-CHL'ISOPROPYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: 8270/3540-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: 8270/3540-G HEXACHLOROETHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98327 METHOD: SUR NITROBENZENE-D(5), UG/KG-DRY GCMS

ESE BATCH : G48389

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: 8270/3540-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: 8270/3540-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: 8270/3540-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: 8270/3540-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75315 METHOD: 8270/3540-G BENZOIC ACID, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2700 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34281 METHOD: 8270/3540-G BIS(2-CHLOROETHOXY) METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: 8270/3540-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: 8270/3540-G 1,2,4-TRICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: 8270/3540-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: 8270/3540-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: 8270/3540-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: 8270/3540-G 4-CHLORO-3-METHYL PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: 8270/3540-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: 8270/3540-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1000 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: 8270/3540-G 2,4,6-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48389
DETECTION LIMIT=170 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: 8270/3540-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=170 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 98330 METHOD: SUR 2-FLUOROBIPHENYL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: 8270/3540-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: 8270/3540-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34344 METHOD: 8270/3540-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34203 METHOD: 8270/3540-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=150 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: 8270/3540-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: 8270/3540-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: 8270/3540-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: 8270/3540-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1300 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: 8270/3540-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: 8270/3540-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=120 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: 8270/3540-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: 8270/3540-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34644 METHOD: 8270/3540-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48389
STORET: 34384 METHOD: 8270/3540-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: 8270/3540-G 4-NITROANILINE UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=400 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: 8270/3540-G N-NITROSODIPHE'AMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97448 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: 8270/3540-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=670 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: 8270/3540-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: 8270/3540-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: 8270/3540-G PENTACHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=250 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34464 METHOD: 8270/3540-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: 8270/3540-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: 8270/3540-G DI-N-BUTYL PHTHALATE , UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: 8270/3540-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: 8270/3540-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97449 METHOD: SUR TERPHENYL-D(14), UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: 8270/3540-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: 8270/3540-G 3,3-DICHL'BENZIDINE, UG/KG-DRY GCMS

ESE BATCH : G48389
CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: 8270/3540-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: 8270/3540-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: 8270/3540-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: 8270/3540-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: 8270/3540-G BENZO(B)FLUORANTHENE, UG/KG DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34245 METHOD: 8270/3540-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34250 METHOD: 8270/3540-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: 8270/3540-G INDENO(1,2,3-CD) PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: 8270/3540-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: 8270/3540-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/21/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48389

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/22/94	MB*NONE*1	34695*8270/3540-G	PHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	34276*8270/3540-G	BIS(2-CHLOROETHYL) ETHER	UG/KG-	ND
04/22/94	MB*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	34569*8270/3540-G	1,3-DICHLOROBENZENE	UG/KG-	ND
04/22/94	MB*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	UG/KG-	ND
04/22/94	MB*NONE*1	34539*8270/3540-G	1,2-DICHLOROBENZENE	UG/KG-	ND
04/22/94	MB*NONE*1	75212*8270/3540-G	BENZYL ALCOHOL	UG/KG-	ND
04/22/94	MB*NONE*1	78872*8270/3540-G	2-METHYLPHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	78803*8270/3540-G	4-METHYLPHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	34286*8270/3540-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/KG-	ND
04/22/94	MB*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
04/22/94	MB*NONE*1	34399*8270/3540-G	HEXACHLOROETHANE	UG/KG-	ND
04/22/94	MB*NONE*1	34450*8270/3540-G	NITROBENZENE	UG/KG-	ND
04/22/94	MB*NONE*1	34411*8270/3540-G	ISOPHORONE	UG/KG-	ND
04/22/94	MB*NONE*1	34594*8270/3540-G	2-NITROPHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	34609*8270/3540-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	75315*8270/3540-G	BENZOIC ACID	UG/KG-	ND
04/22/94	MB*NONE*1	34281*8270/3540-G	BIS(2-CHLOROETHOXY) METHANE	UG/KG-	ND
04/22/94	MB*NONE*1	34604*8270/3540-G	2,4-DICHLOROPHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
04/22/94	MB*NONE*1	34445*8270/3540-G	NAPHTHALENE	UG/KG-	ND
04/22/94	MB*NONE*1	78867*8270/3540-G	4-CHLOROANILINE	UG/KG-	ND
04/22/94	MB*NONE*1	39705*8270/3540-G	HEXACHLOROBUTADIENE	UG/KG-	ND
04/22/94	MB*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	78868*8270/3540-G	2-METHYLNAPHTHALENE	UG/KG-	ND
04/22/94	MB*NONE*1	34389*8270/3540-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
04/22/94	MB*NONE*1	34624*8270/3540-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	98587*8270/3540-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	34584*8270/3540-G	2-CHLORONAPHTHALENE	UG/KG-	ND
04/22/94	MB*NONE*1	98588*8270/3540-G	2-NITROANILINE	UG/KG-	ND
04/22/94	MB*NONE*1	34344*8270/3540-G	DIMETHYL PHTHALATE	UG/KG-	ND
04/22/94	MB*NONE*1	34203*8270/3540-G	ACENAPHTHYLENE	UG/KG-	ND
04/22/94	MB*NONE*1	34629*8270/3540-G	2,6-DINITROTOLUENE	UG/KG-	ND
04/22/94	MB*NONE*1	78869*8270/3540-G	3-NITROANILINE	UG/KG-	ND
04/22/94	MB*NONE*1	34208*8270/3540-G	ACENAPHTHENE	UG/KG-	ND
04/22/94	MB*NONE*1	34619*8270/3540-G	2,4-DINITROPHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	34649*8270/3540-G	4-NITROPHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	75647*8270/3540-G	DIBENZOFURAN	UG/KG-	ND
04/22/94	MB*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	UG/KG-	ND
04/22/94	MB*NONE*1	34339*8270/3540-G	DIETHYL PHTHALATE	UG/KG-	ND
04/22/94	MB*NONE*1	34644*8270/3540-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
04/22/94	MB*NONE*1	34384*8270/3540-G	FLUORENE	UG/KG-	ND
04/22/94	MB*NONE*1	78870*8270/3540-G	4-NITROANILINE	UG/KG-	ND
04/22/94	MB*NONE*1	34436*8270/3540-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
04/22/94	MB*NONE*1	34660*8270/3540-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	34639*8270/3540-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
04/22/94	MB*NONE*1	39701*8270/3540-G	HEXACHLOROBENZENE	UG/KG-	ND
04/22/94	MB*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	UG/KG-	ND
04/22/94	MB*NONE*1	34464*8270/3540-G	PHENANTHRENE	UG/KG-	ND
04/22/94	MB*NONE*1	34223*8270/3540-G	ANTHRACENE	UG/KG-	ND
04/22/94	MB*NONE*1	39112*8270/3540-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
04/22/94	MB*NONE*1	34379*8270/3540-G	FLUORANTHENE	UG/KG-	ND
04/22/94	MB*NONE*1	34472*8270/3540-G	PYRENE	UG/KG-	ND
04/22/94	MB*NONE*1	34295*8270/3540-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
04/22/94	MB*NONE*1	34634*8270/3540-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
04/22/94	MB*NONE*1	34529*8270/3540-G	BENZO(A)ANTHRACENE	UG/KG-	ND
04/22/94	MB*NONE*1	34323*8270/3540-G	CHRYSENE	UG/KG-	ND
04/22/94	MB*NONE*1	39102*8270/3540-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG-	ND
04/22/94	MB*NONE*1	34599*8270/3540-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
04/22/94	MB*NONE*1	34233*8270/3540-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
04/22/94	MB*NONE*1	34245*8270/3540-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
04/22/94	MB*NONE*1	34250*8270/3540-G	BENZO(A)PYRENE	UG/KG-	ND
04/22/94	MB*NONE*1	34406*8270/3540-G	INDENO(1,2,3-CD) PYRENE	UG/KG-	ND
04/22/94	MB*NONE*1	34559*8270/3540-G	DIBEN(A,H)ANTH'CENE	UG/KG-	ND
04/22/94	MB*NONE*1	34524*8270/3540-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/22/94	SP1*NONE*1	34695*8270/3540-G	PHENOL	100	26-90	UG/KG-	6700	6700
04/22/94	SP1*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	101	25-102	UG/KG-	6700	6800
04/22/94	SP1*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	73	28-104	UG/KG-	3300	2400
04/22/94	SP1*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	70	41-126	UG/KG-	3300	2300

ESE BATCH : G48389

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/22/94	SP1*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	73	38-107	UG/KG-	3300	2400
04/22/94	SP1*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	106	26-103	UG/KG-	6700	7100
04/22/94	SP1*NONE*1	34208*8270/3540-G	ACENAPHTHENE	73	31-137	UG/KG-	3300	2400
04/22/94	SP1*NONE*1	34649*8270/3540-G	4-NITROPHENOL	103	11-114	UG/KG-	6700	6900
04/22/94	SP1*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	67	28-89	UG/KG-	3300	2200
04/22/94	SP1*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	118	17-109	UG/KG-	6700	7900
04/22/94	SP1*NONE*1	34472*8270/3540-G	PYRENE	76	35-142	UG/KG-	3300	2500

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/22/94	SPM1*CDMHNSS*1	34695*8270/3540-G	PHENOL	99	26-90	0.0	UG/KG-	6900	6800
04/22/94	SPM1*CDMHNSS*1	34589*8270/3540-G	2-CHLOROPHENOL	96	25-102	0.0	UG/KG-	6900	6600
04/22/94	SPM1*CDMHNSS*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	68	28-104	0.0	UG/KG-	3400	2300
04/22/94	SPM1*CDMHNSS*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	65	41-126	0.0	UG/KG-	3400	2200
04/22/94	SPM1*CDMHNSS*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	68	38-107	0.0	UG/KG-	3400	2300
04/22/94	SPM1*CDMHNSS*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	96	26-103	0.0	UG/KG-	6900	6600
04/22/94	SPM1*CDMHNSS*1	34208*8270/3540-G	ACENAPHTHENE	68	31-137	0.0	UG/KG-	3400	2300
04/22/94	SPM1*CDMHNSS*1	34649*8270/3540-G	4-NITROPHENOL	88	11-114	0.0	UG/KG-	6900	6100
04/22/94	SPM1*CDMHNSS*1	34614*8270/3540-G	2,4-DINITROTOLUENE	62	28-89	0.0	UG/KG-	3400	2100
04/22/94	SPM1*CDMHNSS*1	39061*8270/3540-G	PENTACHLOROPHENOL	107	17-109	0.0	UG/KG-	6900	7400
04/22/94	SPM1*CDMHNSS*1	34472*8270/3540-G	PYRENE	65	35-142	0.0	UG/KG-	3400	2200
04/22/94	SPM2*CDMHNSS*1	34695*8270/3540-G	PHENOL	99	26-90	0.0	UG/KG-	6900	6800
04/22/94	SPM2*CDMHNSS*1	34589*8270/3540-G	2-CHLOROPHENOL	101	25-102	0.0	UG/KG-	6900	7000
04/22/94	SPM2*CDMHNSS*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	71	28-104	0.0	UG/KG-	3400	2400
04/22/94	SPM2*CDMHNSS*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	68	41-126	0.0	UG/KG-	3400	2300
04/22/94	SPM2*CDMHNSS*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	68	38-107	0.0	UG/KG-	3400	2300
04/22/94	SPM2*CDMHNSS*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	109	26-103	0.0	UG/KG-	6900	7500
04/22/94	SPM2*CDMHNSS*1	34208*8270/3540-G	ACENAPHTHENE	68	31-137	0.0	UG/KG-	3400	2300
04/22/94	SPM2*CDMHNSS*1	34649*8270/3540-G	4-NITROPHENOL	100	11-114	0.0	UG/KG-	6900	6900
04/22/94	SPM2*CDMHNSS*1	34614*8270/3540-G	2,4-DINITROTOLUENE	65	28-89	0.0	UG/KG-	3400	2200
04/22/94	SPM2*CDMHNSS*1	39061*8270/3540-G	PENTACHLOROPHENOL	119	17-109	0.0	UG/KG-	6900	8200
04/22/94	SPM2*CDMHNSS*1	34472*8270/3540-G	PYRENE	68	35-142	0.0	UG/KG-	3400	2300

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/22/94	MB*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6800	100	25-121
04/22/94	MB*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5910	88.6	24-113
04/22/94	MB*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2600	79	23-120
04/22/94	MB*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2600	79	30-115
04/22/94	MB*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	5970	89.5	19-122
04/22/94	MB*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2600	78.1	18-137
04/22/94	DA*CDMHNSS*2	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6700	100	25-121
04/22/94	DA*CDMHNSS*2	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5910	88.6	24-113
04/22/94	DA*CDMHNSS*2	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2600	79	23-120
04/22/94	DA*CDMHNSS*2	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2600	79	30-115
04/22/94	DA*CDMHNSS*2	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6170	92.5	19-122
04/22/94	DA*CDMHNSS*2	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2600	78.1	18-137
04/22/94	DA*CDMHNSS*3	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6800	100	25-121
04/22/94	DA*CDMHNSS*3	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5880	88.2	24-113
04/22/94	DA*CDMHNSS*3	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2500	76	23-120
04/22/94	DA*CDMHNSS*3	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2400	73	30-115
04/22/94	DA*CDMHNSS*3	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6250	93.7	19-122
04/22/94	DA*CDMHNSS*3	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2070	62.2	18-137
04/22/94	DA*CDMHNSS*4	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	3100	46	25-121
04/22/94	DA*CDMHNSS*4	98326*SUR	PHENOL-D(5)	UG/KG-	6670	2490	37.3	24-113
04/22/94	DA*CDMHNSS*4	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	1300	39	23-120
04/22/94	DA*CDMHNSS*4	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	1700	52	30-115
04/22/94	DA*CDMHNSS*4	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	4620	69.3	19-122
04/22/94	DA*CDMHNSS*4	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	1730	52.0	18-137
04/22/94	SPM1*CDMHNSS*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6400	96	25-121
04/22/94	SPM1*CDMHNSS*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6180	92.7	24-113
04/22/94	SPM1*CDMHNSS*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2500	76	23-120
04/22/94	SPM1*CDMHNSS*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
04/22/94	SPM1*CDMHNSS*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6570	98.5	19-122
04/22/94	SPM1*CDMHNSS*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2580	77.5	18-137
04/22/94	SPM2*CDMHNSS*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6700	100	25-121
04/22/94	SPM2*CDMHNSS*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6490	97.3	24-113
04/22/94	SPM2*CDMHNSS*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2600	79	23-120
04/22/94	SPM2*CDMHNSS*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2400	73	30-115
04/22/94	SPM2*CDMHNSS*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6620	99.3	19-122
04/22/94	SPM2*CDMHNSS*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2590	77.8	18-137

ESE BATCH : G48389

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/22/94	SP1*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6600	99	25-121
04/22/94	SP1*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6410	96.1	24-113
04/22/94	SP1*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
04/22/94	SP1*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
04/22/94	SP1*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6710	101	19-122
04/22/94	SP1*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2810	84.4	18-137
04/22/94	DA*CDMHNSS*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7200	110	25-121
04/22/94	DA*CDMHNSS*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6620	99.3	24-113
04/22/94	DA*CDMHNSS*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2600	79	23-120
04/22/94	DA*CDMHNSS*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2400	73	30-115
04/22/94	DA*CDMHNSS*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6420	96.3	19-122
04/22/94	DA*CDMHNSS*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2390	71.8	18-137

ESE BATCH : G48389

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48389 Analysis Date: 04/22/91 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			4CL3MEHPH
			PENTCLPHE
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PHENOL
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	PHENOL
			4CL3MEHPH
			PENTCLPHE
Surrogate present?	X		
Surrogate within acceptance criteria?		X	98325*SUR
			98326*SUR
			98327*SUR
			98330*SUR
			97448*SUR
			97449*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB:STANDARD MATRIX SPIKE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL:FOR PHENOL, THE SP1,SPM1,AND SPM2 RECOVERIES ARE 100,98.6, AND 98.6% WITH AN UPPER LIMIT OF 90%. FOR 4-CHLORO-3-METHYLPHENOL, THE SP1 AND SPM2 RECOVERIES ARE 106 AND 108.7% WITH AN UPPER LIMIT OF 108%. FOR PENTACHLOROPHENOL, THE SP1 AND SPM2 RECOVERIES ARE 117.9% AND 118.8% WITH AN UPPER LIMIT OF 109%. ALL OF THE ABOVE RECOVERIES ARE WITHIN THE RANGE OF HISTORIC DATA FOR OUR LAB./SK./04-25-94.
PROB:SAMPLE MATRIX SPIKE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL:SAME AS ABOVE.
PROB:SAMPLE MATRIX SPIKE DUPLICATE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL:SAME AS ABOVE.
1ST./EM./04-25-94.

ESE BATCH G48389

TABLE 1] 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 : G48390
CLASSIFICATION : ACID EXTR.-EPA 827)/3540(SOX)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR :
DATA ENTRY : PAUL HESTER

REPORT DATE/TIME : 05/20/94 06:56:54
ANALYSIS DATE : 04/24/94
EXTRACT DATE : 04/22/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK2

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*5	WA19-3-05	04/24/94	12:37PM
CDMHNSS*6	WA19-4-05	04/24/94	01:32PM

ESE BATCH . G48390

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98325 METHOD: SUR 2-FLUOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98326 METHOD: SUR PHENOL-D(5), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: 8270/3540-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34276 METHOD: 8270/3540-G BIS(2-CHLOROETHYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: 8270/3540-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: 8270/3540-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: 8270/3540-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: 8270/3540-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75212 METHOD: 8270/3540-G BENZYL ALCOHOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: 8270/3540-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: 8270/3540-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: 8270/3540-G BIS(2-CHL'ISOPROPYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: 8270/3540-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34399 METHOD: 8270/3540-G HEXACHLOROETHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 98327 METHOD: SUR NITROBENZENE-D(5), UG/KG-DRY GCMS

ESE BATCH : G48390

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: 8270/3540-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: 8270/3540-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: 8270/3540-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34609 METHOD: 8270/3540-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 75315 METHOD: 8270/3540-G BENZOIC ACID, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2700 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34281 METHOD: 8270/3540-G BIS(2-CHLOROETHOXY) METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: 8270/3540-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: 8270/3540-G 1,2,4-TRICH'BENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: 8270/3540-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: 8270/3540-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: 8270/3540-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: 8270/3540-G 4-CHLORO-3-METHYL PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: 8270/3540-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: 8270/3540-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1000 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: 8270/3540-G 2,4,6-TRICH'PHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48390
DETECTION LIMIT=170 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: 8270/3540-G 2 4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=170 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98330 METHOD: SUR 2-FLUOROBIPHENYL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: 8270/3540-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: 8270/3540-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34344 METHOD: 8270/3540-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: 8270/3540-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=150 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: 8270/3540-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: 8270/3540-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: 8270/3540-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: 8270/3540-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1300 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: 8270/3540-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: 8270/3540-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=120 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: 8270/3540-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: 8270/3540-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34644 METHOD: 8270/3540-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48390
STORET: 34384 METHOD: 8270/3540-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: 8270/3540-G 4 NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=400 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: 8270/3540-G N NITROSODIPHE'AMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97448 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: 8270/3540-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=670 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: 8270/3540-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: 8270/3540-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: 8270/3540-G PENTACHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=250 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34464 METHOD: 8270/3540-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: 8270/3540-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: 8270/3540-G DI-N-BUTYL PHTHALATE , UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: 8270/3540-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: 8270/3540-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97449 METHOD: SUR TERPHENYL-D(14), UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: 8270/3540-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: 8270/3540-G 3,3-DICHL'BENZIDINE, UG/KG-DRY GCMS

ESE BATCH : G48390
CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: 8270/3540-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: 8270/3540-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: 8270/3540-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: 8270/3540-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: 8270/3540-G BENZO(B)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34245 METHOD: 8270/3540-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34250 METHOD: 8270/3540-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34406 METHOD: 8270/3540-G INDENO(1,2,3-CD) PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34559 METHOD: 8270/3540-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: 8270/3540-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48390

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/24/94	MB*NONE*1	34695*8270/3540-G	PHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34276*8270/3540-G	BIS(2-CHLOROETHYL) ETHER	UG/KG-	ND
04/24/94	MB*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34569*8270/3540-G	1,3-DICHLOROBENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	34539*8270/3540-G	1,2-DICHLOROBENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	75212*8270/3540-G	BENZYL ALCOHOL	UG/KG-	ND
04/24/94	MB*NONE*1	78872*8270/3540-G	2-METHYLPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	78803*8270/3540-G	4-METHYLPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34286*8270/3540-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/KG-	ND
04/24/94	MB*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
04/24/94	MB*NONE*1	34399*8270/3540-G	HEXACHLOROETHANE	UG/KG-	ND
04/24/94	MB*NONE*1	34450*8270/3540-G	NITROBENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	34411*8270/3540-G	ISOPHORONE	UG/KG-	ND
04/24/94	MB*NONE*1	34594*8270/3540-G	2-NITROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34609*8270/3540-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	75315*8270/3540-G	BENZOIC ACID	UG/KG-	ND
04/24/94	MB*NONE*1	34281*8270/3540-G	BIS(2-CHLOROETHOXY) METHANE	UG/KG-	ND
04/24/94	MB*NONE*1	34604*8270/3540-G	2,4-DICHLOROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	34445*8270/3540-G	NAPHTHALENE	UG/KG-	ND
04/24/94	MB*NONE*1	78867*8270/3540-G	4-CHLOROANILINE	UG/KG-	ND
04/24/94	MB*NONE*1	39705*8270/3540-G	HEXACHLOROBUTADIENE	UG/KG-	ND
04/24/94	MB*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	78868*8270/3540-G	2-METHYLNAPHTHALENE	UG/KG-	ND
04/24/94	MB*NONE*1	34389*8270/3540-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
04/24/94	MB*NONE*1	34624*8270/3540-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	98587*8270/3540-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34584*8270/3540-G	2-CHLORONAPHTHALENE	UG/KG-	ND
04/24/94	MB*NONE*1	98588*8270/3540-G	2-NITROANILINE	UG/KG-	ND
04/24/94	MB*NONE*1	34344*8270/3540-G	DIMETHYL PHTHALATE	UG/KG-	ND
04/24/94	MB*NONE*1	34203*8270/3540-G	ACENAPHTHYLENE	UG/KG-	ND
04/24/94	MB*NONE*1	34629*8270/3540-G	2,6-DINITROTOLUENE	UG/KG-	ND
04/24/94	MB*NONE*1	78869*8270/3540-G	3-NITROANILINE	UG/KG-	ND
04/24/94	MB*NONE*1	34208*8270/3540-G	ACENAPHTHENE	UG/KG-	ND
04/24/94	MB*NONE*1	34619*8270/3540-G	2,4-DINITROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34649*8270/3540-G	4-NITROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	75647*8270/3540-G	DIBENZOFURAN	UG/KG-	ND
04/24/94	MB*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	UG/KG-	ND
04/24/94	MB*NONE*1	34339*8270/3540-G	DIETHYL PHTHALATE	UG/KG-	ND
04/24/94	MB*NONE*1	34644*8270/3540-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
04/24/94	MB*NONE*1	34384*8270/3540-G	FLUORENE	UG/KG-	ND
04/24/94	MB*NONE*1	78870*8270/3540-G	4-NITROANILINE	UG/KG-	ND
04/24/94	MB*NONE*1	34436*8270/3540-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
04/24/94	MB*NONE*1	34660*8270/3540-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34639*8270/3540-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
04/24/94	MB*NONE*1	39701*8270/3540-G	HEXACHLOROBENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34464*8270/3540-G	PHENANTHRENE	UG/KG-	ND
04/24/94	MB*NONE*1	34223*8270/3540-G	ANTHRACENE	UG/KG-	ND
04/24/94	MB*NONE*1	39112*8270/3540-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
04/24/94	MB*NONE*1	34379*8270/3540-G	FLUORANTHENE	UG/KG-	ND
04/24/94	MB*NONE*1	34472*8270/3540-G	PYRENE	UG/KG-	ND
04/24/94	MB*NONE*1	34295*8270/3540-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
04/24/94	MB*NONE*1	34634*8270/3540-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
04/24/94	MB*NONE*1	34529*8270/3540-G	BENZO(A)ANTHRACENE	UG/KG-	ND
04/24/94	MB*NONE*1	34323*8270/3540-G	CHRYSENE	UG/KG-	ND
04/24/94	MB*NONE*1	39102*8270/3540-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG-	57
04/24/94	MB*NONE*1	34599*8270/3540-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
04/24/94	MB*NONE*1	34233*8270/3540-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
04/24/94	MB*NONE*1	34245*8270/3540-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
04/24/94	MB*NONE*1	34250*8270/3540-G	BENZO(A)PYRENE	UG/KG-	ND
04/24/94	MB*NONE*1	34406*8270/3540-G	INDENO(1,2,3-CD) PYRENE	UG/KG-	ND
04/24/94	MB*NONE*1	34559*8270/3540-G	DIBEN(A,H)ANTH'CENE	UG/KG-	ND
04/24/94	MB*NONE*1	34524*8270/3540-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/24/94	SP1*NONE*1	34695*8270/3540-G	PHENOL	106	26-90	UG/KG-	6700	7100
04/24/94	SP1*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	103	25-102	UG/KG-	6700	6900
04/24/94	SP1*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	70	28-104	UG/KG-	3300	2300
04/24/94	SP1*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	76	41-126	UG/KG-	3300	2500

ESE BATCH : G48390

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/24/94	SP1*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	73	38-107	UG/KG-	3300	2400
04/24/94	SP1*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	109	26-103	UG/KG-	6700	7300
04/24/94	SP1*NONE*1	34208*8270/3540-G	ACENAPHTHENE	73	31-137	UG/KG-	3300	2400
04/24/94	SP1*NONE*1	34649*8270/3540-G	4-NITROPHENOL	79	11-114	UG/KG-	6700	5300
04/24/94	SP1*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	61	28-89	UG/KG-	3300	2000
04/24/94	SP1*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	112	17-109	UG/KG-	6700	7500
04/24/94	SP1*NONE*1	34472*8270/3540-G	PYRENE	64	35-142	UG/KG-	3300	2100

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/24/94	SPM1*CDMHNSS*5	34695*8270/3540-G	PHENOL	112	26-90	0.0	UG/KG-	6900	7700
04/24/94	SPM1*CDMHNSS*5	34589*8270/3540-G	2-CHLOROPHENOL	110	25-102	0.0	UG/KG-	6900	7600
04/24/94	SPM1*CDMHNSS*5	34574*8270/3540-G	1,4-DICHLOROBENZENE	74	28-104	0.0	UG/KG-	3400	2500
04/24/94	SPM1*CDMHNSS*5	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	76	41-126	0.0	UG/KG-	3400	2600
04/24/94	SPM1*CDMHNSS*5	34554*8270/3540-G	1,2,4-TRICH'BENZENE	76	38-107	0.0	UG/KG-	3400	2600
04/24/94	SPM1*CDMHNSS*5	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	119	26-103	0.0	UG/KG-	6900	8200
04/24/94	SPM1*CDMHNSS*5	34208*8270/3540-G	ACENAPHTHENE	76	31-137	0.0	UG/KG-	3400	2600
04/24/94	SPM1*CDMHNSS*5	34649*8270/3540-G	4-NITROPHENOL	84	11-114	0.0	UG/KG-	6900	5800
04/24/94	SPM1*CDMHNSS*5	34614*8270/3540-G	2,4-DINITROTOLUENE	62	28-89	0.0	UG/KG-	3400	2100
04/24/94	SPM1*CDMHNSS*5	39061*8270/3540-G	PENTACHLOROPHENOL	122	17-109	0.0	UG/KG-	6900	8400
04/24/94	SPM1*CDMHNSS*5	34472*8270/3540-G	PYRENE	85	35-142	0.0	UG/KG-	3400	2900
04/24/94	SPM2*CDMHNSS*5	34695*8270/3540-G	PHENOL	107	26-90	0.0	UG/KG-	6900	7400
04/24/94	SPM2*CDMHNSS*5	34589*8270/3540-G	2-CHLOROPHENOL	107	25-102	0.0	UG/KG-	6900	7400
04/24/94	SPM2*CDMHNSS*5	34574*8270/3540-G	1,4-DICHLOROBENZENE	74	28-104	0.0	UG/KG-	3400	2500
04/24/94	SPM2*CDMHNSS*5	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	74	41-126	0.0	UG/KG-	3400	2500
04/24/94	SPM2*CDMHNSS*5	34554*8270/3540-G	1,2,4-TRICH'BENZENE	71	38-107	0.0	UG/KG-	3400	2400
04/24/94	SPM2*CDMHNSS*5	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	113	26-103	0.0	UG/KG-	6900	7800
04/24/94	SPM2*CDMHNSS*5	34208*8270/3540-G	ACENAPHTHENE	74	31-137	0.0	UG/KG-	3400	2500
04/24/94	SPM2*CDMHNSS*5	34649*8270/3540-G	4-NITROPHENOL	100	11-114	0.0	UG/KG-	6900	6900
04/24/94	SPM2*CDMHNSS*5	34614*8270/3540-G	2,4-DINITROTOLUENE	62	28-89	0.0	UG/KG-	3400	2100
04/24/94	SPM2*CDMHNSS*5	39061*8270/3540-G	PENTACHLOROPHENOL	126	17-109	0.0	UG/KG-	6900	8700
04/24/94	SPM2*CDMHNSS*5	34472*8270/3540-G	PYRENE	74	35-142	0.0	UG/KG-	3400	2500

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/24/94	MB*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6800	100	25-121
04/24/94	MB*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6010	90.1	24-113
04/24/94	MB*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2500	76	23-120
04/24/94	MB*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2400	73	30-115
04/24/94	MB*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	5050	75.7	19-122
04/24/94	MB*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2700	81.1	18-137
04/24/94	DA*CDMHNSS*5	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6900	100	25-121
04/24/94	DA*CDMHNSS*5	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6210	93.1	24-113
04/24/94	DA*CDMHNSS*5	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2500	76	23-120
04/24/94	DA*CDMHNSS*5	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2700	82	30-115
04/24/94	DA*CDMHNSS*5	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6030	90.4	19-122
04/24/94	DA*CDMHNSS*5	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2760	82.9	18-137
04/24/94	DA*CDMHNSS*6	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6700	100	25-121
04/24/94	DA*CDMHNSS*6	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6270	94.0	24-113
04/24/94	DA*CDMHNSS*6	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2600	79	23-120
04/24/94	DA*CDMHNSS*6	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
04/24/94	DA*CDMHNSS*6	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	5510	82.6	19-122
04/24/94	DA*CDMHNSS*6	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3060	91.9	18-137
04/24/94	SPM1*CDMHNSS*5	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6600	99	25-121
04/24/94	SPM1*CDMHNSS*5	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6540	98.1	24-113
04/24/94	SPM1*CDMHNSS*5	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
04/24/94	SPM1*CDMHNSS*5	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
04/24/94	SPM1*CDMHNSS*5	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	5970	89.5	19-122
04/24/94	SPM1*CDMHNSS*5	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3200	96.1	18-137
04/24/94	SPM2*CDMHNSS*5	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6800	100	25-121
04/24/94	SPM2*CDMHNSS*5	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6450	96.7	24-113
04/24/94	SPM2*CDMHNSS*5	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
04/24/94	SPM2*CDMHNSS*5	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
04/24/94	SPM2*CDMHNSS*5	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6110	91.6	19-122
04/24/94	SPM2*CDMHNSS*5	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2860	85.9	18-137
04/24/94	SP1*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6300	94	25-121
04/24/94	SP1*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6320	94.8	24-113
04/24/94	SP1*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
04/24/94	SP1*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2600	79	30-115
04/24/94	SP1*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	5760	86.4	19-122
04/24/94	SP1*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2520	75.7	18-137

ESE BATCH : G48390

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48390 Analysis Date: 04/24/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			PENTCLPHE
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			PENTCLPHE
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			PENTCLPHE
Surrogate present?	X		
Surrogate within acceptance criteria?		X	98325*SUR
			98326*SUR
			98327*SUR
			98330*SUR
			97448*SUR
			97449*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB:STANDARD MATRIX SPIKE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL:FOR PHENOL, THE SP1,SPM1,AND SPM2 RECOVERIES ARE 106%.111.6% AND 107.2% WITH AN UPPER LIMIT OF 90%. FOR 2-CHLOROPHENOL, THE SP1,SPM1, AND SPM2 RECOVERIES ARE 103%, 110.1%, AND 107.2%, WITH AN UPPER LIMIT OF 102%. FOR 4-CHLORO-3-METHYLPHENOL, THE SP1, SPM1, AND SPM2 RECOVERIES ARE 109%, 108.8%, AND 113% WITH AN UPPER LIMIT OF 103%. FOR PENTACHLOROPHENOL, THE SP1,SPM1, AND SPM2 RECOVERIES ARE 111.9%, 121.7%, AND 126.1% WITH AN UPPER LIMIT OF 109%. ALL OF THE ABOVE RECOVERIES ARE WITHIN THE RANGE OF HISTORIC DATA./SK./04-25-94. EM./04-25-94.

ESE BATCH : G48390

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 : G48396
CLASSIFICATION : ACID EXTR.-EPA 827)/1540(SOX)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR :
DATA ENTRY : PAUL HESTER

REPORT DATE/TIME : 05/20/94 06:59:35
ANALYSIS DATE : 04/24/94
EXTRACT DATE : 04/23/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK3

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*9	WA16-2-03	04/24/94	06:58PM
CDMHNSS*7	WA17-1-03	04/24/94	09:41PM
CDMHNSS*8	WA16-1-02	04/25/94	11:28AM

ESE BATCH : G48396

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98325 METHOD: SUR 2-FLUOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98326 METHOD: SUR PHENOL-D(5), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: 8270/3540-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34276 METHOD: 8270/3540-G BIS(2-CHLOROETHYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: 8270/3540-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: 8270/3540-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: 8270/3540-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: 8270/3540-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75212 METHOD: 8270/3540-G BENZYL ALCOHOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: 8270/3540-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: 8270/3540-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: 8270/3540-G BIS(2-CHL'ISOPROPYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: 8270/3540-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: 8270/3540-G HEXACHLOROETHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98327 METHOD: SUR NITROBENZENE-D(5), UG/KG-DRY GCMS

ESE BATCH G48396

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: 8270/3540-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: 8270/3540-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: 8270/3540-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: 8270/3540-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75315 METHOD: 8270/3540-G BENZOIC ACID, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2700 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34281 METHOD: 8270/3540-G BIS(2-CHLOROETHOXY) METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: 8270/3540-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: 8270/3540-G 1,2,4-TRICH'BENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: 8270/3540-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: 8270/3540-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: 8270/3540-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: 8270/3540-G 4-CHLORO-3-METHYL PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: 8270/3540-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: 8270/3540-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1000 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: 8270/3540-G 2,4,6-TRICH'PHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48396
DETECTION LIMIT=170 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: 8270/3540-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=170 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 98330 METHOD: SUR 2-FLUOROBIPHENYL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: 8270/3540-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: 8270/3540-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34344 METHOD: 8270/3540-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: 8270/3540-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=150 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: 8270/3540-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: 8270/3540-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: 8270/3540-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: 8270/3540-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1300 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34649 METHOD: 8270/3540-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: 8270/3540-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=120 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: 8270/3540-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: 8270/3540-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34644 METHOD: 8270/3540-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48396
STORET: 34384 METHOD: 8270/3540-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: 8270/3540-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=400 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: 8270/3540-G N-NITROSODIPHENYLAMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97448 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: 8270/3540-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=670 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: 8270/3540-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: 8270/3540-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: 8270/3540-G PENTACHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=250 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34464 METHOD: 8270/3540-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: 8270/3540-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: 8270/3540-G DI-N-BUTYL PHTHALATE , UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: 8270/3540-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: 8270/3540-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97449 METHOD: SUR TERPHENYL-D(14), UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: 8270/3540-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: 8270/3540-G 3,3-DICHLOROBENZIDINE, UG/KG-DRY GCMS

ESE BATCH : G48396
CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: 8270/3540-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: 8270/3540-G CHRYSENE UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: 8270/3540-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34599 METHOD: 8270/3540-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34233 METHOD: 8270/3540-G BENZO(B)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34245 METHOD: 8270/3540-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: 8270/3540-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: 8270/3540-G INDENO(1,2,3-CD) PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: 8270/3540-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: 8270/3540-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/23/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48396

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/24/94	MB*NONE*1	34695*8270/3540-G	PHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34276*8270/3540-G	BIS(2-CHLOROETHYL) ETHER	UG/KG-	ND
04/24/94	MB*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34569*8270/3540-G	1,3-DICHLOROBENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	34539*8270/3540-G	1,2-DICHLOROBENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	75212*8270/3540-G	BENZYL ALCOHOL	UG/KG-	ND
04/24/94	MB*NONE*1	78872*8270/3540-G	2-METHYLPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	78803*8270/3540-G	4-METHYLPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34286*8270/3540-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/KG-	ND
04/24/94	MB*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
04/24/94	MB*NONE*1	34399*8270/3540-G	HEXACHLOROETHANE	UG/KG-	ND
04/24/94	MB*NONE*1	34450*8270/3540-G	NITROBENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	34411*8270/3540-G	ISOPHORONE	UG/KG-	ND
04/24/94	MB*NONE*1	34594*8270/3540-G	2-NITROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34609*8270/3540-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	75315*8270/3540-G	BENZOIC ACID	UG/KG-	ND
04/24/94	MB*NONE*1	34281*8270/3540-G	BIS(2-CHLOROETHOXY) METHANE	UG/KG-	ND
04/24/94	MB*NONE*1	34604*8270/3540-G	2,4-DICHLOROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	34445*8270/3540-G	NAPHTHALENE	UG/KG-	ND
04/24/94	MB*NONE*1	78867*8270/3540-G	4-CHLOROANILINE	UG/KG-	ND
04/24/94	MB*NONE*1	39705*8270/3540-G	HEXACHLOROBUTADIENE	UG/KG-	ND
04/24/94	MB*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	78868*8270/3540-G	2-METHYLNAPHTHALENE	UG/KG-	ND
04/24/94	MB*NONE*1	34389*8270/3540-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
04/24/94	MB*NONE*1	34624*8270/3540-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	98587*8270/3540-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34584*8270/3540-G	2-CHLORONAPHTHALENE	UG/KG-	ND
04/24/94	MB*NONE*1	98588*8270/3540-G	2-NITROANILINE	UG/KG-	ND
04/24/94	MB*NONE*1	34344*8270/3540-G	DIMETHYL PHTHALATE	UG/KG-	ND
04/24/94	MB*NONE*1	34203*8270/3540-G	ACENAPHTHYLENE	UG/KG-	ND
04/24/94	MB*NONE*1	34629*8270/3540-G	2,6-DINITROTOLUENE	UG/KG-	ND
04/24/94	MB*NONE*1	78869*8270/3540-G	3-NITROANILINE	UG/KG-	ND
04/24/94	MB*NONE*1	34208*8270/3540-G	ACENAPHTHENE	UG/KG-	ND
04/24/94	MB*NONE*1	34619*8270/3540-G	2,4-DINITROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34649*8270/3540-G	4-NITROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	75647*8270/3540-G	DIBENZOFURAN	UG/KG-	ND
04/24/94	MB*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	UG/KG-	ND
04/24/94	MB*NONE*1	34339*8270/3540-G	DIETHYL PHTHALATE	UG/KG-	ND
04/24/94	MB*NONE*1	34644*8270/3540-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
04/24/94	MB*NONE*1	34384*8270/3540-G	FLUORENE	UG/KG-	ND
04/24/94	MB*NONE*1	78870*8270/3540-G	4-NITROANILINE	UG/KG-	ND
04/24/94	MB*NONE*1	34436*8270/3540-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
04/24/94	MB*NONE*1	34660*8270/3540-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34639*8270/3540-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
04/24/94	MB*NONE*1	39701*8270/3540-G	HEXACHLOROBENZENE	UG/KG-	ND
04/24/94	MB*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	UG/KG-	ND
04/24/94	MB*NONE*1	34464*8270/3540-G	PHENANTHRENE	UG/KG-	ND
04/24/94	MB*NONE*1	34223*8270/3540-G	ANTHRACENE	UG/KG-	ND
04/24/94	MB*NONE*1	39112*8270/3540-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
04/24/94	MB*NONE*1	34379*8270/3540-G	FLUORANTHENE	UG/KG-	ND
04/24/94	MB*NONE*1	34472*8270/3540-G	PYRENE	UG/KG-	ND
04/24/94	MB*NONE*1	34295*8270/3540-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
04/24/94	MB*NONE*1	34634*8270/3540-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
04/24/94	MB*NONE*1	34529*8270/3540-G	BENZO(A)ANTHRACENE	UG/KG-	ND
04/24/94	MB*NONE*1	34323*8270/3540-G	CHRYSENE	UG/KG-	ND
04/24/94	MB*NONE*1	39102*8270/3540-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG-	ND
04/24/94	MB*NONE*1	34599*8270/3540-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
04/24/94	MB*NONE*1	34233*8270/3540-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
04/24/94	MB*NONE*1	34245*8270/3540-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
04/24/94	MB*NONE*1	34250*8270/3540-G	BENZO(A)PYRENE	UG/KG-	ND
04/24/94	MB*NONE*1	34406*8270/3540-G	INDENO(1,2,3-CD) PYRENE	UG/KG-	ND
04/24/94	MB*NONE*1	34559*8270/3540-G	DIBEN(A,H)ANTH'CENE	UG/KG-	ND
04/24/94	MB*NONE*1	34524*8270/3540-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
4/24/94	SP1*NONE*1	34695*8270/3540-G	PHENOL	103	26-90	UG/KG-	6700	6900
04/24/94	SP1*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	100	25-102	UG/KG-	6700	6700
04/24/94	SP1*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	82	28-104	UG/KG-	3300	2700
04/24/94	SP1*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	85	41-126	UG/KG-	3300	2800

ESE BATCH : G48396

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/24/94	SP1*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	82	38-107	UG/KG-	3300	2700
04/24/94	SP1*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	101	26-103	UG/KG-	6700	6800
04/24/94	SP1*NONE*1	34208*8270/3540-G	ACENAPHTHENE	85	31-137	UG/KG-	3300	2800
04/24/94	SP1*NONE*1	34649*8270/3540-G	4-NITROPHENOL	81	11-114	UG/KG-	6700	5400
04/24/94	SP1*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	73	28-89	UG/KG-	3300	2400
04/24/94	SP1*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	109	17-109	UG/KG-	6700	7300
04/24/94	SP1*NONE*1	34472*8270/3540-G	PYRENE	85	35-142	UG/KG-	3300	2800

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/24/94	SPM1*CDMHNSS*9	34695*8270/3540-G	PHENOL	100	26-90	0.0	UG/KG-	7100	7100
04/24/94	SPM1*CDMHNSS*9	34589*8270/3540-G	2-CHLOROPHENOL	92	25-102	0.0	UG/KG-	7100	6500
04/24/94	SPM1*CDMHNSS*9	34574*8270/3540-G	1,4-DICHLOROBENZENE	74	28-104	0.0	UG/KG-	3500	2600
04/24/94	SPM1*CDMHNSS*9	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	80	41-126	0.0	UG/KG-	3500	2800
04/24/94	SPM1*CDMHNSS*9	34554*8270/3540-G	1,2,4-TRICH'BENZENE	77	38-107	0.0	UG/KG-	3500	2700
04/24/94	SPM1*CDMHNSS*9	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	93	26-103	0.0	UG/KG-	7100	6600
04/24/94	SPM1*CDMHNSS*9	34208*8270/3540-G	ACENAPHTHENE	80	31-137	0.0	UG/KG-	3500	2800
04/24/94	SPM1*CDMHNSS*9	34649*8270/3540-G	4-NITROPHENOL	83	11-114	0.0	UG/KG-	7100	5900
04/24/94	SPM1*CDMHNSS*9	34614*8270/3540-G	2,4-DINITROTOLUENE	69	28-89	0.0	UG/KG-	3500	2400
04/24/94	SPM1*CDMHNSS*9	39061*8270/3540-G	PENTACHLOROPHENOL	100	17-109	0.0	UG/KG-	7100	7100
04/24/94	SPM1*CDMHNSS*9	34472*8270/3540-G	PYRENE	80	35-142	0.0	UG/KG-	3500	2800
04/24/94	SPM2*CDMHNSS*9	34695*8270/3540-G	PHENOL	103	26-90	0.0	UG/KG-	7100	7300
04/24/94	SPM2*CDMHNSS*9	34589*8270/3540-G	2-CHLOROPHENOL	99	25-102	0.0	UG/KG-	7100	7000
04/24/94	SPM2*CDMHNSS*9	34574*8270/3540-G	1,4-DICHLOROBENZENE	83	28-104	0.0	UG/KG-	3500	2900
04/24/94	SPM2*CDMHNSS*9	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	83	41-126	0.0	UG/KG-	3500	2900
04/24/94	SPM2*CDMHNSS*9	34554*8270/3540-G	1,2,4-TRICH'BENZENE	83	38-107	0.0	UG/KG-	3500	2900
04/24/94	SPM2*CDMHNSS*9	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	96	26-103	0.0	UG/KG-	7100	6800
04/24/94	SPM2*CDMHNSS*9	34208*8270/3540-G	ACENAPHTHENE	83	31-137	0.0	UG/KG-	3500	2900
04/24/94	SPM2*CDMHNSS*9	34649*8270/3540-G	4-NITROPHENOL	90	11-114	0.0	UG/KG-	7100	6400
04/24/94	SPM2*CDMHNSS*9	34614*8270/3540-G	2,4-DINITROTOLUENE	71	28-89	0.0	UG/KG-	3500	2500
04/24/94	SPM2*CDMHNSS*9	39061*8270/3540-G	PENTACHLOROPHENOL	108	17-109	0.0	UG/KG-	7100	7700
04/24/94	SPM2*CDMHNSS*9	34472*8270/3540-G	PYRENE	83	35-142	0.0	UG/KG-	3500	2900

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/24/94	MB*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6600	99	25-121
04/24/94	MB*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6320	94.8	24-113
04/24/94	MB*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
04/24/94	MB*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2400	73	30-115
04/24/94	MB*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	5580	83.7	19-122
04/24/94	MB*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2900	87.1	18-137
04/24/94	SP1*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6400	96	25-121
04/24/94	SP1*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6460	96.9	24-113
04/24/94	SP1*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
04/24/94	SP1*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2400	73	30-115
04/24/94	SP1*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6430	96.4	19-122
04/24/94	SP1*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2780	83.5	18-137
04/24/94	DA*CDMHNSS*9	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6900	100	25-121
04/24/94	DA*CDMHNSS*9	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6480	97.2	24-113
04/24/94	DA*CDMHNSS*9	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3000	91	23-120
04/24/94	DA*CDMHNSS*9	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
04/24/94	DA*CDMHNSS*9	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	5680	85.2	19-122
04/24/94	DA*CDMHNSS*9	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2990	89.8	18-137
04/24/94	SPM1*CDMHNSS*9	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6500	97	25-121
04/24/94	SPM1*CDMHNSS*9	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6590	98.8	24-113
04/24/94	SPM1*CDMHNSS*9	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
04/24/94	SPM1*CDMHNSS*9	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
04/24/94	SPM1*CDMHNSS*9	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6620	99.3	19-122
04/24/94	SPM1*CDMHNSS*9	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2880	86.5	18-137
04/24/94	SPM2*CDMHNSS*9	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6800	100	25-121
04/24/94	SPM2*CDMHNSS*9	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6640	99.6	24-113
04/24/94	SPM2*CDMHNSS*9	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
04/24/94	SPM2*CDMHNSS*9	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
04/24/94	SPM2*CDMHNSS*9	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6260	93.9	19-122
04/24/94	SPM2*CDMHNSS*9	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2730	82.0	18-137
04/24/94	DA*CDMHNSS*7	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	ND		25-121
04/24/94	DA*CDMHNSS*7	98326*SUR	PHENOL-D(5)	UG/KG-	6670	ND		24-113
04/24/94	DA*CDMHNSS*7	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	ND		23-120
04/24/94	DA*CDMHNSS*7	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	ND		30-115
04/24/94	DA*CDMHNSS*7	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	ND		19-122
04/24/94	DA*CDMHNSS*7	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	ND		18-137

ESE BATCH : G48396

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/25/94	DA*CDMHNSS*8	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	ND		25-121
04/25/94	DA*CDMHNSS*8	98326*SUR	PHENOL-D(5)	UG/KG-	6670	ND		24-113
04/25/94	DA*CDMHNSS*8	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	ND		23-120
04/25/94	DA*CDMHNSS*8	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	ND		30-115
04/25/94	DA*CDMHNSS*8	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	ND		19-122
04/25/94	DA*CDMHNSS*8	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	ND		18-137

ESE BATCH G48396

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48396 Analysis Date: 04/24/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PHENOL
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	PHENOL
Surrogate present?	X		
Surrogate within acceptance criteria?		X	98325*SUR
			98326*SUR
			98327*SUR
			98330*SUR
			97448*SUR
			97449*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB.:STANDARD MATRIX SPIKE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL.:FOR PHENOL, THE SP1, SPM1, AND SPM2, THE PHENOL RECOVERIES ARE 103%, 100%, AND 102.8% WITH ON UPPER LIMIT OF 90%. THIS RECOVERY IS WITHIN THE RANGE OF HISTORIC DATA.
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL.:SAME AS ABOVE.
PROB.:SAMPLE MATRIX SPIKE DUPLICATE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL.:SAME AS ABOVE.
PROB.:SURROGATE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL.:FOR SAMPLES CDMHNSS*7,8 THE ONLY MATRIX MATRIX REQUIRED A DILUTION OF 100 TIMES. AT THIS LEVEL OF DILUTION, THE SURROGATES ARE BELOW THE DETECTION LIMITS./WSK

ESE BATCH : G48396

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 : G48519
CLASSIFICATION : ACID EXTR.-EPA 8270/3540 SOIL

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR : DONNA CREWS
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/20/94 07:02:31
ANALYSIS DATE : 04/27/94
EXTRACT DATE : 04/26/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK4

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*11	WA07-2-05	04/27/94	11:35AM
CDMHNSS*12	WA05-1-04	04/27/94	12:30PM
CDMHNSS*10	WA07-1-01	04/27/94	01:25PM

ESE BATCH : G48519

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98325 METHOD: SUR 2-FLUOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98326 METHOD: SUR PHENOL-D(5), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: 8270/3540-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34276 METHOD: 8270/3540-G BIS(2-CHLOROETHYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: 8270/3540-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: 8270/3540-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: 8270/3540-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: 8270/3540-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75212 METHOD: 8270/3540-G BENZYL ALCOHOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: 8270/3540-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: 8270/3540-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: 8270/3540-G BIS(2-CHL'ISOPROPYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: 8270/3540-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: 8270/3540-G HEXACHLOROETHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98327 METHOD: SUR NITROBENZENE-D(5), UG/KG-DRY GCMS

ESE BATCH : G48519

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: 8270/3540-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: 8270/3540-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: 8270/3540-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: 8270/3540-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75315 METHOD: 8270/3540-G BENZOIC ACID, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2700 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34281 METHOD: 8270/3540-G BIS(2-CHLOROETHOXY) METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: 8270/3540-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: 8270/3540-G 1,2,4-TRICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: 8270/3540-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: 8270/3540-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: 8270/3540-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: 8270/3540-G 4-CHLORO-3-METHYL PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: 8270/3540-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: 8270/3540-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1000 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: 8270/3540-G 2,4,6-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48519
DETECTION LIMIT=170 DATE: 04/25/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: 8270/3540-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=170 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98330 METHOD: SUR 2-FLUOROBIPHENYL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: 8270/3540-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: 8270/3540-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34344 METHOD: 8270/3540-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: 8270/3540-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=150 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: 8270/3540-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: 8270/3540-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: 8270/3540-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: 8270/3540-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1300 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: 8270/3540-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: 8270/3540-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=120 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: 8270/3540-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: 8270/3540-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34644 METHOD: 8270/3540-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH G48519
STORET: 34384 METHOD: 8270/3540-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: 8270/3540-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=400 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: 8270/3540-G N-NITROSODIPHE'AMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97448 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: 8270/3540-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=670 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: 8270/3540-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: 8270/3540-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: 8270/3540-G PENTACHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=250 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34464 METHOD: 8270/3540-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: 8270/3540-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: 8270/3540-G DI-N-BUTYL PHTHALATE , UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: 8270/3540-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: 8270/3540-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97449 METHOD: SUR TERPHENYL-D(14), UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: 8270/3540-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: 8270/3540-G 3,3-DICHL'BENZIDINE, UG/KG-DRY GCMS

ESE BATCH : G48519
CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: 8270/3540-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: 8270/3540-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: 8270/3540-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/KG DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: 8270/3540-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: 8270/3540-G BENZO(B)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34245 METHOD: 8270/3540-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: 8270/3540-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: 8270/3540-G INDENO(1,2,3-CD) PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: 8270/3540-G DIBEN(A,H)ANTH'CENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: 8270/3540-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48519

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/27/94	MB*NONE*1	34695*8270/3540-G	PHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	34276*8270/3540-G	BIS(2-CHLOROETHYL ETHER	UG/KG-	ND
04/27/94	MB*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	34569*8270/3540-G	1,3-DICHLOROBENZENE	UG/KG-	ND
04/27/94	MB*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	UG/KG-	ND
04/27/94	MB*NONE*1	34539*8270/3540-G	1,2-DICHLOROBENZENE	UG/KG-	ND
04/27/94	MB*NONE*1	75212*8270/3540-G	BENZYL ALCOHOL	UG/KG-	ND
04/27/94	MB*NONE*1	78872*8270/3540-G	2-METHYLPHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	78803*8270/3540-G	4-METHYLPHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	34286*8270/3540-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/KG-	ND
04/27/94	MB*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
04/27/94	MB*NONE*1	34399*8270/3540-G	HEXACHLOROETHANE	UG/KG-	ND
04/27/94	MB*NONE*1	34450*8270/3540-G	NITROBENZENE	UG/KG-	ND
04/27/94	MB*NONE*1	34411*8270/3540-G	ISOPHORONE	UG/KG-	ND
04/27/94	MB*NONE*1	34594*8270/3540-G	2-NITROPHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	34609*8270/3540-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	75315*8270/3540-G	BENZOIC ACID	UG/KG-	ND
04/27/94	MB*NONE*1	34281*8270/3540-G	BIS(2-CHLOROETHOXY) METHANE	UG/KG-	ND
04/27/94	MB*NONE*1	34604*8270/3540-G	2,4-DICHLOROPHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
04/27/94	MB*NONE*1	34445*8270/3540-G	NAPHTHALENE	UG/KG-	ND
04/27/94	MB*NONE*1	78867*8270/3540-G	4-CHLOROANILINE	UG/KG-	ND
04/27/94	MB*NONE*1	39705*8270/3540-G	HEXACHLOROBUTADIENE	UG/KG-	ND
04/27/94	MB*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	78868*8270/3540-G	2-METHYLNAPHTHALENE	UG/KG-	ND
04/27/94	MB*NONE*1	34389*8270/3540-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
04/27/94	MB*NONE*1	34624*8270/3540-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	98587*8270/3540-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	34584*8270/3540-G	2-CHLORONAPHTHALENE	UG/KG-	ND
04/27/94	MB*NONE*1	98588*8270/3540-G	2-NITROANILINE	UG/KG-	ND
04/27/94	MB*NONE*1	34344*8270/3540-G	DIMETHYL PHTHALATE	UG/KG-	ND
04/27/94	MB*NONE*1	34203*8270/3540-G	ACENAPHTHYLENE	UG/KG-	ND
04/27/94	MB*NONE*1	34629*8270/3540-G	2,6-DINITROTOLUENE	UG/KG-	ND
04/27/94	MB*NONE*1	78869*8270/3540-G	3-NITROANILINE	UG/KG-	ND
04/27/94	MB*NONE*1	34208*8270/3540-G	ACENAPHTHENE	UG/KG-	ND
04/27/94	MB*NONE*1	34619*8270/3540-G	2,4-DINITROPHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	34649*8270/3540-G	4-NITROPHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	75647*8270/3540-G	DIBENZOFURAN	UG/KG-	ND
04/27/94	MB*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	UG/KG-	ND
04/27/94	MB*NONE*1	34339*8270/3540-G	DIETHYL PHTHALATE	UG/KG-	ND
04/27/94	MB*NONE*1	34644*8270/3540-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
04/27/94	MB*NONE*1	34384*8270/3540-G	FLUORENE	UG/KG-	ND
04/27/94	MB*NONE*1	78870*8270/3540-G	4-NITROANILINE	UG/KG-	ND
04/27/94	MB*NONE*1	34436*8270/3540-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
04/27/94	MB*NONE*1	34660*8270/3540-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	34639*8270/3540-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
04/27/94	MB*NONE*1	39701*8270/3540-G	HEXACHLOROBENZENE	UG/KG-	ND
04/27/94	MB*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	UG/KG-	ND
04/27/94	MB*NONE*1	34464*8270/3540-G	PHENANTHRENE	UG/KG-	ND
04/27/94	MB*NONE*1	34223*8270/3540-G	ANTHRACENE	UG/KG-	ND
04/27/94	MB*NONE*1	39112*8270/3540-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
04/27/94	MB*NONE*1	34379*8270/3540-G	FLUORANTHENE	UG/KG-	ND
04/27/94	MB*NONE*1	34472*8270/3540-G	PYRENE	UG/KG-	ND
04/27/94	MB*NONE*1	34295*8270/3540-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
04/27/94	MB*NONE*1	34634*8270/3540-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
04/27/94	MB*NONE*1	34529*8270/3540-G	BENZO(A)ANTHRACENE	UG/KG-	ND
04/27/94	MB*NONE*1	34323*8270/3540-G	CHRYSENE	UG/KG-	ND
04/27/94	MB*NONE*1	39102*8270/3540-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG-	130
04/27/94	MB*NONE*1	34599*8270/3540-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
04/27/94	MB*NONE*1	34233*8270/3540-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
04/27/94	MB*NONE*1	34245*8270/3540-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
04/27/94	MB*NONE*1	34250*8270/3540-G	BENZO(A)PYRENE	UG/KG-	ND
04/27/94	MB*NONE*1	34406*8270/3540-G	INDENO(1,2,3-CD) PYRENE	UG/KG-	ND
04/27/94	MB*NONE*1	34559*8270/3540-G	DIBEN(A,H)ANTH'CENE	UG/KG-	ND
04/27/94	MB*NONE*1	34524*8270/3540-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/27/94	SP1*NONE*1	34695*8270/3540-G	PHENOL	112	26-90	UG/KG-	6700	7500
04/27/94	SP1*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	115	25-102	UG/KG-	6700	7700
04/27/94	SP1*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	91	28-104	UG/KG-	3300	3000
04/27/94	SP1*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	79	41-126	UG/KG-	3300	2600

ESE BATCH : G48519

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/27/94	SP1*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	91	38-107	UG/KG-	3300	3000
04/27/94	SP1*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	107	26-103	UG/KG-	6700	7200
04/27/94	SP1*NONE*1	34208*8270/3540-G	ACENAPHTHENE	94	31-137	UG/KG-	3300	3100
04/27/94	SP1*NONE*1	34649*8270/3540-G	4-NITROPHENOL	107	11-114	UG/KG-	6700	7200
04/27/94	SP1*NONE*1	34624*8270/3540-G	2,4-DINITROTOLUENE	79	28-89	UG/KG-	3300	2600
04/27/94	SP1*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	131	17-109	UG/KG-	6700	8800
04/27/94	SP1*NONE*1	34472*8270/3540-G	PYRENE	124	35-142	UG/KG-	3300	4100

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/27/94	SPM1*CDMHNSS*10	34695*8270/3540-G	PHENOL	109	26-90	0.0	UG/KG-	6900	7500
04/27/94	SPM1*CDMHNSS*10	34589*8270/3540-G	2-CHLOROPHENOL	109	25-102	0.0	UG/KG-	6900	7500
04/27/94	SPM1*CDMHNSS*10	34574*8270/3540-G	1,4-DICHLOROBENZENE	85	28-104	0.0	UG/KG-	3400	2900
04/27/94	SPM1*CDMHNSS*10	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	79	41-126	0.0	UG/KG-	3400	2700
04/27/94	SPM1*CDMHNSS*10	34554*8270/3540-G	1,2,4-TRICH'BENZENE	88	38-107	0.0	UG/KG-	3400	3000
04/27/94	SPM1*CDMHNSS*10	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	117	26-103	0.0	UG/KG-	6900	8100
04/27/94	SPM1*CDMHNSS*10	34208*8270/3540-G	ACENAPHTHENE	91	31-137	0.0	UG/KG-	3400	3100
04/27/94	SPM1*CDMHNSS*10	34649*8270/3540-G	4-NITROPHENOL	122	11-114	0.0	UG/KG-	6900	8400
04/27/94	SPM1*CDMHNSS*10	34614*8270/3540-G	2,4-DINITROTOLUENE	85	28-89	0.0	UG/KG-	3400	2900
04/27/94	SPM1*CDMHNSS*10	39061*8270/3540-G	PENTACHLOROPHENOL	143	17-109	0.0	UG/KG-	6900	9900
04/27/94	SPM1*CDMHNSS*10	34472*8270/3540-G	PYRENE	115	35-142	0.0	UG/KG-	3400	3900
04/27/94	SPM2*CDMHNSS*10	34695*8270/3540-G	PHENOL	97	26-90	0.0	UG/KG-	6900	6700
04/27/94	SPM2*CDMHNSS*10	34589*8270/3540-G	2-CHLOROPHENOL	100	25-102	0.0	UG/KG-	6900	6900
04/27/94	SPM2*CDMHNSS*10	34574*8270/3540-G	1,4-DICHLOROBENZENE	85	28-104	0.0	UG/KG-	3400	2900
04/27/94	SPM2*CDMHNSS*10	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	71	41-126	0.0	UG/KG-	3400	2400
04/27/94	SPM2*CDMHNSS*10	34554*8270/3540-G	1,2,4-TRICH'BENZENE	91	38-107	0.0	UG/KG-	3400	3100
04/27/94	SPM2*CDMHNSS*10	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	87	26-103	0.0	UG/KG-	6900	6000
04/27/94	SPM2*CDMHNSS*10	34208*8270/3540-G	ACENAPHTHENE	85	31-137	0.0	UG/KG-	3400	2900
04/27/94	SPM2*CDMHNSS*10	34649*8270/3540-G	4-NITROPHENOL	28	11-114	0.0	UG/KG-	6900	1900
04/27/94	SPM2*CDMHNSS*10	34614*8270/3540-G	2,4-DINITROTOLUENE	47	28-89	0.0	UG/KG-	3400	1600
04/27/94	SPM2*CDMHNSS*10	39061*8270/3540-G	PENTACHLOROPHENOL	100	17-109	0.0	UG/KG-	6900	6900
04/27/94	SPM2*CDMHNSS*10	34472*8270/3540-G	PYRENE	138	35-142	0.0	UG/KG-	3400	4700

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/27/94	MB*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7900	120	25-121
04/27/94	MB*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6770	101	24-113
04/27/94	MB*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
04/27/94	MB*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3100	94	30-115
04/27/94	MB*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6790	102	19-122
04/27/94	MB*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	4240	127	18-137
04/27/94	DA*CDMHNSS*11	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	8200	120	25-121
04/27/94	DA*CDMHNSS*11	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7220	108	24-113
04/27/94	DA*CDMHNSS*11	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2900	88	23-120
04/27/94	DA*CDMHNSS*11	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3100	94	30-115
04/27/94	DA*CDMHNSS*11	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7000	105	19-122
04/27/94	DA*CDMHNSS*11	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	4430	133	18-137
04/27/94	DA*CDMHNSS*12	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	8100	120	25-121
04/27/94	DA*CDMHNSS*12	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7110	107	24-113
04/27/94	DA*CDMHNSS*12	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
04/27/94	DA*CDMHNSS*12	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3000	91	30-115
04/27/94	DA*CDMHNSS*12	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7350	110	19-122
04/27/94	DA*CDMHNSS*12	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	4050	122	18-137
04/27/94	DA*CDMHNSS*10	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7300	110	25-121
04/27/94	DA*CDMHNSS*10	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6410	96.1	24-113
04/27/94	DA*CDMHNSS*10	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2900	88	23-120
04/27/94	DA*CDMHNSS*10	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3000	91	30-115
04/27/94	DA*CDMHNSS*10	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7760	116	19-122
04/27/94	DA*CDMHNSS*10	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	4170	125	18-137
04/27/94	SPM1*CDMHNSS*10	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7300	110	25-121
04/27/94	SPM1*CDMHNSS*10	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6780	102	24-113
04/27/94	SPM1*CDMHNSS*10	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2900	88	23-120
04/27/94	SPM1*CDMHNSS*10	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3000	91	30-115
04/27/94	SPM1*CDMHNSS*10	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	8280	124	19-122
04/27/94	SPM1*CDMHNSS*10	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3760	113	18-137
04/27/94	SPM2*CDMHNSS*10	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6900	100	25-121
04/27/94	SPM2*CDMHNSS*10	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6410	96.1	24-113
04/27/94	SPM2*CDMHNSS*10	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2900	88	23-120
04/27/94	SPM2*CDMHNSS*10	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3400	100	30-115
04/27/94	SPM2*CDMHNSS*10	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	4610	69.1	19-122
04/27/94	SPM2*CDMHNSS*10	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	4410	132	18-137

ESE BATCH : G48519

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/27/94	SP1*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7800	120	25-121
04/27/94	SP1*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7110	107	24-113
04/27/94	SP1*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3000	91	23-120
04/27/94	SP1*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3000	91	30-115
04/27/94	SP1*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7550	113	19-122
04/27/94	SP1*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	4000	120	18-137

ESE BATCH : G48519

Environmental Science and Engineering Analytical Services

Compute: QC Checks

Batch No.: G48519 Analysis Date: 04/27/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			PENTCLPHE
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			4NITROPHE
			PENTCLPHE
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	PHENOL
			4NITROPHE
			24DINITOL
Surrogate present?	X		
Surrogate within acceptance criteria?		X	98325*SUR
			98326*SUR
			98327*SUR
			98330*SUR
			97448*SUR
			97449*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB.:STANDARD MATRIX SPIKE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL.:FOR THE MATRIX SPIKE COMPOUNDS PHENOL, 2-CHLOROPHENOL, 4-CHLORO-3-METHYLPHENOL, 4-NITROPHENOL, AND PENTACHLOROPHENOL, THE RECOVERIES WERE ABOVE THE UPPER CRITERIA YET WITHIN THE RANGE OF HISTORICAL DATA FOR CERTAIN SPIKES. FOR 4-NITROPHENOL AND 2,4-DNT, THE RPD WAS ABOVE THE UPPER CRITERIA. THIS FAILURE WAS DUE TO POURING OF THE INJECTION MECHANISM BY THE SAMPLE MATRIX. THE SPM2 WAS REINJECTED WITH SIMILAR RESULTS. FOR CDMHNSS*11, THE 2-FLUOROPHENOL RECOVERY WAS ABOVE THE UPPER

LIMIT. FOR SPM1, THE 2,4,6-TRIBROMOPHENOL RECOVERY
WAS ABOVE THE UPPER LIMIT. CLP CRITERIA ALLOW FOR
THE FAILURE OF ONE ACID AND ONE BASE./WSK
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK
PROB.:SAMPLE MATRIX SPIKE DUPLICATE NOT
WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK
PROB.:SURROGATE NOT WITHIN ACCEPTANCE
CRITERIA.
EXPL.:SEE ABOVE./WSK

ESE BATCH : G48519

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 : G48567
CLASSIFICATION : ACID EXTR.-EPA 8270/3540(SOX)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR : ABRAHAM JACOB
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/20/94 07:05:20
ANALYSIS DATE : 04/28/94
EXTRACT DATE : 04/27/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK5 BATCH REUPLOADED ON 05/03/94./TLR

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*14	WA05-3-04	05/01/94	10:49PM
CDMHNSS*15	WA04-1-05	05/01/94	11:43PM
CDMHNSS*16	WA04-2-12	05/02/94	12:38AM
CDMHNSS*13	WA05-2-03	05/02/94	01:32AM

ESE BATCH : G48567

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98325 METHOD: SUR 2-FLUOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98326 METHOD: SUR PHENOL-D(5), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: 8270/3540-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34276 METHOD: 8270/3540-G BIS(2-CHLOROETHYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: 8270/3540-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: 8270/3540-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: 8270/3540-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: 8270/3540-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75212 METHOD: 8270/3540-G BENZYL ALCOHOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: 8270/3540-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: 8270/3540-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: 8270/3540-G BIS(2-CHL'ISOPROPYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: 8270/3540-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: 8270/3540-G HEXACHLOROETHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98327 METHOD: SUR NITROBENZENE-D(5), UG/KG-DRY GCMS

ESE BATCH : G48567

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: 8270/3540-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: 8270/3540-G ISOPHORONE, UG/KG DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: 8270/3540-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: 8270/3540-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75315 METHOD: 8270/3540-G BENZOIC ACID, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2700 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34281 METHOD: 8270/3540-G BIS(2-CHLOROETHOXY) METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: 8270/3540-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: 8270/3540-G 1,2,4-TRICH'BENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: 8270/3540-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: 8270/3540-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: 8270/3540-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: 8270/3540-G 4-CHLORO-3-METHYL PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: 8270/3540-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: 8270/3540-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1000 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: 8270/3540-G 2,4,6-TRICH'PHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48567
DETECTION LIMIT=170 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: 8270/3540-G 2,4,5-TRICH'PHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=170 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98330 METHOD: SUR 2-FLUOROBIPHENYL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: 8270/3540-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: 8270/3540-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW.

STORET: 34344 METHOD: 8270/3540-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: 8270/3540-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=150 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: 8270/3540-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: 8270/3540-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: 8270/3540-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: 8270/3540-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1300 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: 8270/3540-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: 8270/3540-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=120 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: 8270/3540-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: 8270/3540-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34644 METHOD: 8270/3540-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48567
STORET: 34384 METHOD: 8270/3540-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: 8270/3540-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=400 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: 8270/3540-G N-NITROSODIPHENYLAMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97448 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: 8270/3540-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=670 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: 8270/3540-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: 8270/3540-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: 8270/3540-G PENTACHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=250 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34464 METHOD: 8270/3540-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: 8270/3540-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: 8270/3540-G DI-N-BUTYL PHTHALATE , UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: 8270/3540-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: 8270/3540-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97449 METHOD: SUR TERPHENYL-D(14), UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: 8270/3540-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: 8270/3540-G 3,3-DICHLOROBENZIDINE, UG/KG-DRY GCMS

ESE BATCH : G48567
CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: 8270/3540-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: 8270/3540-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: 8270/3540-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: 8270/3540-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: 8270/3540-G BENZO(B)FLUORANTHENE UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34245 METHOD: 8270/3540-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: 8270/3540-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: 8270/3540-G INDENO(1,2,3-CD) PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: 8270/3540-G DIBEN(A,H)ANTH'CENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: 8270/3540-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48567

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/01/94	MB*NONE*1	34695*8270/3540-G	PHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	34276*8270/3540-G	BIS(2-CHLOROETHYL) ETHER	UG/KG-	ND
05/01/94	MB*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	34569*8270/3540-G	1,3-DICHLOROBENZENE	UG/KG-	ND
05/01/94	MB*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	UG/KG-	ND
05/01/94	MB*NONE*1	34539*8270/3540-G	1,2-DICHLOROBENZENE	UG/KG-	ND
05/01/94	MB*NONE*1	75212*8270/3540-G	BENZYL ALCOHOL	UG/KG-	ND
05/01/94	MB*NONE*1	78872*8270/3540-G	2-METHYLPHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	78803*8270/3540-G	4-METHYLPHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	34286*8270/3540-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/KG-	ND
05/01/94	MB*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
05/01/94	MB*NONE*1	34399*8270/3540-G	HEXACHLOROETHANE	UG/KG-	ND
05/01/94	MB*NONE*1	34450*8270/3540-G	NITROBENZENE	UG/KG-	ND
05/01/94	MB*NONE*1	34411*8270/3540-G	ISOPHORONE	UG/KG-	ND
05/01/94	MB*NONE*1	34594*8270/3540-G	2-NITROPHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	34609*8270/3540-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	75315*8270/3540-G	BENZOIC ACID	UG/KG-	ND
05/01/94	MB*NONE*1	34281*8270/3540-G	BIS(2-CHLOROETHOXY METHANE	UG/KG-	ND
05/01/94	MB*NONE*1	34604*8270/3540-G	2,4-DICHLOROPHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
05/01/94	MB*NONE*1	34445*8270/3540-G	NAPHTHALENE	UG/KG-	ND
05/01/94	MB*NONE*1	78867*8270/3540-G	4-CHLOROANILINE	UG/KG-	ND
05/01/94	MB*NONE*1	39705*8270/3540-G	HEXACHLOROBUTADIENE	UG/KG-	ND
05/01/94	MB*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	78868*8270/3540-G	2-METHYLNAPHTHALENE	UG/KG-	ND
05/01/94	MB*NONE*1	34389*8270/3540-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
05/01/94	MB*NONE*1	34624*8270/3540-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	98587*8270/3540-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	34584*8270/3540-G	2-CHLORONAPHTHALENE	UG/KG-	ND
05/01/94	MB*NONE*1	98588*8270/3540-G	2-NITROANILINE	UG/KG-	ND
05/01/94	MB*NONE*1	34344*8270/3540-G	DIMETHYL PHTHALATE	UG/KG-	ND
05/01/94	MB*NONE*1	34203*8270/3540-G	ACENAPHTHYLENE	UG/KG-	ND
05/01/94	MB*NONE*1	34629*8270/3540-G	2,6-DINITROTOLUENE	UG/KG-	ND
05/01/94	MB*NONE*1	78869*8270/3540-G	3-NITROANILINE	UG/KG-	ND
05/01/94	MB*NONE*1	34208*8270/3540-G	ACENAPHTHENE	UG/KG-	ND
05/01/94	MB*NONE*1	34619*8270/3540-G	2,4-DINITROPHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	34649*8270/3540-G	4-NITROPHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	75647*8270/3540-G	DIBENZOFURAN	UG/KG-	ND
05/01/94	MB*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	UG/KG-	ND
05/01/94	MB*NONE*1	34339*8270/3540-G	DIETHYL PHTHALATE	UG/KG-	ND
05/01/94	MB*NONE*1	34644*8270/3540-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
05/01/94	MB*NONE*1	34384*8270/3540-G	FLUORENE	UG/KG-	ND
05/01/94	MB*NONE*1	78870*8270/3540-G	4-NITROANILINE	UG/KG-	ND
05/01/94	MB*NONE*1	34436*8270/3540-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
05/01/94	MB*NONE*1	34660*8270/3540-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	34639*8270/3540-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
05/01/94	MB*NONE*1	39701*8270/3540-G	HEXACHLOROBENZENE	UG/KG-	ND
05/01/94	MB*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	UG/KG-	ND
05/01/94	MB*NONE*1	34464*8270/3540-G	PHENANTHRENE	UG/KG-	ND
05/01/94	MB*NONE*1	34223*8270/3540-G	ANTHRACENE	UG/KG-	ND
05/01/94	MB*NONE*1	39112*8270/3540-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
05/01/94	MB*NONE*1	34379*8270/3540-G	FLUORANTHENE	UG/KG-	ND
05/01/94	MB*NONE*1	34472*8270/3540-G	PYRENE	UG/KG-	ND
05/01/94	MB*NONE*1	34295*8270/3540-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
05/01/94	MB*NONE*1	34634*8270/3540-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
05/01/94	MB*NONE*1	34529*8270/3540-G	BENZO(A)ANTHRACENE	UG/KG-	ND
05/01/94	MB*NONE*1	34323*8270/3540-G	CHRYSENE	UG/KG-	ND
05/01/94	MB*NONE*1	39102*8270/3540-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG-	ND
05/01/94	MB*NONE*1	34599*8270/3540-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
05/01/94	MB*NONE*1	34233*8270/3540-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
05/01/94	MB*NONE*1	34245*8270/3540-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
05/01/94	MB*NONE*1	34250*8270/3540-G	BENZO(A)PYRENE	UG/KG-	ND
05/01/94	MB*NONE*1	34406*8270/3540-G	INDENO(1,2,3-CD) PYRENE	UG/KG-	ND
05/01/94	MB*NONE*1	34559*8270/3540-G	DIBEN(A,H)ANTH'CENE	UG/KG-	ND
05/01/94	MB*NONE*1	34524*8270/3540-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/02/94	SP1*NONE*1	34695*8270/3540-G	PHENOL	107	26-90	UG/KG-	6700	7200
05/02/94	SP1*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	110	25-102	UG/KG-	6700	7400
05/02/94	SP1*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	91	28-104	UG/KG-	3300	3000
05/02/94	SP1*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	88	41-126	UG/KG-	3300	2900

ESE BATCH : G48567

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/02/94	SP1*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	91	38-107	UG/KG-	3300	3000
05/02/94	SP1*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	118	26-103	UG/KG-	6700	7900
05/02/94	SP1*NONE*1	34208*8270/3540-G	ACENAPHTHENE	94	31-137	UG/KG-	3300	3100
05/02/94	SP1*NONE*1	34649*8270/3540-G	4-NITROPHENOL	113	11-114	UG/KG-	6700	7600
05/02/94	SP1*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	94	28-89	UG/KG-	3300	3100
05/02/94	SP1*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	131	17-109	UG/KG-	6700	8800
05/02/94	SP1*NONE*1	34472*8270/3540-G	PYRENE	103	35-142	UG/KG-	3300	3400

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/02/94	SPM1*CDMHNSS*13	34695*8270/3540-G	PHENOL	65	26-90	0.0	UG/KG-	6900	4500
05/02/94	SPM1*CDMHNSS*13	34589*8270/3540-G	2-CHLOROPHENOL	71	25-102	0.0	UG/KG-	6900	4900
05/02/94	SPM1*CDMHNSS*13	34574*8270/3540-G	1,4-DICHLOROBENZENE	71	28-104	0.0	UG/KG-	3400	2400
05/02/94	SPM1*CDMHNSS*13	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	59	41-126	0.0	UG/KG-	3400	2000
05/02/94	SPM1*CDMHNSS*13	34554*8270/3540-G	1,2,4-TRICH'BENZENE	68	38-107	0.0	UG/KG-	3400	2300
05/02/94	SPM1*CDMHNSS*13	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	74	26-103	0.0	UG/KG-	6900	5100
05/02/94	SPM1*CDMHNSS*13	34208*8270/3540-G	ACENAPHTHENE	68	31-137	0.0	UG/KG-	3400	2300
05/02/94	SPM1*CDMHNSS*13	34649*8270/3540-G	4-NITROPHENOL	0.0	11-114	0.0	UG/KG-	6900	ND
05/02/94	SPM1*CDMHNSS*13	34614*8270/3540-G	2,4-DINITROTOLUENE	50	28-89	0.0	UG/KG-	3400	1700
05/02/94	SPM1*CDMHNSS*13	39061*8270/3540-G	PENTACHLOROPHENOL	48	17-109	0.0	UG/KG-	6900	3300
05/02/94	SPM1*CDMHNSS*13	34472*8270/3540-G	PYRENE	103	35-142	0.0	UG/KG-	3400	3500
05/02/94	SPM2*CDMHNSS*13	34695*8270/3540-G	PHENOL	74	26-90	0.0	UG/KG-	6900	5100
05/02/94	SPM2*CDMHNSS*13	34589*8270/3540-G	2-CHLOROPHENOL	80	25-102	0.0	UG/KG-	6900	5500
05/02/94	SPM2*CDMHNSS*13	34574*8270/3540-G	1,4-DICHLOROBENZENE	82	28-104	0.0	UG/KG-	3400	2800
05/02/94	SPM2*CDMHNSS*13	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	74	41-126	0.0	UG/KG-	3400	2500
05/02/94	SPM2*CDMHNSS*13	34554*8270/3540-G	1,2,4-TRICH'BENZENE	76	38-107	0.0	UG/KG-	3400	2600
05/02/94	SPM2*CDMHNSS*13	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	71	26-103	0.0	UG/KG-	6900	4900
05/02/94	SPM2*CDMHNSS*13	34208*8270/3540-G	ACENAPHTHENE	74	31-137	0.0	UG/KG-	3400	2500
05/02/94	SPM2*CDMHNSS*13	34649*8270/3540-G	4-NITROPHENOL	0.0	11-114	0.0	UG/KG-	6900	ND
05/02/94	SPM2*CDMHNSS*13	34614*8270/3540-G	2,4-DINITROTOLUENE	53	28-89	0.0	UG/KG-	3400	1800
05/02/94	SPM2*CDMHNSS*13	39061*8270/3540-G	PENTACHLOROPHENOL	62	17-109	0.0	UG/KG-	6900	4300
05/02/94	SPM2*CDMHNSS*13	34472*8270/3540-G	PYRENE	76	35-142	0.0	UG/KG-	3400	2600

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/01/94	MB*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	8100	120	25-121
05/01/94	MB*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7440	112	24-113
05/01/94	MB*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
05/01/94	MB*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
05/01/94	MB*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	9160	137	19-122
05/01/94	MB*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3600	108	18-137
05/02/94	SP1*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7800	120	25-121
05/02/94	SP1*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7440	112	24-113
05/02/94	SP1*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
05/02/94	SP1*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2400	73	30-115
05/02/94	SP1*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	9120	137	19-122
05/02/94	SP1*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3020	90.7	18-137
05/01/94	DA*CDMHNSS*14	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	5700	85	25-121
05/01/94	DA*CDMHNSS*14	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5350	80.2	24-113
05/01/94	DA*CDMHNSS*14	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2000	61	23-120
05/01/94	DA*CDMHNSS*14	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	1800	55	30-115
05/01/94	DA*CDMHNSS*14	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6310	94.6	19-122
05/01/94	DA*CDMHNSS*14	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2540	76.3	18-137
05/01/94	DA*CDMHNSS*15	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	8200	120	25-121
05/01/94	DA*CDMHNSS*15	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7200	108	24-113
05/01/94	DA*CDMHNSS*15	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
05/01/94	DA*CDMHNSS*15	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
05/01/94	DA*CDMHNSS*15	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	9460	142	19-122
05/01/94	DA*CDMHNSS*15	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3100	93.1	18-137
05/02/94	DA*CDMHNSS*16	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	8700	130	25-121
05/02/94	DA*CDMHNSS*16	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7970	119	24-113
05/02/94	DA*CDMHNSS*16	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3100	94	23-120
05/02/94	DA*CDMHNSS*16	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2600	79	30-115
05/02/94	DA*CDMHNSS*16	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	9330	140	19-122
05/02/94	DA*CDMHNSS*16	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3000	90.1	18-137
05/02/94	DA*CDMHNSS*13	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6100	91	25-121
05/02/94	DA*CDMHNSS*13	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5500	82.5	24-113
05/02/94	DA*CDMHNSS*13	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2100	64	23-120
05/02/94	DA*CDMHNSS*13	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2000	61	30-115
05/02/94	DA*CDMHNSS*13	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	5420	81.3	19-122
05/02/94	DA*CDMHNSS*13	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3420	103	18-137

ESE BATCH : G48567

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/02/94	SPM1*CDMHNSS*13	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	4900	73	25-121
05/02/94	SPM1*CDMHNSS*13	98326*SUR	PHENOL-D(5)	UG/KG-	6670	4920	73.8	24-113
05/02/94	SPM1*CDMHNSS*13	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	1800	55	23-120
05/02/94	SPM1*CDMHNSS*13	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	1700	52	30-115
05/02/94	SPM1*CDMHNSS*13	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	5120	76.8	19-122
05/02/94	SPM1*CDMHNSS*13	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3090	92.8	18-137
05/02/94	SPM2*CDMHNSS*13	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	5000	75	25-121
05/02/94	SPM2*CDMHNSS*13	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5510	82.6	24-113
05/02/94	SPM2*CDMHNSS*13	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	1900	58	23-120
05/02/94	SPM2*CDMHNSS*13	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	1800	55	30-115
05/02/94	SPM2*CDMHNSS*13	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6240	93.6	19-122
05/02/94	SPM2*CDMHNSS*13	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2210	66.4	18-137

ESE BATCH : G48567

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48567 Analysis Date: 04/28/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			24DINITOL
			PENTCLPHE
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	4NITROPHE
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	4NITROPHE
Surrogate present?	X		
Surrogate within acceptance criteria?		X	98325*SUR
			98326*SUR
			98327*SUR
			98330*SUR
			97448*SUR
			97449*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
FINALIZED PER EHM FOR QUICK T/A./DRW
PROB.:STANDARD MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:FOR PHENOL, THE SP1 RECOVERY WAS 107.5%
WITH AN UPPER LIMIT OF 90%. FOR 2-CHLORO-
PHENOL, THE SP1 RECOVERY WAS 110.4% WITH
AN UPPER LIMIT OF 102%. FOR 4-CHLORO-3-
METHYLPHENOL, THE SP1 RECOVERY WAS 117.9%
WITH AN UPPER LIMT OF 103%. FOR 2,4-DNT, THE
RECOVERY WAS 93.9% WITH AN UPPER LIMIT OF
89%. FOR PENTACHLOROPHENOL, THE SP1 RECOVERY
WAS 131.3% WITH AN UPPER LIMIT OF 109%. FOR
4-NITROPHENOL, THERE ARE NO RECOVERIES FOR
THE SPM1 AND SPM2 DUE TO A COMBINED EFFECT
OF A 10X DILUTION AND OILY MATRIX. ALL OF THE
ABOVE RECOVERIES ARE WITHIN THE RANGE OF HISTORIC
DATA. FOR SAMPLES MB,SP1,CDMHNSS*15,16 THE 2,4,6-
TBP RECOVERIES WERE ABOVE THE UPPER LIMIT.
FOR SAMPLES CDMHNSS*15,16, THE 2-FLUOROPHENOL
RECOVERIES WERE ABOVE THE UPPER LIMIT. ALSO
FOR CDMHNSS*16, THE PHENOL-D5 RECOVERY WAS
ABOVE THE UPPER LIMIT./WSK
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN ACCEPTANCE

CRITERIA.
EXPL.:SEE ABOVE./WSK
PROB.:SAMPLE MATRIX SPIKE DUPLICATE NOT
WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK
PROB.:SURROGATE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK

ESE BATCH : G48567

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 : G48659
CLASSIFICATION : ACID EXTR.-EPA 8270/3540(SOX)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR : ABRAHAM JACOB
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/20/94 07:08:42
ANALYSIS DATE : 04/30/94
EXTRACT DATE : 04/29/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK7

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*20	EA12-2-12	04/30/94	04:37PM
CDMHNSS*18	EA14-2-01	04/30/94	05:31PM
CDMHNSS*19	EA12-1-10	04/30/94	06:25PM
CDMHNSS*17	EA14-1-01	04/30/94	07:19PM

ESE BATCH : G48659

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98325 METHOD: SUR 2-FLUOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98326 METHOD: SUR PHENOL-D(5), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: 8270/3540-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34276 METHOD: 8270/3540-G BIS(2-CHLOROETHYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: 8270/3540-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: 8270/3540-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: 8270/3540-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: 8270/3540-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75212 METHOD: 8270/3540-G BENZYL ALCOHOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: 8270/3540-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: 8270/3540-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: 8270/3540-G BIS(2-CHL'ISOPROPYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: 8270/3540-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: 8270/3540-G HEXACHLOROETHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98327 METHOD: SUR NITROBENZENE-D(5), UG/KG-DRY GCMS

ESE BATCH : G48659

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: 8270/3540-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: 8270/3540-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: 8270/3540-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: 8270/3540-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75315 METHOD: 8270/3540-G BENZOIC ACID, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2700 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34281 METHOD: 8270/3540-G BIS(2-CHLOROETHOXY) METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: 8270/3540-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: 8270/3540-G 1,2,4-TRICH'BENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: 8270/3540-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: 8270/3540-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: 8270/3540-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: 8270/3540-G 4-CHLORO-3-METHYL PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: 8270/3540-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: 8270/3540-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1000 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: 8270/3540-G 2,4,6-TRICH'PHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48659
DETECTION LIMIT=170 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: 8270/3540-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=170 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98330 METHOD: SUR 2-FLUOROBIPHENYL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: 8270/3540-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: 8270/3540-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34344 METHOD: 8270/3540-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: 8270/3540-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=150 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: 8270/3540-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: 8270/3540-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: 8270/3540-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: 8270/3540-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1300 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: 8270/3540-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: 8270/3540-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=120 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: 8270/3540-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: 8270/3540-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34644 METHOD: 8270/3540-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48659
STORET: 34384 METHOD: 8270/3540-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: 8270/3540-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=400 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: 8270/3540-G N-NITROSODIPHE'AMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97448 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: 8270/3540-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=670 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: 8270/3540-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 39701 METHOD: 8270/3540-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 39061 METHOD: 8270/3540-G PENTACHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=250 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34464 METHOD: 8270/3540-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: 8270/3540-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: 8270/3540-G DI-N-BUTYL PHTHALATE , UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: 8270/3540-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: 8270/3540-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97449 METHOD: SUR TERPHENYL-D(14), UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: 8270/3540-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: 8270/3540-G 3,3-DICHL'BENZIDINE, UG/KG-DRY GCMS

ESE BATCH : G48659
CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: 8270/3540-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: 8270/3540-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: 8270/3540-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: 8270/3540-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: 8270/3540-G BENZO(B)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34245 METHOD: 8270/3540-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: 8270/3540-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: 8270/3540-G INDENO(1,2,3-CD) PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: 8270/3540-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: 8270/3540-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48659

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/30/94	MB*NONE*1	34695*8270/3540-G	PHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	34276*8270/3540-G	BIS(2-CHLOROETHYL) ETHER	UG/KG-	ND
04/30/94	MB*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	34569*8270/3540-G	1,3-DICHLOROBENZENE	UG/KG-	ND
04/30/94	MB*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	UG/KG-	ND
04/30/94	MB*NONE*1	34539*8270/3540-G	1,2-DICHLOROBENZENE	UG/KG-	ND
04/30/94	MB*NONE*1	75212*8270/3540-G	BENZYL ALCOHOL	UG/KG-	ND
04/30/94	MB*NONE*1	78872*8270/3540-G	2-METHYLPHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	78803*8270/3540-G	4-METHYLPHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	34286*8270/3540-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/KG-	ND
04/30/94	MB*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
04/30/94	MB*NONE*1	34399*8270/3540-G	HEXACHLOROETHANE	UG/KG-	ND
04/30/94	MB*NONE*1	34450*8270/3540-G	NITROBENZENE	UG/KG-	ND
04/30/94	MB*NONE*1	34411*8270/3540-G	ISOPHORONE	UG/KG-	ND
04/30/94	MB*NONE*1	34594*8270/3540-G	2-NITROPHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	34609*8270/3540-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	75315*8270/3540-G	BENZOIC ACID	UG/KG-	ND
04/30/94	MB*NONE*1	34281*8270/3540-G	BIS(2-CHLOROETHOXY) METHANE	UG/KG-	ND
04/30/94	MB*NONE*1	34604*8270/3540-G	2,4-DICHLOROPHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
04/30/94	MB*NONE*1	34445*8270/3540-G	NAPHTHALENE	UG/KG-	ND
04/30/94	MB*NONE*1	78867*8270/3540-G	4-CHLOROANILINE	UG/KG-	ND
04/30/94	MB*NONE*1	39705*8270/3540-G	HEXACHLOROBUTADIENE	UG/KG-	ND
04/30/94	MB*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	78868*8270/3540-G	2-METHYLNAPHTHALENE	UG/KG-	ND
04/30/94	MB*NONE*1	34389*8270/3540-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
04/30/94	MB*NONE*1	34624*8270/3540-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	98587*8270/3540-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	34584*8270/3540-G	2-CHLORONAPHTHALENE	UG/KG-	ND
04/30/94	MB*NONE*1	98588*8270/3540-G	2-NITROANILINE	UG/KG-	ND
04/30/94	MB*NONE*1	34344*8270/3540-G	DIMETHYL PHTHALATE	UG/KG-	ND
04/30/94	MB*NONE*1	34203*8270/3540-G	ACENAPHTHYLENE	UG/KG-	ND
04/30/94	MB*NONE*1	34629*8270/3540-G	2,6-DINITROTOLUENE	UG/KG-	ND
04/30/94	MB*NONE*1	78869*8270/3540-G	3-NITROANILINE	UG/KG-	ND
04/30/94	MB*NONE*1	34208*8270/3540-G	ACENAPHTHENE	UG/KG-	ND
04/30/94	MB*NONE*1	34619*8270/3540-G	2,4-DINITROPHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	34649*8270/3540-G	4-NITROPHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	75647*8270/3540-G	DIBENZOFURAN	UG/KG-	ND
04/30/94	MB*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	UG/KG-	ND
04/30/94	MB*NONE*1	34339*8270/3540-G	DIETHYL PHTHALATE	UG/KG-	ND
04/30/94	MB*NONE*1	34644*8270/3540-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
04/30/94	MB*NONE*1	34384*8270/3540-G	FLUORENE	UG/KG-	ND
04/30/94	MB*NONE*1	78870*8270/3540-G	4-NITROANILINE	UG/KG-	ND
04/30/94	MB*NONE*1	34436*8270/3540-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
04/30/94	MB*NONE*1	34660*8270/3540-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	34639*8270/3540-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
04/30/94	MB*NONE*1	39701*8270/3540-G	HEXACHLOROBENZENE	UG/KG-	ND
04/30/94	MB*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	UG/KG-	ND
04/30/94	MB*NONE*1	34464*8270/3540-G	PHENANTHRENE	UG/KG-	ND
04/30/94	MB*NONE*1	34223*8270/3540-G	ANTHRACENE	UG/KG-	ND
04/30/94	MB*NONE*1	39112*8270/3540-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
04/30/94	MB*NONE*1	34379*8270/3540-G	FLUORANTHENE	UG/KG-	ND
04/30/94	MB*NONE*1	34472*8270/3540-G	PYRENE	UG/KG-	ND
04/30/94	MB*NONE*1	34295*8270/3540-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
04/30/94	MB*NONE*1	34634*8270/3540-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
04/30/94	MB*NONE*1	34529*8270/3540-G	BENZO(A)ANTHRACENE	UG/KG-	ND
04/30/94	MB*NONE*1	34323*8270/3540-G	CHRYSENE	UG/KG-	ND
04/30/94	MB*NONE*1	39102*8270/3540-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG-	67
04/30/94	MB*NONE*1	34599*8270/3540-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
04/30/94	MB*NONE*1	34233*8270/3540-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
04/30/94	MB*NONE*1	34245*8270/3540-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
04/30/94	MB*NONE*1	34250*8270/3540-G	BENZO(A)PYRENE	UG/KG-	ND
04/30/94	MB*NONE*1	34406*8270/3540-G	INDENO(1,2,3-CD) PYRENE	UG/KG-	ND
04/30/94	MB*NONE*1	34559*8270/3540-G	DIBEN(A,H)ANTH'CENE	UG/KG-	ND
04/30/94	MB*NONE*1	34524*8270/3540-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/30/94	SP1*NONE*1	34695*8270/3540-G	PHENOL	94	26-90	UG/KG-	6700	6300
04/30/94	SP1*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	104	25-102	UG/KG-	6700	7000
04/30/94	SP1*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	85	28-104	UG/KG-	3300	2800
04/30/94	SP1*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	76	41-126	UG/KG-	3300	2500

ESE BATCH : G48659

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/30/94	SP1*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	91	38-107	UG/KG-	3300	3000
04/30/94	SP1*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	101	26-103	UG/KG-	6700	6800
04/30/94	SP1*NONE*1	34208*8270/3540-G	ACENAPHTHENE	88	31-137	UG/KG-	3300	2900
04/30/94	SP1*NONE*1	34649*8270/3540-G	4-NITROPHENOL	90	11-114	UG/KG-	6700	6000
04/30/94	SP1*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	91	28-89	UG/KG-	3300	3000
04/30/94	SP1*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	118	17-109	UG/KG-	6700	7900
04/30/94	SP1*NONE*1	34472*8270/3540-G	PYRENE	106	35-142	UG/KG-	3300	3500

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/30/94	SPM1*CDMHNSS*17	34695*8270/3540-G	PHENOL	97	26-90	0.0	UG/KG-	6900	6700
04/30/94	SPM1*CDMHNSS*17	34589*8270/3540-G	2-CHLOROPHENOL	100	25-102	0.0	UG/KG-	6900	6900
04/30/94	SPM1*CDMHNSS*17	34574*8270/3540-G	1,4-DICHLOROBENZENE	80	28-104	0.0	UG/KG-	3500	2800
04/30/94	SPM1*CDMHNSS*17	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	74	41-126	0.0	UG/KG-	3500	2600
04/30/94	SPM1*CDMHNSS*17	34554*8270/3540-G	1,2,4-TRICH'BENZENE	83	38-107	0.0	UG/KG-	3500	2900
04/30/94	SPM1*CDMHNSS*17	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	107	26-103	0.0	UG/KG-	6900	7400
04/30/94	SPM1*CDMHNSS*17	34208*8270/3540-G	ACENAPHTHENE	83	31-137	0.0	UG/KG-	3500	2900
04/30/94	SPM1*CDMHNSS*17	34649*8270/3540-G	4-NITROPHENOL	107	11-114	0.0	UG/KG-	6900	7400
04/30/94	SPM1*CDMHNSS*17	34614*8270/3540-G	2,4-DINITROTOLUENE	83	28-89	0.0	UG/KG-	3500	2900
04/30/94	SPM1*CDMHNSS*17	39061*8270/3540-G	PENTACHLOROPHENOL	123	17-109	0.0	UG/KG-	6900	8500
04/30/94	SPM1*CDMHNSS*17	34472*8270/3540-G	PYRENE	117	35-142	0.0	UG/KG-	3500	4100
04/30/94	SPM2*CDMHNSS*17	34695*8270/3540-G	PHENOL	99	26-90	0.0	UG/KG-	6900	6800
04/30/94	SPM2*CDMHNSS*17	34589*8270/3540-G	2-CHLOROPHENOL	103	25-102	0.0	UG/KG-	6900	7100
04/30/94	SPM2*CDMHNSS*17	34574*8270/3540-G	1,4-DICHLOROBENZENE	83	28-104	0.0	UG/KG-	3500	2900
04/30/94	SPM2*CDMHNSS*17	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	77	41-126	0.0	UG/KG-	3500	2700
04/30/94	SPM2*CDMHNSS*17	34554*8270/3540-G	1,2,4-TRICH'BENZENE	83	38-107	0.0	UG/KG-	3500	2900
04/30/94	SPM2*CDMHNSS*17	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	110	26-103	0.0	UG/KG-	6900	7600
04/30/94	SPM2*CDMHNSS*17	34208*8270/3540-G	ACENAPHTHENE	83	31-137	0.0	UG/KG-	3500	2900
04/30/94	SPM2*CDMHNSS*17	34649*8270/3540-G	4-NITROPHENOL	113	11-114	0.0	UG/KG-	6900	7800
04/30/94	SPM2*CDMHNSS*17	34614*8270/3540-G	2,4-DINITROTOLUENE	86	28-89	0.0	UG/KG-	3500	3000
04/30/94	SPM2*CDMHNSS*17	39061*8270/3540-G	PENTACHLOROPHENOL	132	17-109	0.0	UG/KG-	6900	9100
04/30/94	SPM2*CDMHNSS*17	34472*8270/3540-G	PYRENE	91	35-142	0.0	UG/KG-	3500	3200

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/30/94	MB*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6200	93	25-121
04/30/94	MB*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5600	84.0	24-113
04/30/94	MB*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2500	76	23-120
04/30/94	MB*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2600	79	30-115
04/30/94	MB*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6770	101	19-122
04/30/94	MB*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3760	113	18-137
04/30/94	SP1*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6300	94	25-121
04/30/94	SP1*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5710	85.6	24-113
04/30/94	SP1*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
04/30/94	SP1*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2600	79	30-115
04/30/94	SP1*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7290	109	19-122
04/30/94	SP1*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3470	104	18-137
04/30/94	DA*CDMHNSS*20	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6700	100	25-121
04/30/94	DA*CDMHNSS*20	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5960	89.4	24-113
04/30/94	DA*CDMHNSS*20	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
04/30/94	DA*CDMHNSS*20	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2600	79	30-115
04/30/94	DA*CDMHNSS*20	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6660	99.9	19-122
04/30/94	DA*CDMHNSS*20	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3540	106	18-137
04/30/94	DA*CDMHNSS*18	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6800	100	25-121
04/30/94	DA*CDMHNSS*18	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6350	95.2	24-113
04/30/94	DA*CDMHNSS*18	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
04/30/94	DA*CDMHNSS*18	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2600	79	30-115
04/30/94	DA*CDMHNSS*18	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7430	111	19-122
04/30/94	DA*CDMHNSS*18	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3200	96.1	18-137
04/30/94	DA*CDMHNSS*19	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6600	99	25-121
04/30/94	DA*CDMHNSS*19	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6000	90.0	24-113
04/30/94	DA*CDMHNSS*19	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
04/30/94	DA*CDMHNSS*19	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2600	79	30-115
04/30/94	DA*CDMHNSS*19	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6660	99.9	19-122
04/30/94	DA*CDMHNSS*19	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2680	80.5	18-137
04/30/94	DA*CDMHNSS*17	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6700	100	25-121
04/30/94	DA*CDMHNSS*17	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6290	94.3	24-113
04/30/94	DA*CDMHNSS*17	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
04/30/94	DA*CDMHNSS*17	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2600	79	30-115
04/30/94	DA*CDMHNSS*17	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7170	107	19-122
04/30/94	DA*CDMHNSS*17	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2890	86.8	18-137

ESE BATCH : G48659

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/30/94	SPM1*CDMHNSS*17	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6200	93	25-121
04/30/94	SPM1*CDMHNSS*17	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5860	87.9	24-113
04/30/94	SPM1*CDMHNSS*17	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2600	79	23-120
04/30/94	SPM1*CDMHNSS*17	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
04/30/94	SPM1*CDMHNSS*17	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7140	107	19-122
04/30/94	SPM1*CDMHNSS*17	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3840	115	18-137
04/30/94	SPM2*CDMHNSS*17	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6400	96	25-121
04/30/94	SPM2*CDMHNSS*17	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5970	89.5	24-113
04/30/94	SPM2*CDMHNSS*17	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
04/30/94	SPM2*CDMHNSS*17	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
04/30/94	SPM2*CDMHNSS*17	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7270	109	19-122
04/30/94	SPM2*CDMHNSS*17	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3110	93.4	18-137

ESE BATCH : G48659

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48659 Analysis Date: 04/30/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			24DINITOL
			PENTCLPHE
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PHENOL
			4CL3MEHPH
			PENTCLPHE
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			PENTCLPHE
Surrogate present?	X		
Surrogate within acceptance criteria?		X	98325*SUR
			98326*SUR
			98327*SUR
			98330*SUR
			97448*SUR
			97449*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB.:STANDARD MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:FOR PHENOL THE SP1,SPM1,SPM2 RECOVERIES
WERE 94.0%, 97.1%, 98.6% WITH AN UPPER
LIMIT OF 90%. FOR 2-CHLOROPHENOL, THE
SP1 AND SPM2 RECOVERIES WERE 104.5% AND
102.9% WITH AN UPPER LIMIT OF 108%.
FOR 4-CHLORO-3-METHYLPHENOL, THE SPM1
AND SPM2 RECOVERIES WERE 107.2%, 110.1%
WITH AN UPPER LIMIT OF 103%. FOR 2,4-DNT
THE SP1 RECOVERY WAS 90.9% WITH AN UPPER
LIMIT OF 89%. FOR PCP, THE SP1,SPM1 AND SPM2
RECOVERIES WERE 117.9%,123.2% AND 131.9% WITH
AN UPPER LIMIT OF 109%. ALL OF THE ABOVE RECOVERIES
ARE WITHIN THE RANGE OF HISTORIC DATA./WSK

PROB.:SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK
PROB.:SAMPLE MATRIX SPIKE DUPLICATE NOT
WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK
BATCH REPORT ONLY./EHM

ESE BATCH : G48659

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 : G48790
CLASSIFICATION : PHENOLICS - CLP SOW OLM01.8

QC TYPE : FDER/SW
ANALYST : WILLIAM VAN AUSDALE
EXTRACTOR : BETSY DEEDRICK
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/20/94 07:29:13
ANALYSIS DATE : 05/05/94
EXTRACT DATE : 05/04/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

BATCH NOTES
DOWNLOAD FILE WAVHAN1

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*21	EA11-1-07	05/05/94	12:16PM

ESE BATCH : G48790

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 95004 METHOD: SUR 2-FLUOROPHENOL (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 95003 METHOD: SUR PHENOL-D(5) (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: CLP90/SON-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34276 METHOD: CLP90/SON-G BIS(2-CHLOROETHYL)ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 95007 METHOD: SUR 2-CHLOROPHENOL-D4 (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: CLP90/SON-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: CLP90/SON-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: CLP90/SON-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 95009 METHOD: SUR 1,2-DICHLOROBENZENE-D4 (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: CLP90/SON-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: CLP90/SON-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: CLP90/SON-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: CLP90/SON-G 2,2'-OXYBIS(1-CHLOROPROPANE), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: CLP90/SON-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: CLP90/SON-G HEXACHLOROETHANE, UG/KG-DRY GCMS

ESE BATCH : G48790

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 95051 METHOD: SUR NITROBENZENE-D(5) (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: CLP90/SON-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: CLP90/SON-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: CLP90/SON-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: CLP90/SON-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34281 METHOD: CLP90/SON-G BIS(2-CHLOROETHOXY)METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: CLP90/SON-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: CLP90/SON-G 1,2,4-TRICH'BENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: CLP90/SON-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: CLP90/SON-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: CLP90/SON-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: CLP90/SON-G 4-CHLORO-3-METHYLPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: CLP90/SON-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: CLP90/SON-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: CLP90/SON-G 2,4,6-TRICH'PHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48790
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: CLP90/SON-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 95052 METHOD: SUR 2-FLUOROBIPHENYL (CLP90/SON) UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: CLP90/SON-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: CLP90/SON-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34344 METHOD: CLP90/SON-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: CLP90/SON-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: CLP90/SON-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: CLP90/SON-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: CLP90/SON-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: CLP90/SON-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: CLP90/SON-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: CLP90/SON-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: CLP90/SON-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: CLP90/SON-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34644 METHOD: CLP90/SON-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48790
STORET: 34384 METHOD: CLP90/SON-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: CLP90/SON-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 95005 METHOD: SUR 2,4,6-TRIBROMOPHENOL (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: CLP90/SON-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: CLP90/SON-G N-NITROSODIPHE'AMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: CLP90/SON-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: CLP90/SON-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: CLP90/SON-G PENTACHLPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34464 METHOD: CLP90/SON-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: CLP90/SON-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 96242 METHOD: CLP90/SON-G CARBAZOLE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: CLP90/SON-G DI-N-BUTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: CLP90/SON-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: CLP90/SON-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 95002 METHOD: SUR TERPHENYL-D(14) (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: CLP90/SON-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

ESE BATCH : G48790
CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: CLP90/SON-G 3,3-DICHLOROBENZIDINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: CLP90/SON-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: CLP90/SON-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: CLP90/SON-G BIS(2-ETHYLHEXYL)PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: CLP90/SON-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: CLP90/SON-G BENZO(B)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34245 METHOD: CLP90/SON-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: CLP90/SON-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: CLP90/SON-G INDENO(1,2,3-CD)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: CLP90/SON-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: CLP90/SON-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48790

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/05/94	MB*NONE*1	34695*CLP90/SON-G	PHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34276*CLP90/SON-G	BIS(2-CHLOROETHYL)ETHER	UG/KG-	ND
05/05/94	MB*NONE*1	34589*CLP90/SON-G	2-CHLOROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34569*CLP90/SON-G	1,3-DICHLOROBENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	34574*CLP90/SON-G	1,4-DICHLOROBENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	34539*CLP90/SON-G	1,2-DICHLOROBENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	78872*CLP90/SON-G	2-METHYLPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	78803*CLP90/SON-G	4-METHYLPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34286*CLP90/SON-G	2,2'-OXYBIS(1-CHLOROPROPANE)	UG/KG-	ND
05/05/94	MB*NONE*1	34431*CLP90/SON-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
05/05/94	MB*NONE*1	34399*CLP90/SON-G	HEXACHLOROETHANE	UG/KG-	ND
05/05/94	MB*NONE*1	34450*CLP90/SON-G	NITROBENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	34411*CLP90/SON-G	ISOPHORONE	UG/KG-	ND
05/05/94	MB*NONE*1	34594*CLP90/SON-G	2-NITROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34609*CLP90/SON-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34281*CLP90/SON-G	BIS(2-CHLOROETHOXY)METHANE	UG/KG-	ND
05/05/94	MB*NONE*1	34604*CLP90/SON-G	2,4-DICHLOROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34554*CLP90/SON-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	34445*CLP90/SON-G	NAPHTHALENE	UG/KG-	ND
05/05/94	MB*NONE*1	78867*CLP90/SON-G	4-CHLOROANILINE	UG/KG-	ND
05/05/94	MB*NONE*1	39705*CLP90/SON-G	HEXACHLOROBUTADIENE	UG/KG-	ND
05/05/94	MB*NONE*1	34455*CLP90/SON-G	4-CHLORO-3-METHYLPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	78868*CLP90/SON-G	2-METHYLNAPHTHALENE	UG/KG-	ND
05/05/94	MB*NONE*1	34389*CLP90/SON-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
05/05/94	MB*NONE*1	34624*CLP90/SON-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	98587*CLP90/SON-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34584*CLP90/SON-G	2-CHLORONAPHTHALENE	UG/KG-	ND
05/05/94	MB*NONE*1	98588*CLP90/SON-G	2-NITROANILINE	UG/KG-	ND
05/05/94	MB*NONE*1	34344*CLP90/SON-G	DIMETHYL PHTHALATE	UG/KG-	ND
05/05/94	MB*NONE*1	34203*CLP90/SON-G	ACENAPHTHYLENE	UG/KG-	ND
05/05/94	MB*NONE*1	34629*CLP90/SON-G	2,6-DINITROTOLUENE	UG/KG-	ND
05/05/94	MB*NONE*1	78869*CLP90/SON-G	3-NITROANILINE	UG/KG-	ND
05/05/94	MB*NONE*1	34208*CLP90/SON-G	ACENAPHTHENE	UG/KG-	ND
05/05/94	MB*NONE*1	34619*CLP90/SON-G	2,4-DINITROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34649*CLP90/SON-G	4-NITROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	75647*CLP90/SON-G	DIBENZOFURAN	UG/KG-	ND
05/05/94	MB*NONE*1	34614*CLP90/SON-G	2,4-DINITROTOLUENE	UG/KG-	ND
05/05/94	MB*NONE*1	34339*CLP90/SON-G	DIETHYL PHTHALATE	UG/KG-	ND
05/05/94	MB*NONE*1	34644*CLP90/SON-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
05/05/94	MB*NONE*1	34384*CLP90/SON-G	FLUORENE	UG/KG-	ND
05/05/94	MB*NONE*1	78870*CLP90/SON-G	4-NITROANILINE	UG/KG-	ND
05/05/94	MB*NONE*1	34660*CLP90/SON-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34436*CLP90/SON-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
05/05/94	MB*NONE*1	34639*CLP90/SON-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
05/05/94	MB*NONE*1	39701*CLP90/SON-G	HEXACHLOROBENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	39061*CLP90/SON-G	PENTACHLPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34464*CLP90/SON-G	PHENANTHRENE	UG/KG-	ND
05/05/94	MB*NONE*1	34223*CLP90/SON-G	ANTHRACENE	UG/KG-	ND
05/05/94	MB*NONE*1	96242*CLP90/SON-G	CARBAZOLE	UG/KG-	ND
05/05/94	MB*NONE*1	39112*CLP90/SON-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
05/05/94	MB*NONE*1	34379*CLP90/SON-G	FLUORANTHENE	UG/KG-	ND
05/05/94	MB*NONE*1	34472*CLP90/SON-G	PYRENE	UG/KG-	ND
05/05/94	MB*NONE*1	34295*CLP90/SON-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
05/05/94	MB*NONE*1	34634*CLP90/SON-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
05/05/94	MB*NONE*1	34529*CLP90/SON-G	BENZO(A)ANTHRACENE	UG/KG-	ND
05/05/94	MB*NONE*1	34323*CLP90/SON-G	CHRYSENE	UG/KG-	ND
05/05/94	MB*NONE*1	39102*CLP90/SON-G	BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG-	49
05/05/94	MB*NONE*1	34599*CLP90/SON-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
05/05/94	MB*NONE*1	34233*CLP90/SON-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
05/05/94	MB*NONE*1	34245*CLP90/SON-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
05/05/94	MB*NONE*1	34250*CLP90/SON-G	BENZO(A)PYRENE	UG/KG-	ND
05/05/94	MB*NONE*1	34406*CLP90/SON-G	INDENO(1,2,3-CD)PYRENE	UG/KG-	ND
05/05/94	MB*NONE*1	34559*CLP90/SON-G	DIBEN(A,H)ANTHRACENE	UG/KG-	ND
05/05/94	MB*NONE*1	34524*CLP90/SON-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/05/94	SPM1*CDMHNSS*21	34695*CLP90/SON-G	PHENOL	104	26-90	0.0	UG/KG-	2600	2700
05/05/94	SPM1*CDMHNSS*21	34589*CLP90/SON-G	2-CHLOROPHENOL	100	25-102	0.0	UG/KG-	2600	2600
05/05/94	SPM1*CDMHNSS*21	34574*CLP90/SON-G	1,4-DICHLOROBENZENE	94	28-104	0.0	UG/KG-	1700	1600
05/05/94	SPM1*CDMHNSS*21	34431*CLP90/SON-G	N-NITROSODI-N-PROPYLAMINE	88	41-126	0.0	UG/KG-	1700	1500
05/05/94	SPM1*CDMHNSS*21	34554*CLP90/SON-G	1,2,4-TRICH'BENZENE	94	38-107	0.0	UG/KG-	1700	1600

ESE BATCH : G48790

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/05/94	SPM1*CDMHNSS*21	34455*CLP90/SON-G	4-CHLORO-3-METHYLPHENOL	100	26-103	0.0	UG/KG-	2600	2600
05/05/94	SPM1*CDMHNSS*21	34208*CLP90/SON-G	ACENAPHTHENE	82	31-137	0.0	UG/KG-	1700	1400
05/05/94	SPM1*CDMHNSS*21	34649*CLP90/SON-G	4-NITROPHENOL	85	11-114	0.0	UG/KG-	2600	2200
05/05/94	SPM1*CDMHNSS*21	34614*CLP90/SON-G	2,4-DINITROTOLUENE	100	28-89	0.0	UG/KG-	1700	1700
05/05/94	SPM1*CDMHNSS*21	39061*CLP90/SON-G	PENTACHLPHENOL	81	17-109	0.0	UG/KG-	2600	2100
05/05/94	SPM1*CDMHNSS*21	34472*CLP90/SON-G	PYRENE	71	35-142	0.0	UG/KG-	1700	1200
05/05/94	SPM2*CDMHNSS*21	34695*CLP90/SON-G	PHENOL	73	26-90	0.0	UG/KG-	2600	1900
05/05/94	SPM2*CDMHNSS*21	34589*CLP90/SON-G	2-CHLOROPHENOL	69	25-102	0.0	UG/KG-	2600	1800
05/05/94	SPM2*CDMHNSS*21	34574*CLP90/SON-G	1,4-DICHLOROBENZENE	65	28-104	0.0	UG/KG-	1700	1100
05/05/94	SPM2*CDMHNSS*21	34431*CLP90/SON-G	N-NITROSODI-N-PROPYLAMINE	59	41-126	0.0	UG/KG-	1700	1000
05/05/94	SPM2*CDMHNSS*21	34554*CLP90/SON-G	1,2,4-TRICH'BENZENE	65	38-107	0.0	UG/KG-	1700	1100
05/05/94	SPM2*CDMHNSS*21	34455*CLP90/SON-G	4-CHLORO-3-METHYLPHENOL	77	26-103	0.0	UG/KG-	2600	2000
05/05/94	SPM2*CDMHNSS*21	34208*CLP90/SON-G	ACENAPHTHENE	71	31-137	0.0	UG/KG-	1700	1200
05/05/94	SPM2*CDMHNSS*21	34649*CLP90/SON-G	4-NITROPHENOL	65	11-114	0.0	UG/KG-	2600	1700
05/05/94	SPM2*CDMHNSS*21	34614*CLP90/SON-G	2,4-DINITROTOLUENE	88	28-89	0.0	UG/KG-	1700	1500
05/05/94	SPM2*CDMHNSS*21	39061*CLP90/SON-G	PENTACHLPHENOL	69	17-109	0.0	UG/KG-	2600	1800
05/05/94	SPM2*CDMHNSS*21	34472*CLP90/SON-G	PYRENE	71	35-142	0.0	UG/KG-	1700	1200

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/05/94	MB*NONE*1	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	1400	56	25-121
05/05/94	MB*NONE*1	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	1600	64.0	24-113
05/05/94	MB*NONE*1	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	1500	60	20-130
05/05/94	MB*NONE*1	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1100	65	20-130
05/05/94	MB*NONE*1	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1200	71	23-120
05/05/94	MB*NONE*1	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1100	65	30-115
05/05/94	MB*NONE*1	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	1700	68.0	19-122
05/05/94	MB*NONE*1	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	1100	65.9	18-137
05/05/94	DA*CDMHNSS*21	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	1600	64	25-121
05/05/94	DA*CDMHNSS*21	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	1700	68.0	24-113
05/05/94	DA*CDMHNSS*21	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	1700	68	20-130
05/05/94	DA*CDMHNSS*21	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1200	71	20-130
05/05/94	DA*CDMHNSS*21	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1300	76	23-120
05/05/94	DA*CDMHNSS*21	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1200	71	30-115
05/05/94	DA*CDMHNSS*21	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	1800	72.0	19-122
05/05/94	DA*CDMHNSS*21	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	1200	71.9	18-137
05/05/94	SPM1*CDMHNSS*21	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	2100	84	25-121
05/05/94	SPM1*CDMHNSS*21	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	2300	92.0	24-113
05/05/94	SPM1*CDMHNSS*21	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	2300	92	20-130
05/05/94	SPM1*CDMHNSS*21	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1600	94	20-130
05/05/94	SPM1*CDMHNSS*21	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1600	94	23-120
05/05/94	SPM1*CDMHNSS*21	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1300	76	30-115
05/05/94	SPM1*CDMHNSS*21	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	2200	88.0	19-122
05/05/94	SPM1*CDMHNSS*21	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	1300	77.8	18-137
05/05/94	SPM2*CDMHNSS*21	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	1500	60	25-121
05/05/94	SPM2*CDMHNSS*21	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	1600	64.0	24-113
05/05/94	SPM2*CDMHNSS*21	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	1600	64	20-130
05/05/94	SPM2*CDMHNSS*21	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1100	65	20-130
05/05/94	SPM2*CDMHNSS*21	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1200	71	23-120
05/05/94	SPM2*CDMHNSS*21	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1100	65	30-115
05/05/94	SPM2*CDMHNSS*21	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	1800	72.0	19-122
05/05/94	SPM2*CDMHNSS*21	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	1200	71.9	18-137

ESE BATCH : G48790

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48790 Analysis Date: 05/05/94 Analyst: WILLIAM VAN AUSDALE

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PHENOL
			24DINITOL
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	14DICLBEN
			N-N-N-PRO
			124-TRCLB
Surrogate present?	X		
Surrogate within acceptance criteria?		X	95004*SUR
			95003*SUR
			95007*SUR
			12DICLBEN
			95051*SUR
			95052*SUR
			95005*SUR
			95002*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL.:THE MATRIX SPIKE AND RECOVERIES WERE ABOVE THE UPPER LIMIT FOR PHENOL AND 2,4-DINITROTOLENE. THESE RECOVERIES ARE VERY GOOD FOR THIS METHOD. THE RECOVERIES WERE ALL A LITTLE LOW FOR THE MATRIX SPIKE DUPLICATE CAUSING THE % RPD TO BE HIGH FOR 1,4-DICHLOROBENZENE, N-NITROSODI-N-PROPYLAMINE AND 1,2,4-TRICHLOROBENZENE. FOLLOWING THE CLP 3/90 SOW MATRIX SPIKE RECOVERIES ARE ONLY ADIVISORY AND THEIR FAILURE DOES NOT INDICATE A QC PROBLEM./WAV
PROB.:SAMPLE MATRIX SPIKE DUPLICATE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WAV

ESE BATCH : G48790

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 : G48825
CLASSIFICATION : ACID EXTR.-EPA 8270/3540(SOX)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR : Z. MATHIS
DATA ENTRY : PAUL HESTER

REPORT DATE/TIME : 05/20/94 07:11:46
ANALYSIS DATE : 05/05/94
EXTRACT DATE : 05/04/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
UPLOAD FILE HANSK8

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*22	EA01-1-10	05/05/94	12:22PM
CDMHNSS*23	OCS1-1-00	05/05/94	01:17PM

ESE BATCH : G48825

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98325 METHOD: SUR 2-FLUOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98326 METHOD: SUR PHENOL-D(5), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: 8270/3540-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34276 METHOD: 8270/3540-G BIS(2-CHLOROETHYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: 8270/3540-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: 8270/3540-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: 8270/3540-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: 8270/3540-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75212 METHOD: 8270/3540-G BENZYL ALCOHOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: 8270/3540-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: 8270/3540-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: 8270/3540-G BIS(2-CHL'ISOPROPYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34431 METHOD: 8270/3540-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: 8270/3540-G HEXACHLOROETHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98327 METHOD: SUR NITROBENZENE-D(5), UG/KG-DRY GCMS

ESE BATCH : G48825

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: 8270/3540-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: 8270/3540-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: 8270/3540-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: 8270/3540-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75315 METHOD: 8270/3540-G BENZOIC ACID, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2700 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34281 METHOD: 8270/3540-G BIS(2-CHLOROETHOXY) METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: 8270/3540-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: 8270/3540-G 1,2,4-TRICH'BENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: 8270/3540-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: 8270/3540-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: 8270/3540-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: 8270/3540-G 4-CHLORO-3-METHYL PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: 8270/3540-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: 8270/3540-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1000 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: 8270/3540-G 2,4,6-TRICH'PHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48825
DETECTION LIMIT=170 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: 8270/3540-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=170 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98330 METHOD: SUR 2-FLUOROBIPHENYL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: 8270/3540-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: 8270/3540-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34344 METHOD: 8270/3540-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: 8270/3540-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=150 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: 8270/3540-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: 8270/3540-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: 8270/3540-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: 8270/3540-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1300 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: 8270/3540-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: 8270/3540-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=120 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: 8270/3540-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: 8270/3540-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34644 METHOD: 8270/3540-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48825
STORET: 34384 METHOD: 8270/3540-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: 8270/3540-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=400 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: 8270/3540-G N-NITROSODIPHENYLAMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97448 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: 8270/3540-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=670 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: 8270/3540-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: 8270/3540-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: 8270/3540-G PENTACHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=250 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34464 METHOD: 8270/3540-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: 8270/3540-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: 8270/3540-G DI-N-BUTYL PHTHALATE , UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: 8270/3540-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: 8270/3540-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97449 METHOD: SUR TERPHENYL-D(14), UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: 8270/3540-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: 8270/3540-G 3,3-DICHLOROBENZIDINE, UG/KG-DRY GCMS

ESE BATCH : G48825
CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34529 METHOD: 8270/3540-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34323 METHOD: 8270/3540-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: 8270/3540-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: 8270/3540-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: 8270/3540-G BENZO(B)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34245 METHOD: 8270/3540-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: 8270/3540-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: 8270/3540-G INDENO(1,2,3-CD) PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: 8270/3540-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: 8270/3540-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48825

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/05/94	MB*NONE*1	34695*8270/3540-G	PHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34276*8270/3540-G	BIS(2-CHLOROETHYL) ETHER	UG/KG-	ND
05/05/94	MB*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34569*8270/3540-G	1,3-DICHLOROBENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	34539*8270/3540-G	1,2-DICHLOROBENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	75212*8270/3540-G	BENZYL ALCOHOL	UG/KG-	ND
05/05/94	MB*NONE*1	78872*8270/3540-G	2-METHYLPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	78803*8270/3540-G	4-METHYLPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34286*8270/3540-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/KG-	ND
05/05/94	MB*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
05/05/94	MB*NONE*1	34399*8270/3540-G	HEXACHLOROETHANE	UG/KG-	ND
05/05/94	MB*NONE*1	34450*8270/3540-G	NITROBENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	34411*8270/3540-G	ISOPHORONE	UG/KG-	ND
05/05/94	MB*NONE*1	34594*8270/3540-G	2-NITROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34609*8270/3540-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	75315*8270/3540-G	BENZOIC ACID	UG/KG-	ND
05/05/94	MB*NONE*1	34281*8270/3540-G	BIS(2-CHLOROETHOXY) METHANE	UG/KG-	ND
05/05/94	MB*NONE*1	34604*8270/3540-G	2,4-DICHLOROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	34445*8270/3540-G	NAPHTHALENE	UG/KG-	ND
05/05/94	MB*NONE*1	78867*8270/3540-G	4-CHLOROANILINE	UG/KG-	ND
05/05/94	MB*NONE*1	39705*8270/3540-G	HEXACHLOROBUTADIENE	UG/KG-	ND
05/05/94	MB*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	78868*8270/3540-G	2-METHYLNAPHTHALENE	UG/KG-	ND
05/05/94	MB*NONE*1	34389*8270/3540-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
05/05/94	MB*NONE*1	34624*8270/3540-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	98587*8270/3540-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34584*8270/3540-G	2-CHLORONAPHTHALENE	UG/KG-	ND
05/05/94	MB*NONE*1	98588*8270/3540-G	2-NITROANILINE	UG/KG-	ND
05/05/94	MB*NONE*1	34344*8270/3540-G	DIMETHYL PHTHALATE	UG/KG-	ND
05/05/94	MB*NONE*1	34203*8270/3540-G	ACENAPHTHYLENE	UG/KG-	ND
05/05/94	MB*NONE*1	34629*8270/3540-G	2,6-DINITROTOLUENE	UG/KG-	ND
05/05/94	MB*NONE*1	78869*8270/3540-G	3-NITROANILINE	UG/KG-	ND
05/05/94	MB*NONE*1	34208*8270/3540-G	ACENAPHTHENE	UG/KG-	ND
05/05/94	MB*NONE*1	34619*8270/3540-G	2,4-DINITROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34649*8270/3540-G	4-NITROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	75647*8270/3540-G	DIBENZOFURAN	UG/KG-	ND
05/05/94	MB*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	UG/KG-	ND
05/05/94	MB*NONE*1	34339*8270/3540-G	DIETHYL PHTHALATE	UG/KG-	ND
05/05/94	MB*NONE*1	34644*8270/3540-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
05/05/94	MB*NONE*1	34384*8270/3540-G	FLUORENE	UG/KG-	ND
05/05/94	MB*NONE*1	78870*8270/3540-G	4-NITROANILINE	UG/KG-	ND
05/05/94	MB*NONE*1	34436*8270/3540-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
05/05/94	MB*NONE*1	34660*8270/3540-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34639*8270/3540-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
05/05/94	MB*NONE*1	39701*8270/3540-G	HEXACHLOROBENZENE	UG/KG-	ND
05/05/94	MB*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	UG/KG-	ND
05/05/94	MB*NONE*1	34464*8270/3540-G	PHENANTHRENE	UG/KG-	ND
05/05/94	MB*NONE*1	34223*8270/3540-G	ANTHRACENE	UG/KG-	ND
05/05/94	MB*NONE*1	39112*8270/3540-G	DI-N-BUTYL PHTHALATE	UG/KG-	120
05/05/94	MB*NONE*1	34379*8270/3540-G	FLUORANTHENE	UG/KG-	ND
05/05/94	MB*NONE*1	34472*8270/3540-G	PYRENE	UG/KG-	ND
05/05/94	MB*NONE*1	34295*8270/3540-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
05/05/94	MB*NONE*1	34634*8270/3540-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
05/05/94	MB*NONE*1	34529*8270/3540-G	BENZO(A)ANTHRACENE	UG/KG-	ND
05/05/94	MB*NONE*1	34323*8270/3540-G	CHRYSENE	UG/KG-	ND
05/05/94	MB*NONE*1	39102*8270/3540-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG-	ND
05/05/94	MB*NONE*1	34599*8270/3540-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
05/05/94	MB*NONE*1	34233*8270/3540-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
05/05/94	MB*NONE*1	34245*8270/3540-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
05/05/94	MB*NONE*1	34250*8270/3540-G	BENZO(A)PYRENE	UG/KG-	ND
05/05/94	MB*NONE*1	34406*8270/3540-G	INDENO(1,2,3-CD) PYRENE	UG/KG-	ND
05/05/94	MB*NONE*1	34559*8270/3540-G	DIBEN(A,H)ANTH'CENE	UG/KG-	ND
05/05/94	MB*NONE*1	34524*8270/3540-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/05/94	SP1*NONE*1	34695*8270/3540-G	PHENOL	107	26-90	UG/KG-	6700	7200
05/05/94	SP1*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	113	25-102	UG/KG-	6700	7600
05/05/94	SP1*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	91	28-104	UG/KG-	3300	3000
05/05/94	SP1*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	79	41-126	UG/KG-	3300	2600

ESE BATCH : G48825

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/05/94	SP1*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	94	38-107	UG/KG-	3300	3100
05/05/94	SP1*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	112	26-103	UG/KG-	6700	7500
05/05/94	SP1*NONE*1	34208*8270/3540-G	ACENAPHTHENE	100	31-137	UG/KG-	3300	3300
05/05/94	SP1*NONE*1	34649*8270/3540-G	4-NITROPHENOL	109	11-114	UG/KG-	6700	7300
05/05/94	SP1*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	106	28-89	UG/KG-	3300	3500
05/05/94	SP1*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	134	17-109	UG/KG-	6700	9000
05/05/94	SP1*NONE*1	34472*8270/3540-G	PYRENE	139	35-142	UG/KG-	3300	4600

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/05/94	SPM1*CDMHNSS*22	34695*8270/3540-G	PHENOL	73	26-90	0.0	UG/KG-	7300	5300
05/05/94	SPM1*CDMHNSS*22	34589*8270/3540-G	2-CHLOROPHENOL	79	25-102	0.0	UG/KG-	7300	5800
05/05/94	SPM1*CDMHNSS*22	34574*8270/3540-G	1,4-DICHLOROBENZENE	84	28-104	0.0	UG/KG-	3700	3100
05/05/94	SPM1*CDMHNSS*22	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	92	41-126	0.0	UG/KG-	3700	3400
05/05/94	SPM1*CDMHNSS*22	34554*8270/3540-G	1,2,4-TRICH'BENZENE	84	38-107	0.0	UG/KG-	3700	3100
05/05/94	SPM1*CDMHNSS*22	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	86	26-103	0.0	UG/KG-	7300	6300
05/05/94	SPM1*CDMHNSS*22	34208*8270/3540-G	ACENAPHTHENE	95	31-137	0.0	UG/KG-	3700	3500
05/05/94	SPM1*CDMHNSS*22	34649*8270/3540-G	4-NITROPHENOL	0.0	11-114	0.0	UG/KG-	7300	ND
05/05/94	SPM1*CDMHNSS*22	34614*8270/3540-G	2,4-DINITROTOLUENE	0.0	28-89	0.0	UG/KG-	3700	ND
05/05/94	SPM1*CDMHNSS*22	39061*8270/3540-G	PENTACHLOROPHENOL	151	17-109	0.0	UG/KG-	7300	11000
05/05/94	SPM1*CDMHNSS*22	34472*8270/3540-G	PYRENE	16	35-142	5400	UG/KG-	3700	600
05/05/94	SPM2*CDMHNSS*22	34695*8270/3540-G	PHENOL	75	26-90	0.0	UG/KG-	7300	5500
05/05/94	SPM2*CDMHNSS*22	34589*8270/3540-G	2-CHLOROPHENOL	86	25-102	0.0	UG/KG-	7300	6300
05/05/94	SPM2*CDMHNSS*22	34574*8270/3540-G	1,4-DICHLOROBENZENE	89	28-104	0.0	UG/KG-	3700	3300
05/05/94	SPM2*CDMHNSS*22	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	105	41-126	0.0	UG/KG-	3700	3900
05/05/94	SPM2*CDMHNSS*22	34554*8270/3540-G	1,2,4-TRICH'BENZENE	95	38-107	0.0	UG/KG-	3700	3500
05/05/94	SPM2*CDMHNSS*22	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	111	26-103	0.0	UG/KG-	7300	8100
05/05/94	SPM2*CDMHNSS*22	34208*8270/3540-G	ACENAPHTHENE	103	31-137	0.0	UG/KG-	3700	3800
05/05/94	SPM2*CDMHNSS*22	34649*8270/3540-G	4-NITROPHENOL	0.0	11-114	0.0	UG/KG-	7300	ND
05/05/94	SPM2*CDMHNSS*22	34614*8270/3540-G	2,4-DINITROTOLUENE	0.0	28-89	0.0	UG/KG-	3700	ND
05/05/94	SPM2*CDMHNSS*22	39061*8270/3540-G	PENTACHLOROPHENOL	164	17-109	0.0	UG/KG-	7300	12000
05/05/94	SPM2*CDMHNSS*22	34472*8270/3540-G	PYRENE	57	35-142	5400	UG/KG-	3700	2100

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/05/94	MB*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7100	110	25-121
05/05/94	MB*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6390	95.8	24-113
05/05/94	MB*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
05/05/94	MB*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2900	88	30-115
05/05/94	MB*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7060	106	19-122
05/05/94	MB*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3410	102	18-137
05/05/94	SP1*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7200	110	25-121
05/05/94	SP1*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6580	98.7	24-113
05/05/94	SP1*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2900	88	23-120
05/05/94	SP1*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3000	91	30-115
05/05/94	SP1*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	8920	134	19-122
05/05/94	SP1*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	4540	136	18-137
05/05/94	DA*CDMHNSS*22	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	5000	75	25-121
05/05/94	DA*CDMHNSS*22	98326*SUR	PHENOL-D(5)	UG/KG-	6670	3970	59.5	24-113
05/05/94	DA*CDMHNSS*22	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2400	73	23-120
05/05/94	DA*CDMHNSS*22	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2900	88	30-115
05/05/94	DA*CDMHNSS*22	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6800	102	19-122
05/05/94	DA*CDMHNSS*22	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3460	104	18-137
05/05/94	DA*CDMHNSS*23	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7300	110	25-121
05/05/94	DA*CDMHNSS*23	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6500	97.5	24-113
05/05/94	DA*CDMHNSS*23	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3100	94	23-120
05/05/94	DA*CDMHNSS*23	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3000	91	30-115
05/05/94	DA*CDMHNSS*23	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7940	119	19-122
05/05/94	DA*CDMHNSS*23	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3130	94.0	18-137
05/05/94	SPM1*CDMHNSS*22	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	5000	75	25-121
05/05/94	SPM1*CDMHNSS*22	98326*SUR	PHENOL-D(5)	UG/KG-	6670	4640	69.6	24-113
05/05/94	SPM1*CDMHNSS*22	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2200	67	23-120
05/05/94	SPM1*CDMHNSS*22	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2800	85	30-115
05/05/94	SPM1*CDMHNSS*22	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6620	99.3	19-122
05/05/94	SPM1*CDMHNSS*22	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2680	80.5	18-137
05/05/94	SPM2*CDMHNSS*22	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	5200	78	25-121
05/05/94	SPM2*CDMHNSS*22	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5070	76.0	24-113
05/05/94	SPM2*CDMHNSS*22	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3100	94	23-120
05/05/94	SPM2*CDMHNSS*22	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3100	94	30-115
05/05/94	SPM2*CDMHNSS*22	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6980	105	19-122
05/05/94	SPM2*CDMHNSS*22	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3020	90.7	18-137

ESE BATCH : G48825

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48825 Analysis Date: 05/05/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			24DINITOL
			PENTCLPHE
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	4NITROPHE
			24DINITOL
			PENTCLPHE
			PYRENE
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	4CL3MEHPH
			4NITROPHE
			24DINITOL
			PENTCLPHE
			PYRENE
Surrogate present?	X		
Surrogate within acceptance criteria?		X	94325*SUR
			98326*SUR
			94327*SUR
			98330*SUR
			9[illegible]443*SUR
			9[illegible]449*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB.:STANDARD MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:FOR PHENOL, THE SP1 RECOVERY WAS
107.5% WITH AN UPPER LIMIT OF 90%.
FOR 2-CHLOROPHENOL, THE SP1 RECOVERY
WAS 113.4% WITH AN UPPER LIMIT OF 102%.
4-CHLORO-3-METHYLPHENOL, THE SP1 AND SPM2
RECOVERIES WERE 111.9% AND 111.0% WITH AN
UPPER LIMIT OF 103%. FOR 2,4-DNT THE SP1

RECOVERY WAS 106.1% WITH AN UPPER LIMIT OF 89%. FOR PENTACHLOROPHENOL, THE SP1, SPM1 AND SPM2 RECOVERIES WERE 131.3%, 150.7% AND 164.4% WITH AN UPPER LIMIT OF 109%. ALL OF THE ABOVE RECOVERIES ARE WITHIN THE RANGE OF HISTORIC DATA. FOR 4-NITROPHENOL AND 2,4-DNT THE TEN-FOLD DILUTION FACTOR AND THE OILY NATURE OF THE SAMPLE MATRIX PREVENTED THE ANALYTES FROM BEING DETECTED IN SPM1 AND SPM2. FOR PYRENE, THE ANALYTE WAS FOUND IN LARGE QUANTITIES IN THE NATIVE MATRIX OF SPM1 AND SPM2. DUE TO SAMPLING ERRORS, THE QUANTITIES OF PYRENE EVIDENTLY PRESENT IN THE SPM1 AND SPM2 VARIED GREATLY AND RESULTED IN THE INDICATED FAILURES. FOR SP1,THE 2,4,6-TRIBROMOPHENOL

ESE BATCH : G48825
RECOVERY WAS ABOVE THE UPPER LIMIT.
CLP CRITERIA ALLOW FOR THE FAILURE OF
ONE ACID AND ONE BASE./WSK
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK
PROB.:SAMPLE MATRIX SPIKE DUPLICATE NOT
WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK
PROB.:SURROGATE NOT WITHIN ACCEPTANCE
CRITERIA.
EXPL.:SEE ABOVE./WSK

ESE BATCH : G48825

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 : G48857
CLASSIFICATION : ACID EXTR.-EPA 8270/3540(SDX)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR : Z. MATHIS
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/20/94 07:14:39
ANALYSIS DATE : 05/06/94
EXTRACT DATE : 05/05/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK9

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*24	EBG1-1-02	05/06/94	12:25PM
CDMHNSS*25	ESV1-1-01	05/06/94	01:19PM
CDMHNSS*26	WBG2-1-02	05/06/94	02:14PM
CDMHNSS*27	WBG2-2-02	05/06/94	03:09PM

ESE BATCH : G48857

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98325 METHOD: SUR 2-FLUOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98326 METHOD: SUR PHENOL-D(5), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: 8270/3540-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34276 METHOD: 8270/3540-G BIS(2-CHLOROETHYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: 8270/3540-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: 8270/3540-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: 8270/3540-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: 8270/3540-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75212 METHOD: 8270/3540-G BENZYL ALCOHOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: 8270/3540-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: 8270/3540-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: 8270/3540-G BIS(2-CHL'ISOPROPYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34431 METHOD: 8270/3540-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: 8270/3540-G HEXACHLOROETHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98327 METHOD: SUR NITROBENZENE-D(5), UG/KG-DRY GCMS

ESE BATCH : G48857

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: 8270/3540-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: 8270/3540-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: 8270/3540-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: 8270/3540-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75315 METHOD: 8270/3540-G BENZOIC ACID, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2700 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34281 METHOD: 8270/3540-G BIS(2-CHLOROETHOXY) METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: 8270/3540-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: 8270/3540-G 1,2,4-TRICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: 8270/3540-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: 8270/3540-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: 8270/3540-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: 8270/3540-G 4-CHLORO-3-METHYL PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: 8270/3540-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: 8270/3540-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1000 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: 8270/3540-G 2,4,6-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48857
DETECTION LIMIT=170 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: 8270/3540-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=170 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98330 METHOD: SUR 2-FLUOROBIPHENYL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: 8270/3540-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: 8270/3540-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34344 METHOD: 8270/3540-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: 8270/3540-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=150 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: 8270/3540-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: 8270/3540-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: 8270/3540-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: 8270/3540-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1300 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: 8270/3540-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: 8270/3540-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=120 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: 8270/3540-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: 8270/3540-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34644 METHOD: 8270/3540-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48857
STORET: 34384 METHOD: 8270/3540-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: 8270/3540-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=400 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: 8270/3540-G N-NITROSODIPHENYLAMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97448 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: 8270/3540-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=670 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: 8270/3540-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: 8270/3540-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: 8270/3540-G PENTACHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=250 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34464 METHOD: 8270/3540-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: 8270/3540-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 39112 METHOD: 8270/3540-G DI-N-BUTYL PHTHALATE , UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: 8270/3540-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: 8270/3540-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97449 METHOD: SUR TERPHENYL-D(14), UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: 8270/3540-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: 8270/3540-G 3,3-DICHLOROBENZIDINE, UG/KG-DRY GCMS

ESE BATCH : G48857
CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: 8270/3540-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: 8270/3540-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: 8270/3540-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: 8270/3540-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: 8270/3540-G BENZO(B)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34245 METHOD: 8270/3540-G BENZO(K)FLUORANTHENE UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: 8270/3540-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: 8270/3540-G INDENO(1,2,3-CD) PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: 8270/3540-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: 8270/3540-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/05/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48857

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/06/94	MB*NONE*1	34695*8270/3540-G	PHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	34276*8270/3540-G	BIS(2-CHLOROETHYL ETHER	UG/KG-	ND
05/06/94	MB*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	34569*8270/3540-G	1,3-DICHLOROBENZENE	UG/KG-	ND
05/06/94	MB*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	UG/KG-	ND
05/06/94	MB*NONE*1	34539*8270/3540-G	1,2-DICHLOROBENZENE	UG/KG-	ND
05/06/94	MB*NONE*1	75212*8270/3540-G	BENZYL ALCOHOL	UG/KG-	ND
05/06/94	MB*NONE*1	78872*8270/3540-G	2-METHYLPHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	78803*8270/3540-G	4-METHYLPHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	34286*8270/3540-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/KG-	ND
05/06/94	MB*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
05/06/94	MB*NONE*1	34399*8270/3540-G	HEXACHLOROETHANE	UG/KG-	ND
05/06/94	MB*NONE*1	34450*8270/3540-G	NITROBENZENE	UG/KG-	ND
05/06/94	MB*NONE*1	34411*8270/3540-G	ISOPHORONE	UG/KG-	ND
05/06/94	MB*NONE*1	34594*8270/3540-G	2-NITROPHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	34609*8270/3540-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	75315*8270/3540-G	BENZOIC ACID	UG/KG-	ND
05/06/94	MB*NONE*1	34281*8270/3540-G	BIS(2-CHLOROETHOXY) METHANE	UG/KG-	ND
05/06/94	MB*NONE*1	34604*8270/3540-G	2,4-DICHLOROPHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
05/06/94	MB*NONE*1	34445*8270/3540-G	NAPHTHALENE	UG/KG-	ND
05/06/94	MB*NONE*1	78867*8270/3540-G	4-CHLOROANILINE	UG/KG-	ND
05/06/94	MB*NONE*1	39705*8270/3540-G	HEXACHLOROBUTADIENE	UG/KG-	ND
05/06/94	MB*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	78868*8270/3540-G	2-METHYLNAPHTHALENE	UG/KG-	ND
05/06/94	MB*NONE*1	34389*8270/3540-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
05/06/94	MB*NONE*1	34624*8270/3540-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	98587*8270/3540-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	34584*8270/3540-G	2-CHLORONAPHTHALENE	UG/KG-	ND
05/06/94	MB*NONE*1	98588*8270/3540-G	2-NITROANILINE	UG/KG-	ND
05/06/94	MB*NONE*1	34344*8270/3540-G	DIMETHYL PHTHALATE	UG/KG-	ND
05/06/94	MB*NONE*1	34203*8270/3540-G	ACENAPHTHYLENE	UG/KG-	ND
05/06/94	MB*NONE*1	34629*8270/3540-G	2,6-DINITROTOLUENE	UG/KG-	ND
05/06/94	MB*NONE*1	78869*8270/3540-G	3-NITROANILINE	UG/KG-	ND
05/06/94	MB*NONE*1	34208*8270/3540-G	ACENAPHTHENE	UG/KG-	ND
05/06/94	MB*NONE*1	34619*8270/3540-G	2,4-DINITROPHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	34649*8270/3540-G	4-NITROPHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	75647*8270/3540-G	DIBENZOFURAN	UG/KG-	ND
05/06/94	MB*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	UG/KG-	ND
05/06/94	MB*NONE*1	34339*8270/3540-G	DIETHYL PHTHALATE	UG/KG-	ND
05/06/94	MB*NONE*1	34644*8270/3540-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
05/06/94	MB*NONE*1	34384*8270/3540-G	FLUORENE	UG/KG-	ND
05/06/94	MB*NONE*1	78870*8270/3540-G	4-NITROANILINE	UG/KG-	ND
05/06/94	MB*NONE*1	34436*8270/3540-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
05/06/94	MB*NONE*1	34660*8270/3540-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	34639*8270/3540-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
05/06/94	MB*NONE*1	39701*8270/3540-G	HEXACHLOROBENZENE	UG/KG-	ND
05/06/94	MB*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	UG/KG-	ND
05/06/94	MB*NONE*1	34464*8270/3540-G	PHENANTHRENE	UG/KG-	ND
05/06/94	MB*NONE*1	34223*8270/3540-G	ANTHRACENE	UG/KG-	ND
05/06/94	MB*NONE*1	39112*8270/3540-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
05/06/94	MB*NONE*1	34379*8270/3540-G	FLUORANTHENE	UG/KG-	ND
05/06/94	MB*NONE*1	34472*8270/3540-G	PYRENE	UG/KG-	ND
05/06/94	MB*NONE*1	34295*8270/3540-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
05/06/94	MB*NONE*1	34634*8270/3540-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
05/06/94	MB*NONE*1	34529*8270/3540-G	BENZO(A)ANTHRACENE	UG/KG-	ND
05/06/94	MB*NONE*1	34323*8270/3540-G	CHRYSENE	UG/KG-	ND
05/06/94	MB*NONE*1	39102*8270/3540-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG-	ND
05/06/94	MB*NONE*1	34599*8270/3540-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
05/06/94	MB*NONE*1	34233*8270/3540-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
05/06/94	MB*NONE*1	34245*8270/3540-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
05/06/94	MB*NONE*1	34250*8270/3540-G	BENZO(A)PYRENE	UG/KG-	ND
05/06/94	MB*NONE*1	34406*8270/3540-G	INDENO(1,2,3-CD) PYRENE	UG/KG-	ND
05/06/94	MB*NONE*1	34559*8270/3540-G	DIBEN(A,H)ANTH'CENE	UG/KG-	ND
05/06/94	MB*NONE*1	34524*8270/3540-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/06/94	SP1*NONE*1	34695*8270/3540-G	PHENOL	106	26-90	UG/KG-	6700	7100
05/06/94	SP1*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	113	25-102	UG/KG-	6700	7600
05/06/94	SP1*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	94	28-104	UG/KG-	3300	3100
05/06/94	SP1*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	82	41-126	UG/KG-	3300	2700

ESE BATCH : G48857

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/06/94	SP1*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	94	38-107	UG/KG-	3300	3100
05/06/94	SP1*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	112	26-103	UG/KG-	6700	7500
05/06/94	SP1*NONE*1	34208*8270/3540-G	ACENAPHTHENE	97	31-137	UG/KG-	3300	3200
05/06/94	SP1*NONE*1	34649*8270/3540-G	4-NITROPHENOL	84	11-114	UG/KG-	6700	5600
05/06/94	SP1*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	103	28-89	UG/KG-	3300	3400
05/06/94	SP1*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	134	17-109	UG/KG-	6700	9000
05/06/94	SP1*NONE*1	34472*8270/3540-G	PYRENE	91	35-142	UG/KG-	3300	3000

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/06/94	SPM1*CDMHNSS*27	34695*8270/3540-G	PHENOL	104	26-90	0.0	UG/KG-	7100	7400
05/06/94	SPM1*CDMHNSS*27	34589*8270/3540-G	2-CHLOROPHENOL	107	25-102	0.0	UG/KG-	7100	7600
05/06/94	SPM1*CDMHNSS*27	34574*8270/3540-G	1,4-DICHLOROBENZENE	86	28-104	0.0	UG/KG-	3500	3000
05/06/94	SPM1*CDMHNSS*27	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	77	41-126	0.0	UG/KG-	3500	2700
05/06/94	SPM1*CDMHNSS*27	34554*8270/3540-G	1,2,4-TRICH'BENZENE	86	38-107	0.0	UG/KG-	3500	3000
05/06/94	SPM1*CDMHNSS*27	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	111	26-103	0.0	UG/KG-	7100	7900
05/06/94	SPM1*CDMHNSS*27	34208*8270/3540-G	ACENAPHTHENE	97	31-137	0.0	UG/KG-	3500	3400
05/06/94	SPM1*CDMHNSS*27	34649*8270/3540-G	4-NITROPHENOL	106	11-114	0.0	UG/KG-	7100	7500
05/06/94	SPM1*CDMHNSS*27	34614*8270/3540-G	2,4-DINITROTOLUENE	103	28-89	0.0	UG/KG-	3500	3600
05/06/94	SPM1*CDMHNSS*27	39061*8270/3540-G	PENTACHLOROPHENOL	141	17-109	0.0	UG/KG-	7100	10000
05/06/94	SPM1*CDMHNSS*27	34472*8270/3540-G	PYRENE	117	35-142	0.0	UG/KG-	3500	4100
05/06/94	SPM2*CDMHNSS*27	34695*8270/3540-G	PHENOL	97	26-90	0.0	UG/KG-	7100	6900
05/06/94	SPM2*CDMHNSS*27	34589*8270/3540-G	2-CHLOROPHENOL	99	25-102	0.0	UG/KG-	7100	7000
05/06/94	SPM2*CDMHNSS*27	34574*8270/3540-G	1,4-DICHLOROBENZENE	83	28-104	0.0	UG/KG-	3500	2900
05/06/94	SPM2*CDMHNSS*27	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	74	41-126	0.0	UG/KG-	3500	2600
05/06/94	SPM2*CDMHNSS*27	34554*8270/3540-G	1,2,4-TRICH'BENZENE	80	38-107	0.0	UG/KG-	3500	2800
05/06/94	SPM2*CDMHNSS*27	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	104	26-103	0.0	UG/KG-	7100	7400
05/06/94	SPM2*CDMHNSS*27	34208*8270/3540-G	ACENAPHTHENE	91	31-137	0.0	UG/KG-	3500	3200
05/06/94	SPM2*CDMHNSS*27	34649*8270/3540-G	4-NITROPHENOL	90	11-114	0.0	UG/KG-	7100	6400
05/06/94	SPM2*CDMHNSS*27	34614*8270/3540-G	2,4-DINITROTOLUENE	91	28-89	0.0	UG/KG-	3500	3200
05/06/94	SPM2*CDMHNSS*27	39061*8270/3540-G	PENTACHLOROPHENOL	137	17-109	0.0	UG/KG-	7100	9700
05/06/94	SPM2*CDMHNSS*27	34472*8270/3540-G	PYRENE	77	35-142	0.0	UG/KG-	3500	2700

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/06/94	MB*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6900	100	25-121
05/06/94	MB*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5970	89.5	24-113
05/06/94	MB*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2600	79	23-120
05/06/94	MB*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2900	88	30-115
05/06/94	MB*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7120	107	19-122
05/06/94	MB*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3170	95.2	18-137
05/06/94	DA*CDMHNSS*24	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7100	110	25-121
05/06/94	DA*CDMHNSS*24	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6330	94.9	24-113
05/06/94	DA*CDMHNSS*24	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
05/06/94	DA*CDMHNSS*24	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2900	88	30-115
05/06/94	DA*CDMHNSS*24	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	8480	127	19-122
05/06/94	DA*CDMHNSS*24	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2990	89.8	18-137
05/06/94	DA*CDMHNSS*25	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7200	110	25-121
05/06/94	DA*CDMHNSS*25	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6370	95.5	24-113
05/06/94	DA*CDMHNSS*25	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2900	88	23-120
05/06/94	DA*CDMHNSS*25	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3100	94	30-115
05/06/94	DA*CDMHNSS*25	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7690	115	19-122
05/06/94	DA*CDMHNSS*25	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3380	102	18-137
05/06/94	DA*CDMHNSS*26	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7100	110	25-121
05/06/94	DA*CDMHNSS*26	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6380	95.7	24-113
05/06/94	DA*CDMHNSS*26	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
05/06/94	DA*CDMHNSS*26	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2900	88	30-115
05/06/94	DA*CDMHNSS*26	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	9090	136	19-122
05/06/94	DA*CDMHNSS*26	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3920	118	18-137
05/06/94	DA*CDMHNSS*27	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6900	100	25-121
05/06/94	DA*CDMHNSS*27	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6390	95.8	24-113
05/06/94	DA*CDMHNSS*27	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2900	88	23-120
05/06/94	DA*CDMHNSS*27	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3000	91	30-115
05/06/94	DA*CDMHNSS*27	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7860	118	19-122
05/06/94	DA*CDMHNSS*27	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2870	86.2	18-137
05/06/94	SPM1*CDMHNSS*27	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7000	100	25-121
05/06/94	SPM1*CDMHNSS*27	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6260	93.9	24-113
05/06/94	SPM1*CDMHNSS*27	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
05/06/94	SPM1*CDMHNSS*27	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2900	88	30-115
05/06/94	SPM1*CDMHNSS*27	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	9070	136	19-122
05/06/94	SPM1*CDMHNSS*27	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3980	120	18-137

ESE BATCH : G48857

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/06/94	SPM2*CDMHNSS*27	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6800	100	25-121
05/06/94	SPM2*CDMHNSS*27	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6290	94.3	24-113
05/06/94	SPM2*CDMHNSS*27	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
05/06/94	SPM2*CDMHNSS*27	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2900	88	30-115
05/06/94	SPM2*CDMHNSS*27	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	8210	123	19-122
05/06/94	SPM2*CDMHNSS*27	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2720	81.7	18-137
05/06/94	SP1*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7500	110	25-121
05/06/94	SP1*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6640	99.6	24-113
05/06/94	SP1*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3200	97	23-120
05/06/94	SP1*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3100	94	30-115
05/06/94	SP1*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	8990	135	19-122
05/06/94	SP1*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3200	96.1	18-137

ESE BATCH : G48857

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48857 Analysis Date: 05/06/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			24DINITOL
			PENTCLPHE
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			24DINITOL
			PENTCLPHE
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	PHENOL
			4CL3MEHPH
			24DINITOL
			PENTCLPHE
			PYRENE
Surrogate present?	X		
Surrogate within acceptance criteria?		X	98325*SUR
			98326*SUR
			98327*SUR
			98330*SUR
			97448*SUR
			97449*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
FINALIZED PER EHM./DRW 5/9
PROB.:STANDARD MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:FOR PHENOL, THE SP1, SPM1 AND
SPM2 RECOVERIES WERE 106%, 104.2%,
AND 97.2% WITH AN UPPER LIMIT OF
90%. FOR 2-CHLOROPHENOL, THE SP1

AND SPM1 RECOVERIES WERE 113.4% AND
107% WITH AN UPPER LIMIT OF 103% FOR
4-CHLORO-3-METHYLPHENOL, THE SP1, SPM1
AND SPM2 RECOVERIES WERE 111.9%, 111.3%
AND 104.2% WITH AN UPPER LIMIT OF 103%.
FOR 2,4-DNT THE SP1, SPM1 AND SPM2 RECOVERIES
WERE 103%, 102.9% AND 91.4% WITH AN UPPER LIMIT
OF 89%. FOR PENTACHLOROPHENOL, THE SP1, SPM1 AND
SPM2 RECOVERIES WERE 134.3%, 140.8% AND 136.6%
WITH AN UPPER LIMIT OF 109%. ALL OF THE ABOVE
RECOVERIES ARE WITHIN THE RANGE OF HISTORIC DATA.
FOR PYRENE THE RPD WAS 11.2% WITH AN UPPER LIMIT
OF 36%. THE PEAKS WERE MANUALLY CHECKED TO INSURE
PROPER INTEGRATION. FOR CDMHNSS*24,26,SPM1,SPM2 AND SP1
THE 2,4,6-TBP RECOVERIES WERE ABOVE THE UPPER LIMIT.
CLP CRITERIA ALLOW FOR THE FAILURE OF ONE ACID AND
ONE BASE SURROGATES./WSK
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.

ESE BATCH : G48857
EXPL.:SEE ABOVE./WSK
PROB.:SAMPLE MATRIX SPIKE DUPLICATE
NOT WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK
PROB.:SURROGATE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK

ESE BATCH : G48857

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 : G48891
CLASSIFICATION : ACID EXTR.-EPA 8270/3540(SOX)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR : CHERYL GRANT
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/20/94 07:17:42
ANALYSIS DATE : 05/07/94
EXTRACT DATE : 05/06/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK10

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*28	WA04-3-20	05/09/94	07:50PM
CDMHNSS*31	WBG3-1-02	05/09/94	11:27PM
CDMHNSS*33	WWC2-1-00	05/10/94	12:21AM
CDMHNSS*32	EWC1-1-00	05/10/94	02:09AM

ESE BATCH : G48891

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98325 METHOD: SUR 2-FLUOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98326 METHOD: SUR PHENOL-D(5), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: 8270/3540-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34276 METHOD: 8270/3540-G BIS(2-CHLOROETHYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: 8270/3540-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: 8270/3540-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: 8270/3540-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: 8270/3540-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75212 METHOD: 8270/3540-G BENZYL ALCOHOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: 8270/3540-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: 8270/3540-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: 8270/3540-G BIS(2-CHL'ISOPROPYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: 8270/3540-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: 8270/3540-G HEXACHLOROETHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98327 METHOD: SUR NITROBENZENE-D(5), UG/KG-DRY GCMS

ESE BATCH : G48891

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: 8270/3540-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: 8270/3540-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: 8270/3540-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: 8270/3540-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75315 METHOD: 8270/3540-G BENZOIC ACID, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2700 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34281 METHOD: 8270/3540-G BIS(2-CHLOROETHOXY) METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: 8270/3540-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: 8270/3540-G 1,2,4-TRICH'BENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: 8270/3540-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: 8270/3540-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: 8270/3540-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: 8270/3540-G 4-CHLORO-3-METHYL PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: 8270/3540-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: 8270/3540-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1000 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: 8270/3540-G 2,4,6-TRICH'PHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48891
DETECTION LIMIT=170 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: 8270/3540-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=170 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98330 METHOD: SUR 2-FLUOROBIPHENYL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: 8270/3540-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: 8270/3540-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34344 METHOD: 8270/3540-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: 8270/3540-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=150 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: 8270/3540-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: 8270/3540-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: 8270/3540-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: 8270/3540-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1300 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: 8270/3540-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: 8270/3540-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=120 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: 8270/3540-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: 8270/3540-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34644 METHOD: 8270/3540-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48891
STORET: 34384 METHOD: 8270/3540-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: 8270/3540-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=400 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: 8270/3540-G N-NITROSODIPHE'AMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97448 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: 8270/3540-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=670 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: 8270/3540-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: 8270/3540-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: 8270/3540-G PENTACHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=250 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34464 METHOD: 8270/3540-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: 8270/3540-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: 8270/3540-G DI-N-BUTYL PHTHALATE , UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: 8270/3540-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: 8270/3540-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97449 METHOD: SUR TERPHENYL-D(14), UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: 8270/3540-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: 8270/3540-G 3,3-DICHL'BENZIDINE, UG/KG-DRY GCMS

ESE BATCH : G48891
CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: 8270/3540-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: 8270/3540-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: 8270/3540-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: 8270/3540-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: 8270/3540-G BENZO(B)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34245 METHOD: 8270/3540-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: 8270/3540-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: 8270/3540-G INDENO(1,2,3-CD) PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: 8270/3540-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: 8270/3540-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48891

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/09/94	MB*NONE*1	34695*8270/3540-G	PHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34276*8270/3540-G	BIS(2-CHLOROETHYL ETHER	UG/KG-	ND
05/09/94	MB*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34569*8270/3540-G	1,3-DICHLOROBENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	34539*8270/3540-G	1,2-DICHLOROBENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	75212*8270/3540-G	BENZYL ALCOHOL	UG/KG-	ND
05/09/94	MB*NONE*1	78872*8270/3540-G	2-METHYLPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	78803*8270/3540-G	4-METHYLPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34286*8270/3540-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/KG-	ND
05/09/94	MB*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
05/09/94	MB*NONE*1	34399*8270/3540-G	HEXACHLOROETHANE	UG/KG-	ND
05/09/94	MB*NONE*1	34450*8270/3540-G	NITROBENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	34411*8270/3540-G	ISOPHORONE	UG/KG-	ND
05/09/94	MB*NONE*1	34594*8270/3540-G	2-NITROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34609*8270/3540-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	75315*8270/3540-G	BENZOIC ACID	UG/KG-	ND
05/09/94	MB*NONE*1	34281*8270/3540-G	BIS(2-CHLOROETHOXY) METHANE	UG/KG-	ND
05/09/94	MB*NONE*1	34604*8270/3540-G	2,4-DICHLOROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	34445*8270/3540-G	NAPHTHALENE	UG/KG-	ND
05/09/94	MB*NONE*1	78867*8270/3540-G	4-CHLOROANILINE	UG/KG-	ND
05/09/94	MB*NONE*1	39705*8270/3540-G	HEXACHLOROBUTADIENE	UG/KG-	ND
05/09/94	MB*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	78868*8270/3540-G	2-METHYLNAPHTHALENE	UG/KG-	ND
05/09/94	MB*NONE*1	34389*8270/3540-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
05/09/94	MB*NONE*1	34624*8270/3540-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	98587*8270/3540-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34584*8270/3540-G	2-CHLORONAPHTHALENE	UG/KG-	ND
05/09/94	MB*NONE*1	98588*8270/3540-G	2-NITROANILINE	UG/KG-	ND
05/09/94	MB*NONE*1	34344*8270/3540-G	DIMETHYL PHTHALATE	UG/KG-	ND
05/09/94	MB*NONE*1	34203*8270/3540-G	ACENAPHTHYLENE	UG/KG-	ND
05/09/94	MB*NONE*1	34629*8270/3540-G	2,6-DINITROTOLUENE	UG/KG-	ND
05/09/94	MB*NONE*1	78869*8270/3540-G	3-NITROANILINE	UG/KG-	ND
05/09/94	MB*NONE*1	34208*8270/3540-G	ACENAPHTHENE	UG/KG-	ND
05/09/94	MB*NONE*1	34619*8270/3540-G	2,4-DINITROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34649*8270/3540-G	4-NITROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	75647*8270/3540-G	DIBENZOFURAN	UG/KG-	ND
05/09/94	MB*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	UG/KG-	ND
05/09/94	MB*NONE*1	34339*8270/3540-G	DIETHYL PHTHALATE	UG/KG-	ND
05/09/94	MB*NONE*1	34644*8270/3540-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
05/09/94	MB*NONE*1	34384*8270/3540-G	FLUORENE	UG/KG-	ND
05/09/94	MB*NONE*1	78870*8270/3540-G	4-NITROANILINE	UG/KG-	ND
05/09/94	MB*NONE*1	34436*8270/3540-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
05/09/94	MB*NONE*1	34660*8270/3540-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34639*8270/3540-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
05/09/94	MB*NONE*1	39701*8270/3540-G	HEXACHLOROBENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34464*8270/3540-G	PHENANTHRENE	UG/KG-	ND
05/09/94	MB*NONE*1	34223*8270/3540-G	ANTHRACENE	UG/KG-	ND
05/09/94	MB*NONE*1	39112*8270/3540-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
05/09/94	MB*NONE*1	34379*8270/3540-G	FLUORANTHENE	UG/KG-	ND
05/09/94	MB*NONE*1	34472*8270/3540-G	PYRENE	UG/KG-	ND
05/09/94	MB*NONE*1	34295*8270/3540-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
05/09/94	MB*NONE*1	34634*8270/3540-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
05/09/94	MB*NONE*1	34529*8270/3540-G	BENZO(A)ANTHRACENE	UG/KG-	ND
05/09/94	MB*NONE*1	34323*8270/3540-G	CHRYSENE	UG/KG-	ND
05/09/94	MB*NONE*1	39102*8270/3540-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG-	ND
05/09/94	MB*NONE*1	34599*8270/3540-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
05/09/94	MB*NONE*1	34233*8270/3540-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
05/09/94	MB*NONE*1	34245*8270/3540-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
05/09/94	MB*NONE*1	34250*8270/3540-G	BENZO(A)PYRENE	UG/KG-	ND
05/09/94	MB*NONE*1	34406*8270/3540-G	INDENO(1,2,3-CD) PYRENE	UG/KG-	ND
05/09/94	MB*NONE*1	34559*8270/3540-G	DIBEN(A,H)ANTH'CENE	UG/KG-	ND
05/09/94	MB*NONE*1	34524*8270/3540-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/09/94	SP1*NONE*1	34695*8270/3540-G	PHENOL	94	26-90	UG/KG-	6700	6300
05/09/94	SP1*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	97	25-102	UG/KG-	6700	6500
05/09/94	SP1*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	82	28-104	UG/KG-	3300	2700
05/09/94	SP1*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	79	41-126	UG/KG-	3300	2600

ESE BATCH : G48891

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/09/94	SP1*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	85	38-107	UG/KG-	3300	2800
05/09/94	SP1*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	107	26-103	UG/KG-	6700	7200
05/09/94	SP1*NONE*1	34208*8270/3540-G	ACENAPHTHENE	91	31-137	UG/KG-	3300	3000
05/09/94	SP1*NONE*1	34649*8270/3540-G	4-NITROPHENOL	104	11-114	UG/KG-	6700	7000
05/09/94	SP1*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	82	28-89	UG/KG-	3300	2700
05/09/94	SP1*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	127	17-109	UG/KG-	6700	8500
05/09/94	SP1*NONE*1	34472*8270/3540-G	PYRENE	70	35-142	UG/KG-	3300	2300

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/09/94	SPM1*CDMHNSS*28	34695*8270/3540-G	PHENOL	99	26-90	0.0	UG/KG-	6800	6700
05/09/94	SPM1*CDMHNSS*28	34589*8270/3540-G	2-CHLOROPHENOL	101	25-102	0.0	UG/KG-	6800	6900
05/09/94	SPM1*CDMHNSS*28	34574*8270/3540-G	1,4-DICHLOROBENZENE	82	28-104	0.0	UG/KG-	3400	2800
05/09/94	SPM1*CDMHNSS*28	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	76	41-126	0.0	UG/KG-	3400	2600
05/09/94	SPM1*CDMHNSS*28	34554*8270/3540-G	1,2,4-TRICH'BENZENE	85	38-107	0.0	UG/KG-	3400	2900
05/09/94	SPM1*CDMHNSS*28	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	112	26-103	0.0	UG/KG-	6800	7600
05/09/94	SPM1*CDMHNSS*28	34208*8270/3540-G	ACENAPHTHENE	91	31-137	0.0	UG/KG-	3400	3100
05/09/94	SPM1*CDMHNSS*28	34649*8270/3540-G	4-NITROPHENOL	101	11-114	0.0	UG/KG-	6800	6900
05/09/94	SPM1*CDMHNSS*28	34614*8270/3540-G	2,4-DINITROTOLUENE	88	28-89	0.0	UG/KG-	3400	3000
05/09/94	SPM1*CDMHNSS*28	39061*8270/3540-G	PENTACHLOROPHENOL	128	17-109	0.0	UG/KG-	6800	8700
05/09/94	SPM1*CDMHNSS*28	34472*8270/3540-G	PYRENE	74	35-142	0.0	UG/KG-	3400	2500
05/09/94	SPM2*CDMHNSS*28	34695*8270/3540-G	PHENOL	99	26-90	0.0	UG/KG-	6800	6700
05/09/94	SPM2*CDMHNSS*28	34589*8270/3540-G	2-CHLOROPHENOL	100	25-102	0.0	UG/KG-	6800	6800
05/09/94	SPM2*CDMHNSS*28	34574*8270/3540-G	1,4-DICHLOROBENZENE	82	28-104	0.0	UG/KG-	3400	2800
05/09/94	SPM2*CDMHNSS*28	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	71	41-126	0.0	UG/KG-	3400	2400
05/09/94	SPM2*CDMHNSS*28	34554*8270/3540-G	1,2,4-TRICH'BENZENE	82	38-107	0.0	UG/KG-	3400	2800
05/09/94	SPM2*CDMHNSS*28	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	112	26-103	0.0	UG/KG-	6800	7600
05/09/94	SPM2*CDMHNSS*28	34208*8270/3540-G	ACENAPHTHENE	88	31-137	0.0	UG/KG-	3400	3000
05/09/94	SPM2*CDMHNSS*28	34649*8270/3540-G	4-NITROPHENOL	97	11-114	0.0	UG/KG-	6800	6600
05/09/94	SPM2*CDMHNSS*28	34614*8270/3540-G	2,4-DINITROTOLUENE	88	28-89	0.0	UG/KG-	3400	3000
05/09/94	SPM2*CDMHNSS*28	39061*8270/3540-G	PENTACHLOROPHENOL	116	17-109	0.0	UG/KG-	6800	7900
05/09/94	SPM2*CDMHNSS*28	34472*8270/3540-G	PYRENE	85	35-142	0.0	UG/KG-	3400	2900

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/09/94	MB*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	8100	120	25-121
05/09/94	MB*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7000	105	24-113
05/09/94	MB*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2300	70	23-120
05/09/94	MB*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2300	70	30-115
05/09/94	MB*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6870	103	19-122
05/09/94	MB*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2190	65.8	18-137
05/09/94	SP1*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7300	110	25-121
05/09/94	SP1*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6320	94.8	24-113
05/09/94	SP1*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2300	70	23-120
05/09/94	SP1*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2300	70	30-115
05/09/94	SP1*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7880	118	19-122
05/09/94	SP1*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2110	63.4	18-137
05/09/94	DA*CDMHNSS*28	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7300	110	25-121
05/09/94	DA*CDMHNSS*28	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6950	104	24-113
05/09/94	DA*CDMHNSS*28	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2400	73	23-120
05/09/94	DA*CDMHNSS*28	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2300	70	30-115
05/09/94	DA*CDMHNSS*28	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	6390	95.8	19-122
05/09/94	DA*CDMHNSS*28	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2100	63.1	18-137
05/09/94	SPM1*CDMHNSS*28	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6500	97	25-121
05/09/94	SPM1*CDMHNSS*28	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6330	94.9	24-113
05/09/94	SPM1*CDMHNSS*28	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2300	70	23-120
05/09/94	SPM1*CDMHNSS*28	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2300	70	30-115
05/09/94	SPM1*CDMHNSS*28	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	8320	125	19-122
05/09/94	SPM1*CDMHNSS*28	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2170	65.2	18-137
05/09/94	SPM2*CDMHNSS*28	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6800	100	25-121
05/09/94	SPM2*CDMHNSS*28	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6540	98.1	24-113
05/09/94	SPM2*CDMHNSS*28	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2200	67	23-120
05/09/94	SPM2*CDMHNSS*28	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2200	67	30-115
05/09/94	SPM2*CDMHNSS*28	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	8290	124	19-122
05/09/94	SPM2*CDMHNSS*28	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2400	72.1	18-137
05/09/94	DA*CDMHNSS*31	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7500	110	25-121
05/09/94	DA*CDMHNSS*31	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6940	104	24-113
05/09/94	DA*CDMHNSS*31	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2300	70	23-120
05/09/94	DA*CDMHNSS*31	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2400	73	30-115
05/09/94	DA*CDMHNSS*31	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7170	107	19-122
05/09/94	DA*CDMHNSS*31	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2230	67.0	18-137

ESE BATCH : G48891

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/10/94	DA*CDMHNSS*33	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7500	110	25-121
05/10/94	DA*CDMHNSS*33	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7100	106	24-113
05/10/94	DA*CDMHNSS*33	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
05/10/94	DA*CDMHNSS*33	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2600	79	30-115
05/10/94	DA*CDMHNSS*33	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	8700	130	19-122
05/10/94	DA*CDMHNSS*33	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2520	75.7	18-137
05/10/94	DA*CDMHNSS*32	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	3500	52	25-121
05/10/94	DA*CDMHNSS*32	98326*SUR	PHENOL-D(5)	UG/KG-	6670	2480	37.2	24-113
05/10/94	DA*CDMHNSS*32	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	1300	39	23-120
05/10/94	DA*CDMHNSS*32	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	1700	52	30-115
05/10/94	DA*CDMHNSS*32	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	4050	60.7	19-122
05/10/94	DA*CDMHNSS*32	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	1770	53.2	18-137

ESE BATCH : G48891

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48891 Analysis Date: 05/07/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			4CL3MEHPH
			PENTCLPHE
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PHENOL
			4CL3MEHPH
			PENTCLPHE
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	PHENOL
			4CL3MEHPH
			PENTCLPHE
Surrogate present?	X		
Surrogate within acceptance criteria?		X	98325*SUR
			98326*SUR
			98327*SUR
			98330*SUR
			97448*SUR
			97449*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB.:STANDARD MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:FOR PHENOL, THE SP1, SPM1 AND SPM2
RECOVERIES WERE 94.0%, 98.5% AND 98.5%
WITH AN UPPER LIMIT OF 90%. FOR 4-
CHLORO-3-METHYLPHENOL THE SP1, SPM1 AND
SPM2 RECOVERIES WERE 107.5%,111.8% AND
111.8% WITH AN UPPER LIMIT OF 103%. FOR
PENTACHLOROPHENOL, THE SP1, SPM1 AND SPM2
RECOVERIES WERE 126.9%, 127.9% AND 116.2%
WITH AN UPPER LIMIT OF 109%. THESE RECOVERIES
WERE WITHIN THE RANGE OF HISTORIC DATA. FOR
2,4,6-TBP, RECOVERIES EXCEEDED THE UPPER LIMIT
ON SPM1, SPM2 AND CDMHNSS*30. CLP CRITERIA ALLOW
FOR THE FAILURE OF ONE ACID AND ONE BASE SURROGATE./WSK
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK
PROB.:SAMPLE MATRIX SPIKE DUPLICATE NOT

WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./WSK
PROB.:SURROGATE NOT WITHIN ACCEPTANCE
CRITERIA.
EXPL.:SEE ABOVE./WSK

ESE BATCH : G48891

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 : G48916
CLASSIFICATION : PHENOLICS - CLP SOW OLM0..3

QC TYPE : FDER/SW
ANALYST : WILLIAM VAN AUSDALE
EXTRACTOR : Z. MATHIS
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/20/94 07:31:24
ANALYSIS DATE : 05/09/94
EXTRACT DATE : 05/06/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

BATCH NOTES
DOWNLOAD FILE WAVHAN2

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*29	WA04-4-08	05/09/94	11:52AM
CDMHNSS*30	WSV2-1-01	05/09/94	01:45PM

ESE BATCH : G48916

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 95004 METHOD: SUR 2-FLUOROPHENOL (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 95003 METHOD: SUR PHENOL-D(5 (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: CLP90/SON-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34276 METHOD: CLP90/SON-G BIS(2-CHLOROETHYL)ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 95007 METHOD: SUR 2-CHLOROPHENOL-D4 (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: CLP90/SON-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: CLP90/SON-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: CLP90/SON-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 95009 METHOD: SUR 1,2-DICHLOROBENZENE-D4 (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: CLP90/SON-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: CLP90/SON-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: CLP90/SON-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: CLP90/SON-G 2,2'-OXYBIS(1-CHLOROPROPANE), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: CLP90/SON-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: CLP90/SON-G HEXACHLOROETHANE, UG/KG-DRY GCMS

ESE BATCH : G48916

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 95051 METHOD: SUR NITROBENZENE-D(5) (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW

STORET: 34450 METHOD: CLP90/SON-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: CLP90/SON-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: CLP90/SON-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: CLP90/SON-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34281 METHOD: CLP90/SON-G BIS(2-CHLOROETHOXY)METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: CLP90/SON-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: CLP90/SON-G 1,2,4-TRICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: CLP90/SON-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 78867 METHOD: CLP90/SON-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 39705 METHOD: CLP90/SON-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: CLP90/SON-G 4-CHLORO-3-METHYLPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: CLP90/SON-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: CLP90/SON-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: CLP90/SON-G 2,4,6-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48916
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 98587 METHOD: CLP90/SON-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 95052 METHOD: SUR 2-FLUOROBIPHENYL (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: CLP90/SON-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: CLP90/SON-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34344 METHOD: CLP90/SON-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: CLP90/SON-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: CLP90/SON-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: CLP90/SON-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: CLP90/SON-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: CLP90/SON-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: CLP90/SON-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: CLP90/SON-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: CLP90/SON-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: CLP90/SON-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34644 METHOD: CLP90/SON-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48916
STORET: 34384 METHOD: CLP90/SON-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: CLP90/SON-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 95005 METHOD: SUR 2,4,6-TRIBROMOPHENOL (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: CLP90/SON-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW.

STORET: 34436 METHOD: CLP90/SON-G N-NITROSODIPHENYLAMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW.

STORET: 34639 METHOD: CLP90/SON-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: CLP90/SON-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: CLP90/SON-G PENTACHLPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34464 METHOD: CLP90/SON-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: CLP90/SON-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 96242 METHOD: CLP90/SON-G CARBAZOLE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: CLP90/SON-G DI-N-BUTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: CLP90/SON-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: CLP90/SON-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 95002 METHOD: SUR TERPHENYL-D(14) (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: CLP90/SON-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

ESE BATCH : G48916
CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: CLP90/SON-G 3 3-DICHLOROBENZIDINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34529 METHOD: CLP90/SON-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34323 METHOD: CLP90/SON-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 39102 METHOD: CLP90/SON-G BIS(2-ETHYLHEXYL)PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: CLP90/SON-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: CLP90/SON-G BENZO(B)FLUORANTHENE UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34245 METHOD: CLP90/SON-G BENZO(K)FLUORANTHENE UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: CLP90/SON-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: CLP90/SON-G INDENO(1,2,3-CD)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: CLP90/SON-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: CLP90/SON-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48916

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/09/94	MB*NONE*1	34695*CLP90/SON-G	PHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34276*CLP90/SON-G	BIS(2-CHLOROETHYL)ETHER	UG/KG-	ND
05/09/94	MB*NONE*1	34589*CLP90/SON-G	2-CHLOROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34569*CLP90/SON-G	1,3-DICHLOROBENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	34574*CLP90/SON-G	1,4-DICHLOROBENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	34539*CLP90/SON-G	1,2-DICHLOROBENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	78872*CLP90/SON-G	2-METHYLPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	78803*CLP90/SON-G	4-METHYLPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34286*CLP90/SON-G	2,2'-OXYBIS(1-CHLOROPROPANE)	UG/KG-	ND
05/09/94	MB*NONE*1	34431*CLP90/SON-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
05/09/94	MB*NONE*1	34399*CLP90/SON-G	HEXACHLOROETHANE	UG/KG-	ND
05/09/94	MB*NONE*1	34450*CLP90/SON-G	NITROBENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	34411*CLP90/SON-G	ISOPHORONE	UG/KG-	ND
05/09/94	MB*NONE*1	34594*CLP90/SON-G	2-NITROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34609*CLP90/SON-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34281*CLP90/SON-G	BIS(2-CHLOROETHOXY)METHANE	UG/KG-	ND
05/09/94	MB*NONE*1	34604*CLP90/SON-G	2,4-DICHLOROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34554*CLP90/SON-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	34445*CLP90/SON-G	NAPHTHALENE	UG/KG-	ND
05/09/94	MB*NONE*1	78867*CLP90/SON-G	4-CHLOROANILINE	UG/KG-	ND
05/09/94	MB*NONE*1	39705*CLP90/SON-G	HEXACHLOROBUTADIENE	UG/KG-	ND
05/09/94	MB*NONE*1	34455*CLP90/SON-G	4-CHLORO-3-METHYLPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	78868*CLP90/SON-G	2-METHYLNAPHTHALENE	UG/KG-	ND
05/09/94	MB*NONE*1	34389*CLP90/SON-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
05/09/94	MB*NONE*1	34624*CLP90/SON-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	98587*CLP90/SON-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34584*CLP90/SON-G	2-CHLORONAPHTHALENE	UG/KG-	ND
05/09/94	MB*NONE*1	98588*CLP90/SON-G	2-NITROANILINE	UG/KG-	ND
05/09/94	MB*NONE*1	34344*CLP90/SON-G	DIMETHYL PHTHALATE	UG/KG-	ND
05/09/94	MB*NONE*1	34203*CLP90/SON-G	ACENAPHTHYLENE	UG/KG-	ND
05/09/94	MB*NONE*1	34629*CLP90/SON-G	2,6-DINITROTOLUENE	UG/KG-	ND
05/09/94	MB*NONE*1	78869*CLP90/SON-G	3-NITROANILINE	UG/KG-	ND
05/09/94	MB*NONE*1	34208*CLP90/SON-G	ACENAPHTHENE	UG/KG-	ND
05/09/94	MB*NONE*1	34619*CLP90/SON-G	2,4-DINITROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34649*CLP90/SON-G	4-NITROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	75647*CLP90/SON-G	DIBENZOFURAN	UG/KG-	ND
05/09/94	MB*NONE*1	34614*CLP90/SON-G	2,4-DINITROTOLUENE	UG/KG-	ND
05/09/94	MB*NONE*1	34339*CLP90/SON-G	DIETHYL PHTHALATE	UG/KG-	ND
05/09/94	MB*NONE*1	34644*CLP90/SON-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
05/09/94	MB*NONE*1	34384*CLP90/SON-G	FLUORENE	UG/KG-	ND
05/09/94	MB*NONE*1	78870*CLP90/SON-G	4-NITROANILINE	UG/KG-	ND
05/09/94	MB*NONE*1	34660*CLP90/SON-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34436*CLP90/SON-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
05/09/94	MB*NONE*1	34639*CLP90/SON-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
05/09/94	MB*NONE*1	39701*CLP90/SON-G	HEXACHLOROBENZENE	UG/KG-	ND
05/09/94	MB*NONE*1	39061*CLP90/SON-G	PENTACHLPHENOL	UG/KG-	ND
05/09/94	MB*NONE*1	34464*CLP90/SON-G	PHENANTHRENE	UG/KG-	ND
05/09/94	MB*NONE*1	34223*CLP90/SON-G	ANTHRACENE	UG/KG-	ND
05/09/94	MB*NONE*1	96242*CLP90/SON-G	CARBAZOLE	UG/KG-	ND
05/09/94	MB*NONE*1	39112*CLP90/SON-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
05/09/94	MB*NONE*1	34379*CLP90/SON-G	FLUORANTHENE	UG/KG-	ND
05/09/94	MB*NONE*1	34472*CLP90/SON-G	PYRENE	UG/KG-	ND
05/09/94	MB*NONE*1	34295*CLP90/SON-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
05/09/94	MB*NONE*1	34634*CLP90/SON-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
05/09/94	MB*NONE*1	34529*CLP90/SON-G	BENZO(A)ANTHRACENE	UG/KG-	ND
05/09/94	MB*NONE*1	34323*CLP90/SON-G	CHRYSENE	UG/KG-	ND
05/09/94	MB*NONE*1	39102*CLP90/SON-G	BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG-	98
05/09/94	MB*NONE*1	34599*CLP90/SON-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
05/09/94	MB*NONE*1	34233*CLP90/SON-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
05/09/94	MB*NONE*1	34245*CLP90/SON-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
05/09/94	MB*NONE*1	34250*CLP90/SON-G	BENZO(A)PYRENE	UG/KG-	ND
05/09/94	MB*NONE*1	34406*CLP90/SON-G	INDENO(1,2,3-CD)PYRENE	UG/KG-	ND
05/09/94	MB*NONE*1	34559*CLP90/SON-G	DIBEN(A,H)ANTHRACENE	UG/KG-	ND
05/09/94	MB*NONE*1	34524*CLP90/SON-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/09/94	SPM1*CDMHNSS*29	34695*CLP90/SON-G	PHENOL	85	26-90	0.0	UG/KG-	2600	2200
05/09/94	SPM1*CDMHNSS*29	34589*CLP90/SON-G	2-CHLOROPHENOL	81	25-102	0.0	UG/KG-	2600	2100
05/09/94	SPM1*CDMHNSS*29	34574*CLP90/SON-G	1,4-DICHLOROBENZENE	78	28-104	0.0	UG/KG-	1800	1400
05/09/94	SPM1*CDMHNSS*29	34431*CLP90/SON-G	N-NITROSODI-N-PROPYLAMINE	78	41-126	0.0	UG/KG-	1800	1400
05/09/94	SPM1*CDMHNSS*29	34554*CLP90/SON-G	1,2,4-TRICH'BENZENE	83	38-107	0.0	UG/KG-	1800	1500

ESE BATCH : G48916

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/09/94	SPM1*CDMHNSS*29	34435*CLP90/SON-G	4-CHLORO-3-METHYLPHENOL	85	26-103	0.0	UG/KG-	2600	2200
05/09/94	SPM1*CDMHNSS*29	34208*CLP90/SON-G	ACENAPHTHENE	83	31-137	0.0	UG/KG-	1800	1500
05/09/94	SPM1*CDMHNSS*29	34649*CLP90/SON-G	4-NITROPHENOL	77	11-114	0.0	UG/KG-	2600	2000
05/09/94	SPM1*CDMHNSS*29	34614*CLP90/SON-G	2,4-DINITROTOLUENE	89	28-89	0.0	UG/KG-	1800	1600
05/09/94	SPM1*CDMHNSS*29	39061*CLP90/SON-G	PENTACHLPHENOL	127	17-109	0.0	UG/KG-	2600	3300
05/09/94	SPM1*CDMHNSS*29	34472*CLP90/SON-G	PYRENE	94	35-142	0.0	UG/KG-	1800	1700
05/09/94	SPM2*CDMHNSS*29	34695*CLP90/SON-G	PHENOL	88	26-90	0.0	UG/KG-	2600	2300
05/09/94	SPM2*CDMHNSS*29	34589*CLP90/SON-G	2-CHLOROPHENOL	81	25-102	0.0	UG/KG-	2600	2100
05/09/94	SPM2*CDMHNSS*29	34574*CLP90/SON-G	1,4-DICHLOROBENZENE	72	28-104	0.0	UG/KG-	1800	1300
05/09/94	SPM2*CDMHNSS*29	34431*CLP90/SON-G	N-NITROSODI-N-PROPYLAMINE	72	41-126	0.0	UG/KG-	1800	1300
05/09/94	SPM2*CDMHNSS*29	34554*CLP90/SON-G	1,2,4-TRICHLOROBENZENE	78	38-107	0.0	UG/KG-	1800	1400
05/09/94	SPM2*CDMHNSS*29	34455*CLP90/SON-G	4-CHLORO-3-METHYLPHENOL	85	26-103	0.0	UG/KG-	2600	2200
05/09/94	SPM2*CDMHNSS*29	34208*CLP90/SON-G	ACENAPHTHENE	83	31-137	0.0	UG/KG-	1800	1500
05/09/94	SPM2*CDMHNSS*29	34649*CLP90/SON-G	4-NITROPHENOL	62	11-114	0.0	UG/KG-	2600	1600
05/09/94	SPM2*CDMHNSS*29	34614*CLP90/SON-G	2,4-DINITROTOLUENE	83	28-89	0.0	UG/KG-	1800	1500
05/09/94	SPM2*CDMHNSS*29	39061*CLP90/SON-G	PENTACHLPHENOL	100	17-109	0.0	UG/KG-	2600	2600
05/09/94	SPM2*CDMHNSS*29	34472*CLP90/SON-G	PYRENE	94	35-142	0.0	UG/KG-	1800	1700

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/09/94	MB*NONE*1	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	1900	76	25-121
05/09/94	MB*NONE*1	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	1900	76.0	24-113
05/09/94	MB*NONE*1	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	1900	76	20-130
05/09/94	MB*NONE*1	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1500	88	20-130
05/09/94	MB*NONE*1	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1500	88	23-120
05/09/94	MB*NONE*1	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1500	88	30-115
05/09/94	MB*NONE*1	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	2000	80.0	19-122
05/09/94	MB*NONE*1	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	1800	108	18-137
05/09/94	DA*CDMHNSS*29	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	1400	56	25-121
05/09/94	DA*CDMHNSS*29	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	1600	64.0	24-113
05/09/94	DA*CDMHNSS*29	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	1500	60	20-130
05/09/94	DA*CDMHNSS*29	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1200	71	20-130
05/09/94	DA*CDMHNSS*29	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1200	71	23-120
05/09/94	DA*CDMHNSS*29	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1200	71	30-115
05/09/94	DA*CDMHNSS*29	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	1700	68.0	19-122
05/09/94	DA*CDMHNSS*29	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	1700	102	18-137
05/09/94	SPM1*CDMHNSS*29	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	1700	68	25-121
05/09/94	SPM1*CDMHNSS*29	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	1800	72.0	24-113
05/09/94	SPM1*CDMHNSS*29	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	1800	72	20-130
05/09/94	SPM1*CDMHNSS*29	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1400	82	20-130
05/09/94	SPM1*CDMHNSS*29	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1300	76	23-120
05/09/94	SPM1*CDMHNSS*29	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1400	82	30-115
05/09/94	SPM1*CDMHNSS*29	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	2200	88.0	19-122
05/09/94	SPM1*CDMHNSS*29	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	1800	108	18-137
05/09/94	SPM2*CDMHNSS*29	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	1600	64	25-121
05/09/94	SPM2*CDMHNSS*29	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	1800	72.0	24-113
05/09/94	SPM2*CDMHNSS*29	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	1700	68	20-130
05/09/94	SPM2*CDMHNSS*29	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1300	76	20-130
05/09/94	SPM2*CDMHNSS*29	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1200	71	23-120
05/09/94	SPM2*CDMHNSS*29	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1400	82	30-115
05/09/94	SPM2*CDMHNSS*29	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	2000	80.0	19-122
05/09/94	SPM2*CDMHNSS*29	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	1900	114	18-137
05/09/94	DA*CDMHNSS*30	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	1500	60	25-121
05/09/94	DA*CDMHNSS*30	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	1700	68.0	24-113
05/09/94	DA*CDMHNSS*30	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	1600	64	20-130
05/09/94	DA*CDMHNSS*30	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1200	71	20-130
05/09/94	DA*CDMHNSS*30	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1200	71	23-120
05/09/94	DA*CDMHNSS*30	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1200	71	30-115
05/09/94	DA*CDMHNSS*30	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	1700	68.0	19-122
05/09/94	DA*CDMHNSS*30	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	1600	95.8	18-137

ESE BATCH : G48916

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48916 Analysis Date 05/09/94 Analyst: WILLIAM VAN AUSDALE

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PENTCLPHE
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?	X		
Surrogate present?	X		
Surrogate within acceptance criteria?		X	95004*SUR
			95003*SUR
			95007*SUR
			12DICLBEN
			95051*SUR
			95052*SUR
			95006*SUR
			95002*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:THE MATRIX SPIKE AND RECOVERIES
WERE ABOVE THE UPPER LIMIT FOR
PENTACHLOROPHENOL. THIS RECOVERY
IS VERY GOOD FOR THIS METHOD.
FOLLOWING THE CLP 3/90 SOW
MATRIX SPIKE RECOVERIES ARE ONLY
ADVISORY AND THEIR FAILURE DOES NOT
INDICATE A QC PROBLEM./WAV

ESE BATCH : G48916

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 : G49170
CLASSIFICATION : ACID EXTR.-EPA 8270/3540(SDX)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR : ABRAHAM JACOB
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/20/94 07:20:40
ANALYSIS DATE : 05/15/94
EXTRACT DATE : 05/14/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK12

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*34	EA01-2-05	05/15/94	05:49PM
CDMHNSS*35	EA01-3-05	05/15/94	06:39PM

ESE BATCH : G49170

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98325 METHOD: SUR 2-FLUOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98326 METHOD: SUR PHENOL-D(5), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: 8270/3540-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34276 METHOD: 8270/3540-G BIS(2-CHLOROETHYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: 8270/3540-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34569 METHOD: 8270/3540-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: 8270/3540-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: 8270/3540-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75212 METHOD: 8270/3540-G BENZYL ALCOHOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: 8270/3540-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: 8270/3540-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: 8270/3540-G BIS(2-CHLOROISOPROPYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: 8270/3540-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: 8270/3540-G HEXACHLOROETHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98327 METHOD: SUR NITROBENZENE-D(5), UG/KG-DRY GCMS

ESE BATCH : G49170

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD: RT WINDOW:

STORET: 34450 METHOD: 8270/3540-G NITROBENZENE UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: 8270/3540-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: 8270/3540-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: 8270/3540-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 75315 METHOD: 8270/3540-G BENZOIC ACID, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2700 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34281 METHOD: 8270/3540-G BIS(2-CHLOROETHOXY) METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: 8270/3540-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: 8270/3540-G 1,2,4-TRICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: 8270/3540-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: 8270/3540-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: 8270/3540-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: 8270/3540-G 4-CHLORO-3-METHYL PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: 8270/3540-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: 8270/3540-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1000 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: 8270/3540-G 2,4,6-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G49170
DETECTION LIMIT=170 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: 8270/3540-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=170 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98330 METHOD: SUR 2-FLUOROBIPHENYL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: 8270/3540-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: 8270/3540-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34344 METHOD: 8270/3540-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: 8270/3540-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=150 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: 8270/3540-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: 8270/3540-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: 8270/3540-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: 8270/3540-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1300 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: 8270/3540-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: 8270/3540-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=120 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: 8270/3540-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: 8270/3540-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34644 METHOD: 8270/3540-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49170
STORET: 34384 METHOD: 8270/3540-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 78870 METHOD: 8270/3540-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=400 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: 8270/3540-G N-NITROSODIPHENYLAMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97448 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: 8270/3540-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=670 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: 8270/3540-G 4-BROMOPHENYL PHENYL ETHER, UG/KG DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: 8270/3540-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: 8270/3540-G PENTACHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=250 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34464 METHOD: 8270/3540-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: 8270/3540-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: 8270/3540-G DI-N-BUTYL PHTHALATE , UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: 8270/3540-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: 8270/3540-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97449 METHOD: SUR TERPHENYL-D(14), UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: 8270/3540-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: 8270/3540-G 3,3-DICHLOROBENZIDINE, UG/KG-DRY GCMS

ESE BATCH : G49170
CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: 8270/3540-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: 8270/3540-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: 8270/3540-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34599 METHOD: 8270/3540-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34233 METHOD: 8270/3540-G BENZO(B)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34245 METHOD: 8270/3540-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: 8270/3540-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: 8270/3540-G INDENO(1,2,3-CD) PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: 8270/3540-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: 8270/3540-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49170

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/15/94	MB*NONE*1	34695*8270/3540-G	PHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	34276*8270/3540-G	BIS(2-CHLOROETHYL) ETHER	UG/KG-	ND
05/15/94	MB*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	34569*8270/3540-G	1,3-DICHLOROBENZENE	UG/KG-	ND
05/15/94	MB*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	UG/KG-	ND
05/15/94	MB*NONE*1	34539*8270/3540-G	1,2-DICHLOROBENZENE	UG/KG-	ND
05/15/94	MB*NONE*1	75212*8270/3540-G	BENZYL ALCOHOL	UG/KG-	ND
05/15/94	MB*NONE*1	78872*8270/3540-G	2-METHYLPHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	78803*8270/3540-G	4-METHYLPHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	34286*8270/3540-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/KG-	ND
05/15/94	MB*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
05/15/94	MB*NONE*1	34399*8270/3540-G	HEXACHLOROETHANE	UG/KG-	ND
05/15/94	MB*NONE*1	34450*8270/3540-G	NITROBENZENE	UG/KG-	ND
05/15/94	MB*NONE*1	34411*8270/3540-G	ISOPHORONE	UG/KG-	ND
05/15/94	MB*NONE*1	34594*8270/3540-G	2-NITROPHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	34609*8270/3540-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	75315*8270/3540-G	BENZOIC ACID	UG/KG-	ND
05/15/94	MB*NONE*1	34281*8270/3540-G	BIS(2-CHLOROETHOXY) METHANE	UG/KG-	ND
05/15/94	MB*NONE*1	34604*8270/3540-G	2,4-DICHLOROPHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
05/15/94	MB*NONE*1	34445*8270/3540-G	NAPHTHALENE	UG/KG-	ND
05/15/94	MB*NONE*1	78867*8270/3540-G	4-CHLOROANILINE	UG/KG-	ND
05/15/94	MB*NONE*1	39705*8270/3540-G	HEXACHLOROBUTADIENE	UG/KG-	ND
05/15/94	MB*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	78868*8270/3540-G	2-METHYLNAPHTHALENE	UG/KG-	ND
05/15/94	MB*NONE*1	34389*8270/3540-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
05/15/94	MB*NONE*1	34624*8270/3540-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	98587*8270/3540-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	34584*8270/3540-G	2-CHLORONAPHTHALENE	UG/KG-	ND
05/15/94	MB*NONE*1	98588*8270/3540-G	2-NITROANILINE	UG/KG-	ND
05/15/94	MB*NONE*1	34344*8270/3540-G	DIMETHYL PHTHALATE	UG/KG-	ND
05/15/94	MB*NONE*1	34203*8270/3540-G	ACENAPHTHYLENE	UG/KG-	ND
05/15/94	MB*NONE*1	34629*8270/3540-G	2,6-DINITROTOLUENE	UG/KG-	ND
05/15/94	MB*NONE*1	78869*8270/3540-G	3-NITROANILINE	UG/KG-	ND
05/15/94	MB*NONE*1	34208*8270/3540-G	ACENAPHTHENE	UG/KG-	ND
05/15/94	MB*NONE*1	34619*8270/3540-G	2,4-DINITROPHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	34649*8270/3540-G	4-NITROPHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	75647*8270/3540-G	DIBENZOFURAN	UG/KG-	ND
05/15/94	MB*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	UG/KG-	ND
05/15/94	MB*NONE*1	34339*8270/3540-G	DIETHYL PHTHALATE	UG/KG-	ND
05/15/94	MB*NONE*1	34644*8270/3540-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
05/15/94	MB*NONE*1	34384*8270/3540-G	FLUORENE	UG/KG-	ND
05/15/94	MB*NONE*1	78870*8270/3540-G	4-NITROANILINE	UG/KG-	ND
05/15/94	MB*NONE*1	34436*8270/3540-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
05/15/94	MB*NONE*1	34660*8270/3540-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	34639*8270/3540-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
05/15/94	MB*NONE*1	39701*8270/3540-G	HEXACHLOROBENZENE	UG/KG-	ND
05/15/94	MB*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	UG/KG-	ND
05/15/94	MB*NONE*1	34464*8270/3540-G	PHENANTHRENE	UG/KG-	ND
05/15/94	MB*NONE*1	34223*8270/3540-G	ANTHRACENE	UG/KG-	ND
05/15/94	MB*NONE*1	39112*8270/3540-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
05/15/94	MB*NONE*1	34379*8270/3540-G	FLUORANTHENE	UG/KG-	ND
05/15/94	MB*NONE*1	34472*8270/3540-G	PYRENE	UG/KG-	ND
05/15/94	MB*NONE*1	34295*8270/3540-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
05/15/94	MB*NONE*1	34634*8270/3540-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
05/15/94	MB*NONE*1	34529*8270/3540-G	BENZO(A)ANTHRACENE	UG/KG-	ND
05/15/94	MB*NONE*1	34323*8270/3540-G	CHRYSENE	UG/KG-	ND
05/15/94	MB*NONE*1	39102*8270/3540-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG-	ND
05/15/94	MB*NONE*1	34599*8270/3540-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
05/15/94	MB*NONE*1	34233*8270/3540-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
05/15/94	MB*NONE*1	34245*8270/3540-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
05/15/94	MB*NONE*1	34250*8270/3540-G	BENZO(A)PYRENE	UG/KG-	ND
05/15/94	MB*NONE*1	34406*8270/3540-G	INDENO(1,2,3-CD) PYRENE	UG/KG-	ND
05/15/94	MB*NONE*1	34559*8270/3540-G	DIBEN(A,H)ANTH'CENE	UG/KG-	ND
05/15/94	MB*NONE*1	34524*8270/3540-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/15/94	SP1*NONE*1	34695*8270/3540-G	PHENOL	113	26-90	UG/KG-	6700	7600
05/15/94	SP1*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	113	25-102	UG/KG-	6700	7600
05/15/94	SP1*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	91	28-104	UG/KG-	3300	3000
05/15/94	SP1*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	88	41-126	UG/KG-	3300	2900

ESE BATCH : G49170

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/15/94	SP1*NONE*1	34534*8270/3540-G	1,2,4-TRICH'BENZENE	100	38-107	UG/KG-	3300	3300
05/15/94	SP1*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	122	26-103	UG/KG-	6700	8200
05/15/94	SP1*NONE*1	34208*8270/3540-G	ACENAPHTHENE	100	31-137	UG/KG-	3300	3300
05/15/94	SP1*NONE*1	34649*8270/3540-G	4-NITROPHENOL	122	11-114	UG/KG-	6700	8200
05/15/94	SP1*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	106	28-89	UG/KG-	3300	3500
05/15/94	SP1*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	149	17-109	UG/KG-	6700	10000
05/15/94	SP1*NONE*1	34472*8270/3540-G	PYRENE	112	35-142	UG/KG-	3300	3700

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/15/94	SPM1*CDMHNSS*35	34695*8270/3540-G	PHENOL	111	26-90	0.0	UG/KG-	7000	7800
05/15/94	SPM1*CDMHNSS*35	34589*8270/3540-G	2-CHLOROPHENOL	114	25-102	0.0	UG/KG-	7000	8000
05/15/94	SPM1*CDMHNSS*35	34574*8270/3540-G	1,4-DICHLOROBENZENE	91	28-104	0.0	UG/KG-	3500	3200
05/15/94	SPM1*CDMHNSS*35	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	89	41-126	0.0	UG/KG-	3500	3100
05/15/94	SPM1*CDMHNSS*35	34554*8270/3540-G	1,2,4-TRICH'BENZENE	103	38-107	0.0	UG/KG-	3500	3600
05/15/94	SPM1*CDMHNSS*35	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	129	26-103	0.0	UG/KG-	7000	9000
05/15/94	SPM1*CDMHNSS*35	34208*8270/3540-G	ACENAPHTHENE	69	31-137	220	UG/KG-	3500	2400
05/15/94	SPM1*CDMHNSS*35	34649*8270/3540-G	4-NITROPHENOL	141	11-114	0.0	UG/KG-	7000	9900
05/15/94	SPM1*CDMHNSS*35	34614*8270/3540-G	2,4-DINITROTOLUENE	134	28-89	0.0	UG/KG-	3500	4700
05/15/94	SPM1*CDMHNSS*35	39061*8270/3540-G	PENTACHLOROPHENOL	200	17-109	0.0	UG/KG-	7000	14000
05/15/94	SPM1*CDMHNSS*35	34472*8270/3540-G	PYRENE	89	35-142	850	UG/KG-	3500	3100

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/15/94	MB*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	8400	130	25-121
05/15/94	MB*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7310	110	24-113
05/15/94	MB*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2800	85	23-120
05/15/94	MB*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2700	82	30-115
05/15/94	MB*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	8240	124	19-122
05/15/94	MB*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2890	86.8	18-137
05/15/94	SP1*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	8000	120	25-121
05/15/94	SP1*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7460	112	24-113
05/15/94	SP1*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2700	82	23-120
05/15/94	SP1*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2500	76	30-115
05/15/94	SP1*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	10700	160	19-122
05/15/94	SP1*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2990	89.8	18-137
05/15/94	DA*CDMHNSS*34	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6600	99	25-121
05/15/94	DA*CDMHNSS*34	98326*SUR	PHENOL-D(5)	UG/KG-	6670	5940	89.1	24-113
05/15/94	DA*CDMHNSS*34	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2600	79	23-120
05/15/94	DA*CDMHNSS*34	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2300	70	30-115
05/15/94	DA*CDMHNSS*34	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	8500	127	19-122
05/15/94	DA*CDMHNSS*34	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2510	75.4	18-137
05/15/94	DA*CDMHNSS*35	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	6900	100	25-121
05/15/94	DA*CDMHNSS*35	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6100	91.5	24-113
05/15/94	DA*CDMHNSS*35	98327*SUR	NITROBENZENE-D(5	UG/KG-	3300	2700	82	23-120
05/15/94	DA*CDMHNSS*35	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2300	70	30-115
05/15/94	DA*CDMHNSS*35	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	9520	143	19-122
05/15/94	DA*CDMHNSS*35	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3610	108	18-137
05/15/94	SPM1*CDMHNSS*35	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	8300	120	25-121
05/15/94	SPM1*CDMHNSS*35	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7600	114	24-113
05/15/94	SPM1*CDMHNSS*35	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3100	94	23-120
05/15/94	SPM1*CDMHNSS*35	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	2300	70	30-115
05/15/94	SPM1*CDMHNSS*35	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	10100	151	19-122
05/15/94	SPM1*CDMHNSS*35	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	2710	81.4	18-137

ESE BATCH : G49170

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49170 Analysis Date: 05/15/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			4NITROPHE
			24DINITOL
			PENTCLPHE
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			4NITROPHE
			24DINITOL
			PENTCLPHE
Sample matrix spike duplicate present?		X	
Sample matrix spike duplicate within acceptance criteria?			
Surrogate present?	X		
Surrogate within acceptance criteria?		X	98325*SUR
			98326*SUR
			98327*SUR
			98330*SUR
			97448*SUR
			97449*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB: STANDARD MATRIX SPIKE & SAMPLE MATRIX SPIKE
NOT WITHIN ACCEPTANC CRITERIA.
EXPL: FOR PHENOL THE SP1 AND SPM1 RECOVERIES ARE
113.4% AND 111.4% AND AN UPPER LIMIT OF 90%.
FOR 2-CHLOROPHENOL, THE SP1 AND SPM1 RECOVERIES
ARE 113.4% AND 114.3% WITH AN UPPER LIMIT OF
102%. FOR 4-CHLORO-S-METHYL PHENOL, THE SP1 AND
AND SPM1 RECOVERIES ARE 122.4% AND 128.6% WITH
AN UPPER LIMIT OF 103%. FOR 4-NITROPHENOL, THE
SP1 AND SMP1 RECOVERIES WERE 122.4% AND 141.4% WITH
AN UPPER LIMIT OF 119%. FOR 2,4-DNT, THE SP1 AND
SPM1 RECOVERIES ARE 106.1% AND 134.3% WITH AN UPPER

LIMIT OF 89%. FOR PENTACHLOROPHENOL, THE SP1 AND SPM1 RECOVERIES ARE 149.3% AND 203% WITH AN UPPER LIMIT OF 109%. FOR ALL OF THE ABOVE EXCEPT PENTACHLOROPHENOL, THE RECOVERIES ARE WITHIN THE RANGE OF HISTORIC DATA. FOR PCP, THE RECOVERIES ARE DUE POSSIBLY TO A LOW RF IN THE CONTINUING CALIBRATION STANDARD.

PROB: SAMPLE MATRIX SPIKE DUP NOT WITHIN ACCEPTANCE CRITERIA.

EXPL: THE MATRIX SPIKE DUPLICATE WAS LOST DURING THE EXTRACTION PROCESS.

PROB: SURROGATE NOT WITHIN ACCEPTANCE CRITERIA

EXPL: SAMPLES SP1, CDMHNSS*34,*35 HAD HIGH RECOVERIES FOR 2,4,6-TBP. CLP CRITERIA ALLOW FOR THE FAILURE OF ONE ACID AND ONE BASE SURROGATE. SPM1 FAILED ALL ACID SURROGATES. REANALYSIS OF A SPIKE SAMPLE

ESE BATCH : G49170
FOR THESE FAILURES IS NOT REQUIRED BY CLP. THE
MB FAILED TWO ACID SURROGATES AND WAS REANALYZED
ACCORDING TO CLP CRITERIA. / SMK 05-17-94
EXPL: MSD LOST DURING EXTRACT. / EHM (5-17-94

ESE BATCH : G49170

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 : G49285
CLASSIFICATION : PHENOLICS - CLP SOW OLM01.8

QC TYPE : FDER/SW
ANALYST : TOM TOMARAS
EXTRACTOR : ABRAHAM JACOB
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/24/94 10:31:07
ANALYSIS DATE : 05/16/94
EXTRACT DATE : 05/14/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

BATCH NOTES
DOWNLOAD FILE ATHAN3

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*36	EA01-4-14	05/16/94	03:15PM

ESE BATCH : G49285

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 95004 METHOD: SUR 2-FLUOROPHENOL (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 95003 METHOD: SUR PHENOL-D(5) (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: CLP90/SON-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34276 METHOD: CLP90/SON-G BIS(2-CHLOROETHYL)ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 95007 METHOD: SUR 2-CHLOROPHENOL-D4 (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: CLP90/SON-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: CLP90/SON-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: CLP90/SON-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 95009 METHOD: SUR 1,2-DICHLOROBENZENE-D4 (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: CLP90/SON-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: CLP90/SON-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: CLP90/SON-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: CLP90/SON-G 2,2'-OXYBIS(1-CHLOROPROPANE), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: CLP90/SON-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: CLP90/SON-G HEXACHLOROETHANE, UG/KG-DRY GCMS

ESE BATCH : G49285

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 95051 METHOD: SUR NITROBENZENE-D(5) (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: CLP90/SON-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: CLP90/SON-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: CLP90/SON-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: CLP90/SON-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34281 METHOD: CLP90/SON-G BIS(2-CHLOROETHOXY)METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: CLP90/SON-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: CLP90/SON-G 1,2,4-TRICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: CLP90/SON-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: CLP90/SON-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: CLP90/SON-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: CLP90/SON-G 4-CHLORO-3-METHYLPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: CLP90/SON-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: CLP90/SON-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW.

STORET: 34624 METHOD: CLP90/SON-G 2,4,6-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G49285
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98587 METHOD: CLP90/SON-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 95052 METHOD: SUR 2-FLUOROBIPHENYL (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: CLP90/SON-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: CLP90/SON-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34344 METHOD: CLP90/SON-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: CLP90/SON-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: CLP90/SON-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: CLP90/SON-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: CLP90/SON-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: CLP90/SON-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: CLP90/SON-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: CLP90/SON-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: CLP90/SON-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: CLP90/SON-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34644 METHOD: CLP90/SON-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49285
STORET: 34384 METHOD: CLP90/SON-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: CLP90/SON-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 95005 METHOD: SUR 2,4,6-TRIBROMOPHENOL (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: CLP90/SON-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34436 METHOD: CLP90/SON-G N-NITROSODIPHENYLAMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: CLP90/SON-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: CLP90/SON-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: CLP90/SON-G PENTACHLPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=800 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34464 METHOD: CLP90/SON-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: CLP90/SON-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 96242 METHOD: CLP90/SON-G CARBAZOLE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: CLP90/SON-G DI-N-BUTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: CLP90/SON-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: CLP90/SON-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 95002 METHOD: SUR TERPHENYL-D(14) (CLP90/SON), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: CLP90/SON-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

ESE BATCH : G49285
CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: CLP90/SON-G 3,3'-DICHLOROBENZIDINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: CLP90/SON-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: CLP90/SON-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: CLP90/SON-G BIS(2-ETHYLHEXYL)PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: CLP90/SON-G DI-N-OCTYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: CLP90/SON-G BENZO(B)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34245 METHOD: CLP90/SON-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: CLP90/SON-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: CLP90/SON-G INDENO(1,2,3-CD)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: CLP90/SON-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: CLP90/SON-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=330 DATE: LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49285

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	MB*NONE*1	34695*CLP90/SON-G	PHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34276*CLP90/SON-G	BIS(2-CHLOROETHYL)ETHER	UG/KG-	ND
05/16/94	MB*NONE*1	34589*CLP90/SON-G	2-CHLOROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34569*CLP90/SON-G	1,3-DICHLOROBENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	34574*CLP90/SON-G	1,4-DICHLOROBENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	34539*CLP90/SON-G	1,2-DICHLOROBENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	78872*CLP90/SON-G	2-METHYLPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	78803*CLP90/SON-G	4-METHYLPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34286*CLP90/SON-G	2,2'-OXYBIS(1-CHLOROPROPANE	UG/KG-	ND
05/16/94	MB*NONE*1	34431*CLP90/SON-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
05/16/94	MB*NONE*1	34399*CLP90/SON-G	HEXACHLOROETHANE	UG/KG-	ND
05/16/94	MB*NONE*1	34450*CLP90/SON-G	NITROBENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	34411*CLP90/SON-G	ISOPHORONE	UG/KG-	ND
05/16/94	MB*NONE*1	34594*CLP90/SON-G	2-NITROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34609*CLP90/SON-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34281*CLP90/SON-G	BIS(2-CHLOROETHOXY)METHANE	UG/KG-	ND
05/16/94	MB*NONE*1	34604*CLP90/SON-G	2,4-DICHLOROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34554*CLP90/SON-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	34445*CLP90/SON-G	NAPHTHALENE	UG/KG-	ND
05/16/94	MB*NONE*1	78867*CLP90/SON-G	4-CHLOROANILINE	UG/KG-	ND
05/16/94	MB*NONE*1	39705*CLP90/SON-G	HEXACHLOROBUTADIENE	UG/KG-	ND
05/16/94	MB*NONE*1	34455*CLP90/SON-G	4-CHLORO-3-METHYLPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	78868*CLP90/SON-G	2-METHYLNAPHTHALENE	UG/KG-	ND
05/16/94	MB*NONE*1	34389*CLP90/SON-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
05/16/94	MB*NONE*1	34624*CLP90/SON-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	98587*CLP90/SON-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34584*CLP90/SON-G	2-CHLORONAPHTHALENE	UG/KG-	ND
05/16/94	MB*NONE*1	98588*CLP90/SON-G	2-NITROANILINE	UG/KG-	ND
05/16/94	MB*NONE*1	34344*CLP90/SON-G	DIMETHYL PHTHALATE	UG/KG-	ND
05/16/94	MB*NONE*1	34203*CLP90/SON-G	ACENAPHTHYLENE	UG/KG-	ND
05/16/94	MB*NONE*1	34629*CLP90/SON-G	2,6-DINITROTOLUENE	UG/KG-	ND
05/16/94	MB*NONE*1	78869*CLP90/SON-G	3-NITROANILINE	UG/KG-	ND
05/16/94	MB*NONE*1	34208*CLP90/SON-G	ACENAPHTHENE	UG/KG-	ND
05/16/94	MB*NONE*1	34619*CLP90/SON-G	2,4-DINITROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34649*CLP90/SON-G	4-NITROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	75647*CLP90/SON-G	DIBENZOFURAN	UG/KG-	ND
05/16/94	MB*NONE*1	34614*CLP90/SON-G	2,4-DINITROTOLUENE	UG/KG-	ND
05/16/94	MB*NONE*1	34339*CLP90/SON-G	DIETHYL PHTHALATE	UG/KG-	ND
05/16/94	MB*NONE*1	34644*CLP90/SON-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
05/16/94	MB*NONE*1	34384*CLP90/SON-G	FLUORENE	UG/KG-	ND
05/16/94	MB*NONE*1	78870*CLP90/SON-G	4-NITROANILINE	UG/KG-	ND
05/16/94	MB*NONE*1	34660*CLP90/SON-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34436*CLP90/SON-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
05/16/94	MB*NONE*1	34639*CLP90/SON-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
05/16/94	MB*NONE*1	39701*CLP90/SON-G	HEXACHLOROBENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	39061*CLP90/SON-G	PENTACHLPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34464*CLP90/SON-G	PHENANTHRENE	UG/KG-	ND
05/16/94	MB*NONE*1	34223*CLP90/SON-G	ANTHRACENE	UG/KG-	ND
05/16/94	MB*NONE*1	96242*CLP90/SON-G	CARBAZOLE	UG/KG-	ND
05/16/94	MB*NONE*1	39112*CLP90/SON-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
05/16/94	MB*NONE*1	34379*CLP90/SON-G	FLUORANTHENE	UG/KG-	ND
05/16/94	MB*NONE*1	34472*CLP90/SON-G	PYRENE	UG/KG-	ND
05/16/94	MB*NONE*1	34295*CLP90/SON-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
05/16/94	MB*NONE*1	34634*CLP90/SON-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
05/16/94	MB*NONE*1	34529*CLP90/SON-G	BENZO(A)ANTHRACENE	UG/KG-	ND
05/16/94	MB*NONE*1	34323*CLP90/SON-G	CHRYSENE	UG/KG-	ND
05/16/94	MB*NONE*1	39102*CLP90/SON-G	BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG-	130
05/16/94	MB*NONE*1	34599*CLP90/SON-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
05/16/94	MB*NONE*1	34233*CLP90/SON-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
05/16/94	MB*NONE*1	34245*CLP90/SON-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
05/16/94	MB*NONE*1	34250*CLP90/SON-G	BENZO(A)PYRENE	UG/KG-	ND
05/16/94	MB*NONE*1	34406*CLP90/SON-G	INDENO(1,2,3-CD)PYRENE	UG/KG-	ND
05/16/94	MB*NONE*1	34559*CLP90/SON-G	DIBEN(A,H)ANTHRACENE	UG/KG-	ND
05/16/94	MB*NONE*1	34524*CLP90/SON-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/16/94	SPM1*CDMHNSS*36	34695*CLP90/SON-G	PHENOL	104	26-90	0.0	UG/KG-	2600	2700
05/16/94	SPM1*CDMHNSS*36	34589*CLP90/SON-G	2-CHLOROPHENOL	96	25-102	0.0	UG/KG-	2600	2500
05/16/94	SPM1*CDMHNSS*36	34574*CLP90/SON-G	1,4-DICHLOROBENZENE	89	28-104	0.0	UG/KG-	1800	1600
05/16/94	SPM1*CDMHNSS*36	34431*CLP90/SON-G	N-NITROSODI-N-PROPYLAMINE	89	41-126	0.0	UG/KG-	1800	1600
05/16/94	SPM1*CDMHNSS*36	34554*CLP90/SON-G	1,2,4-TRICH'BENZENE	94	38-107	0.0	UG/KG-	1800	1700

ESE BATCH : G49285

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/16/94	SPM1*CDMHNSS*36	34455*CLP90/SON-G	4-CHLORO-3-METHYLPHENOL	119	26-103	0.0	UG/KG-	2600	3100
05/16/94	SPM1*CDMHNSS*36	34208*CLP90/SON-G	ACENAPHTHENE	94	31-137	0.0	UG/KG-	1800	1700
05/16/94	SPM1*CDMHNSS*36	34649*CLP90/SON-G	4-NITROPHENOL	115	11-114	0.0	UG/KG-	2600	3000
05/16/94	SPM1*CDMHNSS*36	34614*CLP90/SON-G	2,4-DINITROTOLUENE	111	28-89	0.0	UG/KG-	1800	2000
05/16/94	SPM1*CDMHNSS*36	39061*CLP90/SON-G	PENTACHLPHENOL	158	17-109	0.0	UG/KG-	2600	4100
05/16/94	SPM1*CDMHNSS*36	34472*CLP90/SON-G	PYRENE	122	35-142	0.0	UG/KG-	1800	2200
05/16/94	SPM2*CDMHNSS*36	34695*CLP90/SON-G	PHENOL	115	26-90	0.0	UG/KG-	2600	3000
05/16/94	SPM2*CDMHNSS*36	34589*CLP90/SON-G	2-CHLOROPHENOL	104	25-102	0.0	UG/KG-	2600	2700
05/16/94	SPM2*CDMHNSS*36	34574*CLP90/SON-G	1,4-DICHLOROBENZENE	94	28-104	0.0	UG/KG-	1800	1700
05/16/94	SPM2*CDMHNSS*36	34431*CLP90/SON-G	N-NITROSODI-N-PROPYLAMINE	100	41-126	0.0	UG/KG-	1800	1800
05/16/94	SPM2*CDMHNSS*36	34554*CLP90/SON-G	1,2,4-TRICH'BENZENE	106	38-107	0.0	UG/KG-	1800	1900
05/16/94	SPM2*CDMHNSS*36	34455*CLP90/SON-G	4-CHLORO-3-METHYLPHENOL	119	26-103	0.0	UG/KG-	2600	3100
05/16/94	SPM2*CDMHNSS*36	34208*CLP90/SON-G	ACENAPHTHENE	106	31-137	0.0	UG/KG-	1800	1900
05/16/94	SPM2*CDMHNSS*36	34649*CLP90/SON-G	4-NITROPHENOL	138	11-114	0.0	UG/KG-	2600	3600
05/16/94	SPM2*CDMHNSS*36	34614*CLP90/SON-G	2,4-DINITROTOLUENE	128	28-89	0.0	UG/KG-	1800	2300
05/16/94	SPM2*CDMHNSS*36	39061*CLP90/SON-G	PENTACHLPHENOL	196	17-109	0.0	UG/KG-	2600	5100
05/16/94	SPM2*CDMHNSS*36	34472*CLP90/SON-G	PYRENE	133	35-142	0.0	UG/KG-	1800	2400

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	MB*NONE*1	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	2200	88	25-121
05/16/94	MB*NONE*1	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	2400	96.0	24-113
05/16/94	MB*NONE*1	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	2200	88	20-130
05/16/94	MB*NONE*1	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1600	94	20-130
05/16/94	MB*NONE*1	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	2000	120	23-120
05/16/94	MB*NONE*1	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1500	88	30-115
05/16/94	MB*NONE*1	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	2100	84.0	19-122
05/16/94	MB*NONE*1	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	1900	114	18-137
05/16/94	DA*CDMHNSS*36	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	2300	92	25-121
05/16/94	DA*CDMHNSS*36	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	2400	96.0	24-113
05/16/94	DA*CDMHNSS*36	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	2200	88	20-130
05/16/94	DA*CDMHNSS*36	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1700	100	20-130
05/16/94	DA*CDMHNSS*36	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1800	110	23-120
05/16/94	DA*CDMHNSS*36	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1800	110	30-115
05/16/94	DA*CDMHNSS*36	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	2600	104	19-122
05/16/94	DA*CDMHNSS*36	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	2100	126	18-137
05/16/94	SPM1*CDMHNSS*36	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	2100	84	25-121
05/16/94	SPM1*CDMHNSS*36	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	2400	96.0	24-113
05/16/94	SPM1*CDMHNSS*36	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	2200	88	20-130
05/16/94	SPM1*CDMHNSS*36	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1600	94	20-130
05/16/94	SPM1*CDMHNSS*36	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1600	94	23-120
05/16/94	SPM1*CDMHNSS*36	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1600	94	30-115
05/16/94	SPM1*CDMHNSS*36	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	2600	104	19-122
05/16/94	SPM1*CDMHNSS*36	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	2100	126	18-137
05/16/94	SPM2*CDMHNSS*36	95004*SUR	2-FLUOROPHENOL (CLP90/SON)	UG/KG-	2500	2300	92	25-121
05/16/94	SPM2*CDMHNSS*36	95003*SUR	PHENOL-D(5) (CLP90/SON)	UG/KG-	2500	2500	100.0	24-113
05/16/94	SPM2*CDMHNSS*36	95007*SUR	2-CHLOROPHENOL-D4 (CLP90/SON)	UG/KG-	2500	2300	92	20-130
05/16/94	SPM2*CDMHNSS*36	95009*SUR	1,2-DICHLOROBENZENE-D4 (CLP90/	UG/KG-	1700	1700	100	20-130
05/16/94	SPM2*CDMHNSS*36	95051*SUR	NITROBENZENE-D(5) (CLP90/SON)	UG/KG-	1700	1800	110	23-120
05/16/94	SPM2*CDMHNSS*36	95052*SUR	2-FLUOROBIPHENYL (CLP90/SON)	UG/KG-	1700	1800	110	30-115
05/16/94	SPM2*CDMHNSS*36	95005*SUR	2,4,6-TRIBROMOPHENOL (CLP90/SO	UG/KG-	2500	2800	112	19-122
05/16/94	SPM2*CDMHNSS*36	95002*SUR	TERPHENYL-D(14) (CLP90/SON)	UG/KG-	1670	2200	132	18-137

ESE BATCH : G49285

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49285 Analysis Date: 05/16/9- Analyst: TOM TOMARAS

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PHENOL
			4CL3MEHPH
			4NITROPHE
			24DINITOL
			PENTCLPHE
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			4NITROPHE
			24DINITOL
			PENTCLPHE
Surrogate present?	X		
Surrogate within acceptance criteria?		X	95004*SUR
			95003*SUR
			95007*SUR
			12DICLBEN
			95051*SUR
			95052*SUR
			95005*SUR
			95002*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB:SAMPLE MATRIX SPIKE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL:THE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES WERE ABOVE THE UPPER LIMIT FOR PHENOL, 4-CHLOROR-3-METHYLPHENOL, 4-NITROPHENOL,2,4-DINITROTOLUENE, PENTACHLOROPHENOL, AND/OR 2-CHLOROPHENOL. THESE RECOVERIES ARE GOOD FOR THIS METHOD. FOLLOWING THE CLP 3/90 SOW MATRIX SPIKE RECOVERIES ARE ONLY ADVISORY AND THEIR FAILUR DOES NOT INDICATE A QC PROBLEM./AT./05-23-94.
PROB:SAMPLE MATRIX SPIKE DUPLICATE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL:SAME AS ABOVE.
EM./05-23-94.

ESE BATCH : G49285

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 : G49211
CLASSIFICATION : ACID EXTR.-EPA 8270/3540(SOX)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR : ABRAHAM JACOB
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/20/94 07:22:54
ANALYSIS DATE : 05/16/94
EXTRACT DATE : 05/14/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK13

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*37	EA01-5-12	05/16/94	11:43AM
CDMHNSS*38	EA01-6-10	05/16/94	03:52PM

ESE BATCH : G49211

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98325 METHOD: SUR 2-FLUOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98326 METHOD: SUR PHENOL-D(5), UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34695 METHOD: 8270/3540-G PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34276 METHOD: 8270/3540-G BIS(2-CHLOROETHYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34589 METHOD: 8270/3540-G 2-CHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34569 METHOD: 8270/3540-G 1,3-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34574 METHOD: 8270/3540-G 1,4-DICHLOROBENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34539 METHOD: 8270/3540-G 1,2-DICHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75212 METHOD: 8270/3540-G BENZYL ALCOHOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78872 METHOD: 8270/3540-G 2-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78803 METHOD: 8270/3540-G 4-METHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34286 METHOD: 8270/3540-G BIS(2-CHL'ISOPROPYL) ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34431 METHOD: 8270/3540-G N-NITROSODI-N-PROPYLAMINE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34399 METHOD: 8270/3540-G HEXACHLOROETHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98327 METHOD: SUR NITROBENZENE-D(5), UG/KG-DRY GCMS

ESE BATCH : G49211

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34450 METHOD: 8270/3540-G NITROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34411 METHOD: 8270/3540-G ISOPHORONE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34594 METHOD: 8270/3540-G 2-NITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34609 METHOD: 8270/3540-G 2,4-DIMETHYLPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75315 METHOD: 8270/3540-G BENZOIC ACID, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2700 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34281 METHOD: 8270/3540-G BIS(2-CHLOROETHOXY) METHANE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34604 METHOD: 8270/3540-G 2,4-DICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34554 METHOD: 8270/3540-G 1,2,4-TRICH'BENZENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34445 METHOD: 8270/3540-G NAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78867 METHOD: 8270/3540-G 4-CHLOROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39705 METHOD: 8270/3540-G HEXACHLOROBUTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34455 METHOD: 8270/3540-G 4-CHLORO-3-METHYL PHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78868 METHOD: 8270/3540-G 2-METHYLNAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34389 METHOD: 8270/3540-G HEXACHLOROCYCLOPENTADIENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1000 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34624 METHOD: 8270/3540-G 2,4,6-TRICH'PHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1

ESE BATCH : G49211
DETECTION LIMIT=170 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 98587 METHOD: 8270/3540-G 2,4,5-TRICHLOROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=170 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98330 METHOD: SUR 2-FLUOROBIPHENYL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34584 METHOD: 8270/3540-G 2-CHLORONAPHTHALENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98588 METHOD: 8270/3540-G 2-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34344 METHOD: 8270/3540-G DIMETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34203 METHOD: 8270/3540-G ACENAPHTHYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=150 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34629 METHOD: 8270/3540-G 2,6-DINITROTOLUENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78869 METHOD: 8270/3540-G 3-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=300 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34208 METHOD: 8270/3540-G ACENAPHTHENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34619 METHOD: 8270/3540-G 2,4-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1300 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34649 METHOD: 8270/3540-G 4-NITROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 75647 METHOD: 8270/3540-G DIBENZOFURAN, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=120 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34614 METHOD: 8270/3540-G 2,4-DINITROTOLUENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34339 METHOD: 8270/3540-G DIETHYL PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34644 METHOD: 8270/3540-G 4-CHLOROPHENYLPHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49211
STORET: 34384 METHOD: 8270/3540-G FLUORENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 78870 METHOD: 8270/3540-G 4-NITROANILINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=400 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34436 METHOD: 8270/3540-G N-NITROSODIPHE'AMINE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97448 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34660 METHOD: 8270/3540-G 2-METHYL-4,6-DINITROPHENOL, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=670 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34639 METHOD: 8270/3540-G 4-BROMOPHENYL PHENYL ETHER, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39701 METHOD: 8270/3540-G HEXACHLOROBENZENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39061 METHOD: 8270/3540-G PENTACHLOROPHENOL, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=250 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34464 METHOD: 8270/3540-G PHENANTHRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34223 METHOD: 8270/3540-G ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39112 METHOD: 8270/3540-G DI-N-BUTYL PHTHALATE , UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34379 METHOD: 8270/3540-G FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34472 METHOD: 8270/3540-G PYRENE, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=70 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97449 METHOD: SUR TERPHENYL-D(14), UG/KG GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34295 METHOD: 8270/3540-G BUTYLBENZYLPHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34634 METHOD: 8270/3540-G 3,3-DICHL'BENZIDINE, UG/KG-DRY GCMS

ESE BATCH : G49211
CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34529 METHOD: 8270/3540-G BENZO(A)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34323 METHOD: 8270/3540-G CHRYSENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39102 METHOD: 8270/3540-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34599 METHOD: 8270/3540-G DI-N-OCTYL PHTHALATE, UG/KG DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34233 METHOD: 8270/3540-G BENZO(B)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34245 METHOD: 8270/3540-G BENZO(K)FLUORANTHENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34250 METHOD: 8270/3540-G BENZO(A)PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=140 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34406 METHOD: 8270/3540-G INDENO(1,2,3-CD) PYRENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34559 METHOD: 8270/3540-G DIBEN(A,H)ANTHRACENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34524 METHOD: 8270/3540-G BENZO(GHI)PERYLENE, UG/KG-DRY GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=160 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49211

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	MB*NONE*1	34695*8270/3540-G	PHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34276*8270/3540-G	BIS(2-CHLOROETHYL) ETHER	UG/KG-	ND
05/16/94	MB*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34569*8270/3540-G	1,3-DICHLOROBENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	34539*8270/3540-G	1,2-DICHLOROBENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	75212*8270/3540-G	BENZYL ALCOHOL	UG/KG-	ND
05/16/94	MB*NONE*1	78872*8270/3540-G	2-METHYLPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	78803*8270/3540-G	4-METHYLPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34286*8270/3540-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/KG-	ND
05/16/94	MB*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	UG/KG-	ND
05/16/94	MB*NONE*1	34399*8270/3540-G	HEXACHLOROETHANE	UG/KG-	ND
05/16/94	MB*NONE*1	34450*8270/3540-G	NITROBENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	34411*8270/3540-G	ISOPHORONE	UG/KG-	ND
05/16/94	MB*NONE*1	34594*8270/3540-G	2-NITROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34609*8270/3540-G	2,4-DIMETHYLPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	75315*8270/3540-G	BENZOIC ACID	UG/KG-	ND
05/16/94	MB*NONE*1	34281*8270/3540-G	BIS(2-CHLOROETHOXY) METHANE	UG/KG-	ND
05/16/94	MB*NONE*1	34604*8270/3540-G	2,4-DICHLOROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	34445*8270/3540-G	NAPHTHALENE	UG/KG-	ND
05/16/94	MB*NONE*1	78867*8270/3540-G	4-CHLOROANILINE	UG/KG-	ND
05/16/94	MB*NONE*1	39705*8270/3540-G	HEXACHLOROBUTADIENE	UG/KG-	ND
05/16/94	MB*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	78868*8270/3540-G	2-METHYLNAPHTHALENE	UG/KG-	ND
05/16/94	MB*NONE*1	34389*8270/3540-G	HEXACHLOROCYCLOPENTADIENE	UG/KG-	ND
05/16/94	MB*NONE*1	34624*8270/3540-G	2,4,6-TRICH'PHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	98587*8270/3540-G	2,4,5-TRICH'PHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34584*8270/3540-G	2-CHLORONAPHTHALENE	UG/KG-	ND
05/16/94	MB*NONE*1	98588*8270/3540-G	2-NITROANILINE	UG/KG-	ND
05/16/94	MB*NONE*1	34344*8270/3540-G	DIMETHYL PHTHALATE	UG/KG-	ND
05/16/94	MB*NONE*1	34203*8270/3540-G	ACENAPHTHYLENE	UG/KG-	ND
05/16/94	MB*NONE*1	34629*8270/3540-G	2,6-DINITROTOLUENE	UG/KG-	ND
05/16/94	MB*NONE*1	78869*8270/3540-G	3-NITROANILINE	UG/KG-	ND
05/16/94	MB*NONE*1	34208*8270/3540-G	ACENAPHTHENE	UG/KG-	ND
05/16/94	MB*NONE*1	34619*8270/3540-G	2,4-DINITROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34649*8270/3540-G	4-NITROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	75647*8270/3540-G	DIBENZOFURAN	UG/KG-	ND
05/16/94	MB*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	UG/KG-	ND
05/16/94	MB*NONE*1	34339*8270/3540-G	DIETHYL PHTHALATE	UG/KG-	ND
05/16/94	MB*NONE*1	34644*8270/3540-G	4-CHLOROPHENYLPHENYL ETHER	UG/KG-	ND
05/16/94	MB*NONE*1	34384*8270/3540-G	FLUORENE	UG/KG-	ND
05/16/94	MB*NONE*1	78870*8270/3540-G	4-NITROANILINE	UG/KG-	ND
05/16/94	MB*NONE*1	34436*8270/3540-G	N-NITROSODIPHE'AMINE	UG/KG-	ND
05/16/94	MB*NONE*1	34660*8270/3540-G	2-METHYL-4,6-DINITROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34639*8270/3540-G	4-BROMOPHENYL PHENYL ETHER	UG/KG-	ND
05/16/94	MB*NONE*1	39701*8270/3540-G	HEXACHLOROBENZENE	UG/KG-	ND
05/16/94	MB*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	UG/KG-	ND
05/16/94	MB*NONE*1	34464*8270/3540-G	PHENANTHRENE	UG/KG-	ND
05/16/94	MB*NONE*1	34223*8270/3540-G	ANTHRACENE	UG/KG-	ND
05/16/94	MB*NONE*1	39112*8270/3540-G	DI-N-BUTYL PHTHALATE	UG/KG-	ND
05/16/94	MB*NONE*1	34379*8270/3540-G	FLUORANTHENE	UG/KG-	ND
05/16/94	MB*NONE*1	34472*8270/3540-G	PYRENE	UG/KG-	ND
05/16/94	MB*NONE*1	34295*8270/3540-G	BUTYLBENZYLPHTHALATE	UG/KG-	ND
05/16/94	MB*NONE*1	34634*8270/3540-G	3,3-DICHL'BENZIDINE	UG/KG-	ND
05/16/94	MB*NONE*1	34529*8270/3540-G	BENZO(A)ANTHRACENE	UG/KG-	ND
05/16/94	MB*NONE*1	34323*8270/3540-G	CHRYSENE	UG/KG-	ND
05/16/94	MB*NONE*1	39102*8270/3540-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/KG-	ND
05/16/94	MB*NONE*1	34599*8270/3540-G	DI-N-OCTYL PHTHALATE	UG/KG-	ND
05/16/94	MB*NONE*1	34233*8270/3540-G	BENZO(B)FLUORANTHENE	UG/KG-	ND
05/16/94	MB*NONE*1	34245*8270/3540-G	BENZO(K)FLUORANTHENE	UG/KG-	ND
05/16/94	MB*NONE*1	34250*8270/3540-G	BENZO(A)PYRENE	UG/KG-	ND
05/16/94	MB*NONE*1	34406*8270/3540-G	INDENO(1,2,3-CD) PYRENE	UG/KG-	ND
05/16/94	MB*NONE*1	34559*8270/3540-G	DIBEN(A,H)ANTH'CENE	UG/KG-	ND
05/16/94	MB*NONE*1	34524*8270/3540-G	BENZO(GHI)PERYLENE	UG/KG-	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SP1*NONE*1	34695*8270/3540-G	PHENOL	116	26-90	UG/KG-	6700	7800
05/16/94	SP1*NONE*1	34589*8270/3540-G	2-CHLOROPHENOL	122	25-102	UG/KG-	6700	8200
05/16/94	SP1*NONE*1	34574*8270/3540-G	1,4-DICHLOROBENZENE	97	28-104	UG/KG-	3300	3200
05/16/94	SP1*NONE*1	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	97	41-126	UG/KG-	3300	3200

ESE BATCH : G49211

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SP1*NONE*1	34554*8270/3540-G	1,2,4-TRICH'BENZENE	100	38-107	UG/KG-	3300	3300
05/16/94	SP1*NONE*1	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	104	26-103	UG/KG-	6700	7000
05/16/94	SP1*NONE*1	34208*8270/3540-G	ACENAPHTHENE	103	31-137	UG/KG-	3300	3400
05/16/94	SP1*NONE*1	34649*8270/3540-G	4-NITROPHENOL	103	11-114	UG/KG-	6700	6900
05/16/94	SP1*NONE*1	34614*8270/3540-G	2,4-DINITROTOLUENE	100	28-89	UG/KG-	3300	3300
05/16/94	SP1*NONE*1	39061*8270/3540-G	PENTACHLOROPHENOL	134	17-109	UG/KG-	6700	9000
05/16/94	SP1*NONE*1	34472*8270/3540-G	PYRENE	97	35-142	UG/KG-	3300	3200

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/16/94	SPM1*CDMHNSS*37	34695*8270/3540-G	PHENOL	106	26-90	0.0	UG/KG-	7000	7400
05/16/94	SPM1*CDMHNSS*37	34589*8270/3540-G	2-CHLOROPHENOL	111	25-102	0.0	UG/KG-	7000	7800
05/16/94	SPM1*CDMHNSS*37	34574*8270/3540-G	1,4-DICHLOROBENZENE	97	28-104	0.0	UG/KG-	3500	3400
05/16/94	SPM1*CDMHNSS*37	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	86	41-126	0.0	UG/KG-	3500	3000
05/16/94	SPM1*CDMHNSS*37	34554*8270/3540-G	1,2,4-TRICH'BENZENE	100	38-107	0.0	UG/KG-	3500	3500
05/16/94	SPM1*CDMHNSS*37	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	121	26-103	0.0	UG/KG-	7000	8500
05/16/94	SPM1*CDMHNSS*37	34208*8270/3540-G	ACENAPHTHENE	103	31-137	0.0	UG/KG-	3500	3600
05/16/94	SPM1*CDMHNSS*37	34649*8270/3540-G	4-NITROPHENOL	111	11-114	0.0	UG/KG-	7000	7800
05/16/94	SPM1*CDMHNSS*37	34614*8270/3540-G	2,4-DINITROTOLUENE	103	28-89	0.0	UG/KG-	3500	3600
05/16/94	SPM1*CDMHNSS*37	39061*8270/3540-G	PENTACHLOROPHENOL	157	17-109	0.0	UG/KG-	7000	11000
05/16/94	SPM1*CDMHNSS*37	34472*8270/3540-G	PYRENE	100	35-142	0.0	UG/KG-	3500	3500
05/16/94	SPM2*CDMHNSS*37	34695*8270/3540-G	PHENOL	110	26-90	0.0	UG/KG-	7000	7700
05/16/94	SPM2*CDMHNSS*37	34589*8270/3540-G	2-CHLOROPHENOL	114	25-102	0.0	UG/KG-	7000	8000
05/16/94	SPM2*CDMHNSS*37	34574*8270/3540-G	1,4-DICHLOROBENZENE	97	28-104	0.0	UG/KG-	3500	3400
05/16/94	SPM2*CDMHNSS*37	34431*8270/3540-G	N-NITROSODI-N-PROPYLAMINE	89	41-126	0.0	UG/KG-	3500	3100
05/16/94	SPM2*CDMHNSS*37	34554*8270/3540-G	1,2,4-TRICH'BENZENE	100	38-107	0.0	UG/KG-	3500	3500
05/16/94	SPM2*CDMHNSS*37	34455*8270/3540-G	4-CHLORO-3-METHYL PHENOL	129	26-103	0.0	UG/KG-	7000	9000
05/16/94	SPM2*CDMHNSS*37	34208*8270/3540-G	ACENAPHTHENE	103	31-137	0.0	UG/KG-	3500	3600
05/16/94	SPM2*CDMHNSS*37	34649*8270/3540-G	4-NITROPHENOL	116	11-114	0.0	UG/KG-	7000	8100
05/16/94	SPM2*CDMHNSS*37	34614*8270/3540-G	2,4-DINITROTOLUENE	109	28-89	0.0	UG/KG-	3500	3800
05/16/94	SPM2*CDMHNSS*37	39061*8270/3540-G	PENTACHLOROPHENOL	157	17-109	0.0	UG/KG-	7000	11000
05/16/94	SPM2*CDMHNSS*37	34472*8270/3540-G	PYRENE	103	35-142	0.0	UG/KG-	3500	3600

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	MB*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	8300	120	25-121
05/16/94	MB*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7280	109	24-113
05/16/94	MB*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3100	94	23-120
05/16/94	MB*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3200	97	30-115
05/16/94	MB*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7420	111	19-122
05/16/94	MB*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3840	115	18-137
05/16/94	DA*CDMHNSS*37	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7200	110	25-121
05/16/94	DA*CDMHNSS*37	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6650	99.7	24-113
05/16/94	DA*CDMHNSS*37	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	2900	88	23-120
05/16/94	DA*CDMHNSS*37	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3100	94	30-115
05/16/94	DA*CDMHNSS*37	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	8210	123	19-122
05/16/94	DA*CDMHNSS*37	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3280	98.5	18-137
05/16/94	SPM1*CDMHNSS*37	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7600	110	25-121
05/16/94	SPM1*CDMHNSS*37	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6710	101	24-113
05/16/94	SPM1*CDMHNSS*37	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3200	97	23-120
05/16/94	SPM1*CDMHNSS*37	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3200	97	30-115
05/16/94	SPM1*CDMHNSS*37	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	9390	141	19-122
05/16/94	SPM1*CDMHNSS*37	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3480	105	18-137
05/16/94	SPM2*CDMHNSS*37	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7200	110	25-121
05/16/94	SPM2*CDMHNSS*37	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7090	106	24-113
05/16/94	SPM2*CDMHNSS*37	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3200	97	23-120
05/16/94	SPM2*CDMHNSS*37	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3200	97	30-115
05/16/94	SPM2*CDMHNSS*37	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	9620	144	19-122
05/16/94	SPM2*CDMHNSS*37	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3560	107	18-137
05/16/94	SP1*NONE*1	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7700	110	25-121
05/16/94	SP1*NONE*1	98326*SUR	PHENOL-D(5)	UG/KG-	6670	7300	109	24-113
05/16/94	SP1*NONE*1	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3200	97	23-120
05/16/94	SP1*NONE*1	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3200	97	30-115
05/16/94	SP1*NONE*1	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	9070	136	19-122
05/16/94	SP1*NONE*1	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3310	99.4	18-137
05/16/94	DA*CDMHNSS*38	98325*SUR	2-FLUOROPHENOL	UG/KG-	6700	7600	110	25-121
05/16/94	DA*CDMHNSS*38	98326*SUR	PHENOL-D(5)	UG/KG-	6670	6770	101	24-113
05/16/94	DA*CDMHNSS*38	98327*SUR	NITROBENZENE-D(5)	UG/KG-	3300	3000	91	23-120
05/16/94	DA*CDMHNSS*38	98330*SUR	2-FLUOROBIPHENYL	UG/KG-	3300	3100	94	30-115
05/16/94	DA*CDMHNSS*38	97448*SUR	2,4,6-TRIBROMOPHENOL	UG/KG	6670	7540	113	19-122
05/16/94	DA*CDMHNSS*38	97449*SUR	TERPHENYL-D(14)	UG/KG	3330	3170	95.2	18-137

ESE BATCH : G49211

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49211 Analysis Date: 05/16/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			24DINITOL
			PENTCLPHE
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			24DINITOL
			PENTCLPHE
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	PHENOL
			2CHLOROPH
			4CL3MEHPH
			4NITROPHE
			24DINITOL
			PENTCLPHE
Surrogate present?	X		
Surrogate within acceptance criteria?		X	98325*SUR
			98326*SUR
			98327*SUR
			98330*SUR
			97448*SUR
			97449*SUR

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB: STANDARD MATRIX SPIKE, SAMPLE MATRIX SPIKE AND SAMPLE MATRIX SPIKE DUP NOT WITHIN ACCEPTANCE CRITERIA.
EXPL: FOR PHENOL, THE SPI, SPMI AND SPM2 RECOVERIES WERE 116.4%, 105.7% AND 110.0% WITH AN UPPER

LIMIT OF 90%. FOR 2-CHLOROPHENOL, THE SP1, SPM1 AND SPM2 RECOVERIES WERE 127.4% 111.4% AND 114.3% WITH AN UPPER LIMIT OF 102%. FOR 4-CHLORO-3-METHYL PHENOL THE SP1,SPM1 AND SPM2 RECOVERIES WERE 104.5%, 121.4% AND 128.6% WITH AN UPPER LIMIT OF 103%. FOR 4-NITROPHENOL, THE SPM2 RECOVERY WAS 115.7% WITH AN UPPER LIMIT OF 114%. FOR 2,4-DINITROTOLUENE THE SP1, SPM1 AND APM2 RECOVERIES WERE 100%, 102.9% AND 108.6% WITH AN UPPER LIMIT OF 89%. THESE RECOVERIES ARE WITHIN THE RANGE OF HISTORIC DATA. FOR PENTACHLOROPHENOL THE SP1, SPM1 AND SPM2 RECOVERIES WERE 134.3%, 157.1% AND 157.1% WITH AN UPPER LIMIT OF 109%. THESE RECOVERIES ARE SOMEWHAT HIGH AND MAY BE DUE TO A LOW RF IN THE CONTINUING CALIBRATION STANDARD.

PROB: SURROGATE NOT WITHIN ACCEPTANCE CRITERIA.

EXPL: 2-FLUOROPHENOL RECOVERY WAS HIGH FOR THE MB. 2,4,6-TRIBOMOPHENOL RECOVERY WAS HIGH FOR CDMHNSS*37, SPM1, SPM2 AND SP. CLP CRITERIA ALLOW CRITERIA ALLOW FOR THE FAILURE OF ONE ACID AND ONE BASE SURROGATE. / WSK 05-17-94

ESE BATCH : G49211

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

Organochlorine Pesticides & PCBs

ESE BATCH : G48370
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOI

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

REPORT DATE/TIME : 05/20/94 07:33:32
ANALYSIS DATE : 04/22/94
EXTRACT DATE : 04/21/94

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*1	WA20-1-04	04/23/94	08:12AM
CDMHNSS*2	WA20-2-06	04/23/94	08:53AM
CDMHNSS*3	WA19-1-08	04/23/94	09:33AM
CDMHNSS*4	WA19-2-07	04/23/94	10:14AM

ESE BATCH : G48370

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: 04/20/94 LARGEST RESP=1891450 %RSD=5.5392 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	16683	86954	167479	435494	937791	1891450
CONC':	0.001	0.005	0.020	0.037	0.099	0.201	0.400
R.T.:		11.233	11.225	11.222	11.215	11.207	11.202

CONC = 1.3108E-03+ 2.1608E-07*RESP- 2.8777E-15*RESP**2+ *RESP**3
95% C.I.= 1.9336E-03 7.5174E-09 3.9541E-15
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=297602 %RSD=11.4940 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3542	15719	27818	66053	134389	297602
CONC':	-.656	0.773	5.64	10.4	25.1	49.7	100
R.T.:		14.001	14.001	14.001	14.000	13.997	13.995

CONC = -6.5581E-01+ 4.0430E-04*RESP+ -2.2139E-10*RESP**2+ *RESP**3
95% C.I.= 6.2012E-01 1.5601E-05 5.1448E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=323199 %RSD=10.0960 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3718	17093	29859	72244	147892	323199
CONC':	-.533	0.823	5.66	10.2	25.0	49.8	100
R.T.:		15.622	15.621	15.621	15.620	15.617	15.616

CONC = -5.3273E-01+ 3.6515E-04*RESP+ -1.6704E-10*RESP**2+ *RESP**3
95% C.I.= 5.1909E-01 1.1998E-05 3.6493E-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: 04/22/94 LARGEST RESP=222932 %RSD=9.0685 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2592	12930	22240	53924	106945	222932
CONC':	-.536	0.721	5.72	10.2	25.2	49.8	100
R.T.:		17.457	17.454	17.453	17.451	17.445	17.443

CONC = -5.3635E-01+ 4.8566E-04*RESP+ -1.5423E-10*RESP**2+ *RESP**3
95% C.I.= 5.9908E-01 1.9490E-05 8.6181E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=550236 %RSD=11.3314 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6462	28549	50479	119115	252124	550236
CONC':	-.465	0.930	5.66	10.3	24.4	50.2	100.0
R.T.:		16.936	16.936	16.936	16 935	16 934	16.933

CONC = -4.6456E-01+ 2.1625E-04*RESP+ -6.1229E-11*RESP**2- *RESP**3
95% C.I.= 5.9452E-01 8.1360E-06 1.4540E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=198074 %RSD=5.0889 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2190	11036	19640	50962	101285	198074

ESE BATCH : G48370

CONC':	-.007	1.06	5.36	9.59	25.0	50.1	100.0
R.T.:		15.952	15.948	15.947	15.944	15.937	15.934

CONC = -6.6624E-03+ 4.8458E-04*RESP+ 1.0192E-10*RESP**2+ *RESP**3
95% C.I.= 3.3554E-01 1.2121E-05 6.0820E-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: 04/22/94 LARGEST RESP=624902 %RSD=16.2647 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4947	22266	40309	108081	248550	624902
CONC':	0.254	1.40	5.36	9.41	24.0	50.7	99.9
R.T.:		18.286	18.287	18.289	18.288	18.288	18.289

CONC = 2.5428E-01+ 2.3174E-04*RESP+ -1.1562E-10*RESP**2+ *RESP**3
95% C.I.= 8.2493E-01 1.0990E-05 1.7247E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=529412 %RSD=10.5351 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5370	23854	42085	106390	228663	529412
CONC':	-.242	1.07	5.53	9.86	24.6	50.2	100.0
R.T.:		20.605	20.605	20.605	20.605	20.604	20.604

CONC = -2.4178E-01+ 2.4449E-04*RESP+ -1.0425E-10*RESP**2+ *RESP**3
95% C.I.= 4.2347E-01 6.2477E-06 1.1587E-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: 04/22/94 LARGEST RESP=433050 %RSD=11.1055 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4741	21410	37239	90251	185772	433050
CONC':	-.647	0.771	5.70	10.3	25.1	49.7	100
R.T.:		22.041	22.040	22.039	22.041	22.038	22.040

CONC = -6.4656E-01+ 2.9977E-04*RESP+ -1.5527E-10*RESP**2+ *RESP**3
95% C.I.= 6.1196E-01 1.0888E-05 2.4610E-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: 04/22/94 LARGEST RESP=437088 %RSD=10.8945 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3529	20082	33920	82740	189641	437088
CONC':	-.032	1.02	5.89	9.90	23.5	50.8	99.9
R.T.:		22.999	22.997	22.994	22.999	22.986	22.988

CONC = -3.1844E-02+ 2.9807E-04*RESP+ -1.5884E-10*RESP**2+ *RESP**3
95% C.I.= 1.0422E+00 1.8873E-05 4.2449E-11
CORRELATION COEFFICIENT = .9998

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 04/23/94 LARGEST RESP=505484 %RSD=10.1585 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4041	21032	38470	101544	225167	505484
CONC':	0.229	1.22	5.34	9.52	24.1	50.6	99.9
R.T.:		22.999	22.997	22.994	22.999	22.986	22.988

CONC = 2.2873E-01+ 2.4521E-04*RESP+ -9.4968E-11*RESP**2+ *RESP**3
95% C.I.= 6.8903E-01 1.0641E-05 2.0775E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=518512 %RSD=13.5641 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4178	20124	35185	95820	210354	518512
CONC':	0.065	1.19	5.45	9.40	24.6	50.3	100.0

ESE BATCH : G48370

R.T.:	23.268	23.268	23.268	23.269	23.269	23.269

CONC = 6.4784E-02+ 2.7053E-04*RESP+ -1.5018E-10*RESP**2+ *RESP**3
95% C.I.= 5.0895E-01 7.9917E-06 1.5115E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=289621 %RSD=23.7065 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4103	13347	23391	57214	140599	289621
CONC':	-.140	1.61	5.53	9.73	23.4	50.9	99.9
R.T.:		24.255	24.252	24.254	24.256	24.253	24.249

CONC = -1.4036E-01+ 4.2880E-04*RESP+ -2.8828E-10*RESP**2+ *RESP**3
95% C.I.= 1.1270E+00 3.0260E-05 1.0284E-10
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=210375 %RSD=18.9851 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2944	11061	18650	46034	99252	210375
CONC':	-.297	1.30	5.69	9.75	24.1	50.6	99.9
R.T.:		24.507	24.499	24.500	24.504	24.490	24.486

CONC = -2.9664E-01+ 5.4452E-04*RESP+ -3.2395E-10*RESP**2+ *RESP**3
95% C.I.= 7.7528E-01 2.7657E-05 1.2962E-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: 04/22/94 LARGEST RESP=253684 %RSD=16.4340 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3691	16483	27070	67262	125942	253684
CONC':	-.700	0.755	5.80	9.98	25.9	49.1	100
R.T.:		24.668	24.665	24.665	24.667	24.663	24.657

CONC = -6.9951E-01+ 3.9411E-04*RESP+ 1.3437E-11*RESP**2+ *RESP**3
95% C.I.= 9.5506E-01 2.6467E-05 1.0293E-10
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=306252 %RSD=10.9618 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2656	13822	23232	57318	132596	306252
CONC':	0.016	1.15	5.86	9.77	23.4	50.9	99.9
R.T.:		25.174	25.169	25.169	25.172	25.167	25.162

CONC = 1.6470E-02+ 4.2750E-04*RESP+ -3.3106E-10*RESP**2+ *RESP**3
95% C.I.= 1.1136E+00 2.8904E-05 9.2803E-11
CORRELATION COEFFICIENT = .9997

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=341875 %RSD=13.2006 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2578	13314	24983	64680	155946	341875
CONC':	0.642	1.56	5.34	9.41	22.8	51.4	99.8
R.T.:		25.174	25.169	25.169	25.172	25.167	25.162

CONC = 6.4207E-01+ 3.5560E-04*RESP+ -1.9192E-10*RESP**2+ *RESP**3
95% C.I.= 1.5333E+00 3.5474E-05 1.0279E-10
CORRELATION COEFFICIENT = .9995

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=299427 %RSD=9.9925 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3153	18100	28602	73710	138203	299427
CONC':	-.739	0.449	6.04	9.94	26.3	48.8	100
R.T.:		25.432	25.428	25.429	25.431	25.426	25.420

ESE BATCH : G48370

CONC = -7.3883E-01+ 3.7705E-04*RESP+ -1.3376E-10*RESP**2+ *RESP**3
95% C.I.= 1.2995E+00 3.1496E-05 1.0336E-10
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=350112 %RSD=7.6338 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3577	16966	31935	74084	162212	350112
CONC':	-.631	0.665	5.46	10.7	25.1	49.6	100
R.T.:		25.712	25.706	25.708	25.712	25.707	25.703

CONC = -6.3069E-01+ 3.6292E-04*RESP+ -2.1515E-10*RESP**2+ *RESP**3
95% C.I.= 6.7426E-01 1.4707E-05 4.1152E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/22/94 LARGEST RESP=114339 %RSD=9.3595 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1023	6185	10145	24143	56498	114339
CONC':	0 228	1.19	6.03	9.72	22.6	51.5	99.7
R.T.:		27.165	27.157	27.157	27.163	27.153	27.148

CONC = 2.2819E-01+ 9.4239E-04*RESP+ -6.2962E-10*RESP**2+ *RESP**3
95% C.I.= 1.6936E+00 1.1180E-04 9.6976E-10
CORRELATION COEFFICIENT = .9994

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 04/22/94 LARGEST RESP=1609913 %RSD=13.0309 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	21758	101541	158701	440071	867584	1609913
CONC':	0.0006	0.005	0.023	0.035	0.099	0.202	0.400
R.T.:		31.063	31.056	31.059	31.062	31.054	31.048

CONC = 6.4508E-04+ 2.1379E-07*RESP+ 2.1109E-14*RESP**2+ *RESP**3
95% C.I.= 3.5535E-03 1.5568E-08 9.6489E-15
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=20 DATE: 04/23/94 LARGEST RESP=1283987 %RSD=6.8928 RT WINDOW:

CONC :	0	20	50	100	200	500	1000	2000
RESP :	0	11532	36013	67825	127742	342375	668052	1283987
CONC':	3 30	19.8	54.8	101	187	504	1000	2000

CONC = 3.2983E+00+ 1.4273E-03*RESP+ 9.9227E-11*RESP**2+ *RESP**3
95% C.I.= 6.5745E+00 3.9544E-05 3.1129E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=20 DATE: 04/23/94 LARGEST RESP=1945727 %RSD=7.9936 RT WINDOW:

CONC :	0	20	50	100	200	500	1000	2000
RESP :	0	22531	57791	111736	205737	510437	933834	1945727
CONC':	-12.5	11.7	49.4	107	207	530	973	2000

CONC = -1.2495E+01+ 1.0724E-03*RESP+ -1.8482E-11*RESP**2+ *RESP**3
95% C.I.= 2.0519E+01 8.1089E-05 4.1652E-11
CORRELATION COEFFICIENT = .9997

ESE BATCH : G48370

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/22/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/22/94 LARGEST RESP=300941 %RSD= RT WINDOW:
CONC : 500
RESP : 300941
CONC':
R.F.: 601.882
R.P.D.: .00

CONC = + *RESP+ *RESP**2+ *RESP**3
95% C.I.=
CORRELATION COEFFICIENT =
AVG RESPONSE FACTOR = 601.9
STANDARD DEVIATION = 0.0

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/22/94 LARGEST RESP=676720 %RSD= RT WINDOW:
CONC : 500
RESP : 676720
CONC':
R.F.: 1353.44
R.P.D.: .00

CONC = + *RESP+ *RESP**2+ *RESP**3
95% C.I.=
CORRELATION COEFFICIENT =
AVG RESPONSE FACTOR = 1353.4
STANDARD DEVIATION = 0.0

ESE BATCH G48370

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/23/94	CCS*IND6*1	39076*8080/3540-G	BHC,A	UG/KG-	298000	289000	97.0	80-120
04/23/94	CCS*IND6*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	323000	315000	97.5	80-120
04/23/94	CCS*IND6*1	34262*8080/3540-G	BHC,D	UG/KG-	223000	209000	93.7	80-120
04/23/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	550000	498000	90.5	80-120
04/23/94	CCS*IND6*1	34257*8080/3540-G	BHC,B	UG/KG-	198000	193000	97.5	80-120
04/23/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	625000	504000	80.6	80-120
04/23/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	529000	423000	80.0	80-120
04/23/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	433000	352000	81.3	80-120
04/23/94	CCS*IND6*1	39321*8080/3540-G	DDE,PP'	UG/KG-	437000	356000	81.5	80-120
04/23/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	519000	504000	97.1	80-120
04/23/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	290000	311000	107	80-120
04/23/94	CCS*IND6*1	39311*8080/3540-G	DDD,PP'	UG/KG-	210000	237000	113	80-120
04/23/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	254000	267000	105	80-120
04/23/94	CCS*IND6*1	39301*8080/3540-G	DDT,PP'	UG/KG-	306000	307000	100	80-120
04/23/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	299000	324000	108	80-120
04/23/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	350000	320000	91.4	80-120
04/23/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	114000	120000	105	80-120
04/23/94	CCS*IND6*1	39351*8080/3540-G	CHLORDANE	UG/KG-		ND		80-120
04/23/94	CCS*IND6*1	39403*8080/3540-G	TOXAPHENE	UG/KG-		ND		80-120
04/23/94	CCS*IND6*1	39514*8080/3540-G	PCB-1016	UG/KG-		ND		80-120
04/23/94	CCS*IND6*1	39511*8080/3540-G	PCB-1260	UG/KG-		ND		80-120
04/23/94	CCS*IND6*1	39491*8080/3540-G	PCB-1221	UG/KG-		ND		80-120
04/23/94	CCS*IND6*1	39495*8080/3540-G	PCB-1232	UG/KG-		ND		80-120
04/23/94	CCS*IND6*1	39499*8080/3540-G	PCB-1242	UG/KG-		ND		80-120
04/23/94	CCS*IND6*1	39503*8080/3540-G	PCB-1248	UG/KG-		ND		80-120
04/23/94	CCS*IND6*1	39507*8080/3540-G	PCB-1254	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39076*8080/3540-G	BHC,A	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	34262*8080/3540-G	BHC,D	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39413*8080/3540-G	HEPTACHLOR	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	34257*8080/3540-G	BHC,B	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39333*8080/3540-G	ALDRIN	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39321*8080/3540-G	DDE,PP'	UG/KG-	505000	438000	86.7	80-120
04/24/94	CCS*IND6*2	39383*8080/3540-G	DIELDRIN	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39393*8080/3540-G	ENDRIN	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39311*8080/3540-G	DDD,PP'	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39301*8080/3540-G	DDT,PP'	UG/KG-	342000	326000	95.3	80-120
04/24/94	CCS*IND6*2	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39481*8080/3540-G	METHOXYCHLOR	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39351*8080/3540-G	CHLORDANE	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39403*8080/3540-G	TOXAPHENE	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39514*8080/3540-G	PCB-1016	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39511*8080/3540-G	PCB-1260	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39491*8080/3540-G	PCB-1221	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39495*8080/3540-G	PCB-1232	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39499*8080/3540-G	PCB-1242	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39503*8080/3540-G	PCB-1248	UG/KG-		ND		80-120
04/24/94	CCS*IND6*2	39507*8080/3540-G	PCB-1254	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39076*8080/3540-G	BHC,A	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	34262*8080/3540-G	BHC,D	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39413*8080/3540-G	HEPTACHLOR	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	34257*8080/3540-G	BHC,B	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39333*8080/3540-G	ALDRIN	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39321*8080/3540-G	DDE,PP'	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39383*8080/3540-G	DIELDRIN	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39393*8080/3540-G	ENDRIN	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39311*8080/3540-G	DDD,PP'	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39301*8080/3540-G	DDT,PP'	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39481*8080/3540-G	METHOXYCHLOR	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39351*8080/3540-G	CHLORDANE	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39403*8080/3540-G	TOXAPHENE	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39514*8080/3540-G	PCB-1016	UG/KG-	668000	642000	96.1	80-120
04/24/94	CCS*PCB-1000*3	39511*8080/3540-G	PCB-1260	UG/KG-	934000	853000	91.3	80-120

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Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/24/94	CCS*PCB-1000*3	39491*8080/3540-G	PCB-1221	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39495*8080/3540-G	PCB-1232	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39499*8080/3540-G	PCB-1242	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39503*8080/3540-G	PCB-1248	UG/KG-		ND		80-120
04/24/94	CCS*PCB-1000*3	39507*8080/3540-G	PCB-1254	UG/KG-		ND		80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/23/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
04/23/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
04/23/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
04/23/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
04/23/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
04/23/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
04/23/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
04/23/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
04/23/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
04/23/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
04/23/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
04/23/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
04/23/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
04/23/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
04/23/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
04/23/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
04/23/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
04/23/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
04/23/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
04/23/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
04/23/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
04/23/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
04/23/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
04/23/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
04/23/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
04/23/94	MB*QC*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
04/23/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	91.6	45-129	UG/KG-	33.3	30.5
04/23/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	91.3	30-148	UG/KG-	33.3	30.4
04/23/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	97.0	53-133	UG/KG-	33.3	32.3
04/23/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	92.2	46-140	UG/KG-	66.7	61.5
04/23/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	96.7	52-126	UG/KG-	66.7	64.5
04/23/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	95.1	37-155	UG/KG-	66.7	63.4
04/23/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
04/23/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
04/23/94	SP1*QC*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
04/23/94	SPM1*CDMHNSS*3	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39783*8080/3540-G	BHC,G(LINDANE	89.4	45-129	0.0	UG/KG-	35.0	31.3
04/23/94	SPM1*CDMHNSS*3	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39413*8080/3540-G	HEPTACHLOR	90.0	30-148	0.0	UG/KG-	35.0	31.5

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Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/23/94	SPM1*CDMHNSS*3	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39333*8080/3540-G	ALDRIN	90.6	53-133	0.178	UG/KG-	35.0	31.7
04/23/94	SPM1*CDMHNSS*3	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39383*8080/3540-G	DIELDRIN	89.0	46-140	0.045	UG/KG-	70.0	62.3
04/23/94	SPM1*CDMHNSS*3	39393*8080/3540-G	ENDRIN	96.4	52-126	0.0	UG/KG-	70.0	67.5
04/23/94	SPM1*CDMHNSS*3	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39301*8080/3540-G	DDT,PP'	94.0	37-155	0.012	UG/KG-	70.0	65.8
04/23/94	SPM1*CDMHNSS*3	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
04/23/94	SPM1*CDMHNSS*3	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39783*8080/3540-G	BHC,G(LINDANE)	87.4	45-129	0.0	UG/KG-	35.0	30.6
04/23/94	SPM2*CDMHNSS*3	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39413*8080/3540-G	HEPTACHLOR	86.6	30-148	0.0	UG/KG-	35.0	30.3
04/23/94	SPM2*CDMHNSS*3	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39333*8080/3540-G	ALDRIN	88.6	53-133	0.178	UG/KG-	35.0	31.0
04/23/94	SPM2*CDMHNSS*3	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39383*8080/3540-G	DIELDRIN	85.9	46-140	0.045	UG/KG-	70.0	60.1
04/23/94	SPM2*CDMHNSS*3	39393*8080/3540-G	ENDRIN	93.1	52-126	0.0	UG/KG-	70.0	65.2
04/23/94	SPM2*CDMHNSS*3	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39301*8080/3540-G	DDT,PP'	88.7	37-155	0.012	UG/KG-	70.0	62.1
04/23/94	SPM2*CDMHNSS*3	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
04/23/94	SPM2*CDMHNSS*3	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
04/23/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.064	95.5	67-119
04/23/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.061	91.0	51-169
04/23/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.065	97.0	67-119
04/23/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.063	94.0	51-169
04/23/94	SPM1*CDMHNSS*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.062	92.5	67-119
04/23/94	SPM1*CDMHNSS*3	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.061	91.0	51-169
04/23/94	SPM2*CDMHNSS*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.061	91.0	67-119
04/23/94	SPM2*CDMHNSS*3	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.055	82.1	51-169
04/23/94	DA*CDMHNSS*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.067	100.0	67-119
04/23/94	DA*CDMHNSS*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.060	89.6	51-169
04/23/94	DA*CDMHNSS*2	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.069	103	67-119
04/23/94	DA*CDMHNSS*2	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.069	103	51-169
04/23/94	DA*CDMHNSS*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.064	95.5	67-119
04/23/94	DA*CDMHNSS*3	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.062	92.5	51-169
04/23/94	DA*CDMHNSS*4	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.056	83.6	67-119
04/23/94	DA*CDMHNSS*4	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.057	85.1	51-169
04/23/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1890000	1790000	94.7	67-119
04/23/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	1610000	1400000	87.0	51-169
04/24/94	CCS*IND6*2	96471*SUR	TETRACHLORO-M-XYLENE	UG/G		NA		67-119
04/24/94	CCS*IND6*2	96343*SUR	DECACHLOROBIPHENYL	UG/G		NA		51-169
04/24/94	CCS*PCB-1000*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G		NA		67-119

ESE BATCH : G48370

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/24/94	CCS*PCB-1000*3	96343*SUR	DECACHLOROBIPHENYL	UG/G		NA		51-169

ESE BATCH : G48370

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48370 Analysis Date: 04/22/94 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		
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	TCX _____
			DCBP _____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G48370

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 : G48401
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SC)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : JEANA CRENSHAW
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 05/20/94 07:35:26
ANALYSIS DATE : 04/24/94
EXTRACT DATE : 04/22/94

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*5	WA19-3-05	04/25/94	03:14PM
CDMHNSS*6	WA19-4-05	04/25/94	03:56PM

ESE BATCH : G48401

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: 04/24/94 LARGEST RESP=.925125 %RSD=6.7783 RT WINDOW:

CONC :	0	.004	.020	.040	100	.200	.400
RESP :	0	18185	85639	183235	518153	988640	1925125
CONC':	0.002	0.005	0.018	0.037	0.103	0.199	0.400
R.T.:		11.216	11.210	11.210	11.203	11.202	11.198

CONC = 1.6532E-03+ 1.9160E-07*RESP+ 7.9870E-15*RESP**2+ *RESP**3
95% C.I.= 2.9099E-03 1.0786E-08 5.5979E-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: 04/24/94 LARGEST RESP=358208 %RSD=8.4620 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3800	15786	31140	79471	160186	358208
CONC':	-.267	1.01	5.01	10.1	25.5	49.6	100
R.T.:		13.995	13.993	13.995	13.993	13.991	13.992

CONC = -2.6735E-01+ 3.3687E-04*RESP+ -1.5862E-10*RESP**2+ *RESP**3
95% C.I.= 3.8470E-01 8.1224E-06 2.2316E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=393174 %RSD=7.4991 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4011	16922	33921	88043	177588	393174
CONC':	-.149	1.06	4.92	9.95	25.5	49.7	100
R.T.:		15.615	15.615	15.616	15.615	15.614	15.613

CONC = -1.4901E-01+ 3.0179E-04*RESP+ -1.1946E-10*RESP**2+ *RESP**3
95% C.I.= 3.4628E-01 6.6449E-06 1.6658E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=272072 %RSD=5.5091 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2970	13166	26024	66563	127593	272072
CONC':	-.326	0.874	4.98	10.1	25.1	49.2	100
R.T.:		17.445	17.444	17.444	17.440	17.440	17.438

CONC = -3.2643E-01+ 4.0459E-04*RESP+ -1.3018E-10*RESP**2+ *RESP**3
95% C.I.= 7.9255E-01 2.1253E-05 7.7091E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=619622 %RSD=8.0856 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6692	27625	55447	139060	285518	619622
CONC':	-.161	1.09	4.98	10.1	25.1	49.9	100
R.T.:		16.932	16.932	16.933	16.931	16.932	16.931

CONC = -1.6093E-01+ 1.8715E-04*RESP+ -4.1131E-11*RESP**2+ *RESP**3
95% C.I.= 1.2964E-01 1.5697E-06 2.4991E-12
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: 04/24/94 LARGEST RESP=241982 %RSD=3.6788 RT WINDOW

CONC :	0	1	5	10	25	50	100
RESP :	0	2587	11831	23692	62506	118782	241982

ESE BATCH : G48401

CONC':	-.085	0.996	4.86	9.81	26.0	49.3	100
R.T.:		15.938	15.937	15.937	15.933	15.933	15.930

CONC = -8.5118E-02+ 4.1811E-04*RESP+ -1.6992E-11*RESP**2+ *RESP**3
95% C.I.= 6.8634E-01 2.0355E-05 8.3424E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=654997 %RSD=17.0993 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4777	21041	43560	122581	274076	654997
CONC':	0.522	1.50	4.79	9.29	24.4	50.6	99.9
R.T.:		18.281	18.283	18.284	18.284	18.286	18.286

CONC = 5.2240E-01+ 2.0476E-04*RESP+ -8.0915E-11*RESP**2+ *RESP**3
95% C.I.= 7.1301E-01 8.8115E-06 1.3258E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=577802 %RSD=9.4304 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5469	22952	45929	122766	256724	577802
CONC':	0.074	1.23	4.90	9.67	25.1	50.0	100.0
R.T.:		20.599	20.600	20.602	20.601	20.602	20.603

CONC = 7.3918E-02+ 2.1203E-04*RESP+ -6.7687E-11*RESP**2+ *RESP**3
95% C.I.= 2.3857E-01 3.1789E-06 5.4254E-12
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: 04/24/94 LARGEST RESP=481002 %RSD=8.1676 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4725	20018	40392	103213	212556	481002
CONC':	-.146	1.06	4.95	10.0	25.2	49.8	100
R.T.:		22.035	22.036	22.036	22.036	22.037	22.037

CONC = -1.4620E-01+ 2.5634E-04*RESP+ -9.9984E-11*RESP**2+ *RESP**3
95% C.I.= 1.9487E-01 3.1023E-06 6.3482E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=524228 %RSD=11.6748 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4106	19846	39990	111111	242585	524228
CONC':	0.519	1.43	4.89	9.27	24.4	50.6	99.9
R.T.:		22.984	22.983	22.984	22.982	22.982	22.980

CONC = 5.1905E-01+ 2.2129E-04*RESP+ -6.0511E-11*RESP**2+ *RESP**3
95% C.I.= 7.3796E-01 1.0826E-05 2.0479E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=544688 %RSD=13.9597 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4282	18886	38521	108460	234344	544688
CONC':	0.386	1.39	4.81	9.33	24.8	50.3	100.0
R.T.:		23.263	23.265	23.265	23.265	23.267	23.267

CONC = 3.8631E-01+ 2.3587E-04*RESP+ -9.7435E-11*RESP**2+ *RESP**3
95% C.I.= 5.2266E-01 7.5940E-06 1.3752E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=333070 %RSD=14.5558 RT WINDOW:

CONC :	0	1	5	10	25	50	100

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RESP :	0	3670	[illegible]	[illegible]	72011	151428	333070
CONC':	0.244	1.55	4.[illegible]	[illegible]	25.0	50.[illegible]	100.0
R.T.:		24.246	24.246	24.[illegible]	24.244	24.243	24.242

CONC = 2.4411E-01+ 3.5572E-04*RESP+ [illegible].6916E-10*RESP**2+ *RESP**3
95% C.I.= 5.4746E-01 1.2593E-05 [illegible].7330E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=253959 %RSD=[illegible]95 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3677	10794	21015	63341	123858	253959
CONC':	0.249	1.74	4.63	8.77	25.8	49.8	100
R.T.:		24.483	24.483	24.477	24.477	24.472	24.472

CONC = 2.4915E-01+ 4.0684E-04*RESP+ -5.5196E-11*RESP**2+ *RESP**3
95% C.I.= 9.5419E-01 2.7536E-05 1.0776E-10
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=303116 %RSD=44.2557 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	7154	15880	30246	79725	149512	303116
CONC':	-.581	1.82	4.74	9.55	26.1	49.3	100
R.T.:		24.656	24.656	24.651	24.653	24.651	24.651

CONC = -5.8116E-01+ 3.3514E-04*RESP+ -9.8592E-12*RESP**2+ *RESP**3
95% C.I.= 9.9024E-01 2.3228E-05 7.5657E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=343828 %RSD=23.4609 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4664	12957	26797	74765	161264	343828
CONC':	0.384	1.94	4.69	9.24	24.0	50.9	99.9
R.T.:		25.157	25.156	25.151	25.154	25.153	25.151

CONC = 3.8385E-01+ 3.3414E-04*RESP+ -1.3039E-10*RESP**2+ *RESP**3
95% C.I.= 1.0268E+00 2.2907E-05 6.6027E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=340663 %RSD=9.1726 RT WINDOW:

CONC :	0	1	5	10	25	100
RESP :	0	4259	18133	35367	88386	340663
CONC':	-.077	1.12	5.03	9.90	25.0	100.0
R.T.:		25.419	25.417	25.413	25.416	25.413

CONC = -7.7220E-02+ 2.8073E-04*RESP+ 3.8273E-11*RESP**2+ *RESP**3
95% C.I.= 1.2750E-01 3.7542E-06 1.0539E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=363326 %RSD=9.4528 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4001	15538	31575	89466	174984	363326
CONC':	0.180	1.34	4.68	9.30	25.8	49.7	100
R.T.:		25.697	25.697	25.691	25.695	25.695	25.694

CONC = 1.7981E-01+ 2.9018E-04*RESP+ -4.2224E-11*RESP**2+ *RESP**3
95% C.I.= 6.8243E-01 1.3781E-05 3.7648E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=137501 %RSD=23.5335 RT WINDOW:

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CONC :	0	1	5	10	25	50	100
RESP :	0	1311	11379	13523	35662	79637	137591
CONC':	0.579	1.31	7.07	8.32	21.9	52.4	99.4
R.T.:		27.142	27.140	27.133	27.137	27.134	27.133

CONC = 5.7943E-01+ 5.5690E-04*RESP+ 1.1732E-09*RESP**2- *RESP**3
95% C.I.= 2.7730E+00 1.4404E-04 1.0479E-09
CORRELATION COEFFICIENT = .9986

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 04/24/94 LARGEST RESP=1860169 %RSD=5.9792 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	20551	89685	181031	511475	956723	1860169
CONC':	0.0010	0.005	0.019	0.037	0.104	0.198	0.400
R.T.:		31.040	31.039	31.030	31.037	31.034	31.032

CONC = 9.8825E-04+ 1.9669E-07*RESP+ 9.6503E-15*RESP**2- *RESP**3
95% C.I.= 3.2977E-03 1.2547E-08 6.7306E-15
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 04/24/94 LARGEST RESP= %RSD= RT WINDOW

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/24/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/24/94 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: 04/24/94 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: 04/24/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/24/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/24/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/24/94 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: 04/24/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

ESE BATCH : G48401

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/25/94	CCS*IND6*1	39076*8080/3540-G	BHC,A	UG/KG-	358000	419000	117	80-120
04/25/94	CCS*IND6*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	393000	454000	116	80-120
04/25/94	CCS*IND6*1	34262*8080/3540-G	BHC,D	UG/KG-	242000	299000	124	80-120
04/25/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	620000	666000	107	80-120
04/25/94	CCS*IND6*1	34257*8080/3540-G	BHC,B	UG/KG-	272000	263000	96.7	80-120
04/25/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	655000	692000	106	80-120
04/25/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	578000	617000	107	80-120
04/25/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	481000	510000	106	80-120
04/25/94	CCS*IND6*1	39321*8080/3540-G	DDE,PP'	UG/KG-	524000	477000	91.0	80-120
04/25/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	545000	584000	107	80-120
04/25/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	333000	353000	106	80-120
04/25/94	CCS*IND6*1	39311*8080/3540-G	DDD,PP'	UG/KG-	254000	244000	96.1	80-120
04/25/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	303000	341000	113	80-120
04/25/94	CCS*IND6*1	39301*8080/3540-G	DDT,PP'	UG/KG-	344000	333000	96.8	80-120
04/25/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	341000	362000	106	80-120
04/25/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	363000	365000	101	80-120
04/25/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	138000	138000	100.0	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/25/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
04/25/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
04/25/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
04/25/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
04/25/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
04/25/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
04/25/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
04/25/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
04/25/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
04/25/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
04/25/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
04/25/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
04/25/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
04/25/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
04/25/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
04/25/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
04/25/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
04/25/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
04/25/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
04/25/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
04/25/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
04/25/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
04/25/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
04/25/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
04/25/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
04/25/94	MB*QC*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
04/25/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE	96.4	45-129	UG/KG-	33.3	32.1
04/25/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	94.9	30-148	UG/KG-	33.3	31.6
04/25/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	92.5	53-133	UG/KG-	33.3	30.8
04/25/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	97.9	46-140	UG/KG-	66.7	65.3
04/25/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	94.0	52-126	UG/KG-	66.7	62.7
04/25/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND

ESE BATCH : G48401

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/25/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	99.0	37-155	UG/KG-	66.7	66.0
04/25/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
04/25/94	SP1*QC*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
04/25/94	SPM2*CDMHNSS*5	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39783*8080/3540-G	BHC,G(LINDANE)	99.4	45-129	0.0	UG/KG-	34.4	34.2
04/25/94	SPM2*CDMHNSS*5	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39413*8080/3540-G	HEPTACHLOR	95.1	30-148	0.0	UG/KG-	34.4	32.7
04/25/94	SPM2*CDMHNSS*5	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39333*8080/3540-G	ALDRIN	89.0	53-133	0.359	UG/KG-	34.4	30.6
04/25/94	SPM2*CDMHNSS*5	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39383*8080/3540-G	DIELDRIN	97.8	46-140	0.266	UG/KG-	68.7	67.2
04/25/94	SPM2*CDMHNSS*5	39393*8080/3540-G	ENDRIN	98.8	52-126	0.168	UG/KG-	68.7	67.9
04/25/94	SPM2*CDMHNSS*5	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39301*8080/3540-G	DDT,PP'	106.8	37-155	64.6	UG/KG-	68.7	73.4
04/25/94	SPM2*CDMHNSS*5	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
04/25/94	SPM2*CDMHNSS*5	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
04/25/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.062	92.5	67-119
04/25/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.062	92.5	51-169
04/25/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.065	97.0	67-119
04/25/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.063	94.0	51-169
04/25/94	SPM2*CDMHNSS*5	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.066	98.5	67-119
04/25/94	SPM2*CDMHNSS*5	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.066	98.5	51-169
04/25/94	DA*CDMHNSS*5	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.063	94.0	67-119
04/25/94	DA*CDMHNSS*5	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.053	79.1	51-169
04/25/94	DA*CDMHNSS*6	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.062	92.5	67-119
04/25/94	DA*CDMHNSS*6	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.054	80.6	51-169
04/25/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1930000	2040000	106	67-119
04/25/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	1860000	1770000	95.2	51-169

ESE BATCH : G48401

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48401 Analysis Date: 04/24/94 Analyst: GREG AYCUB

	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		
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?			
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 PRESENT.
EXPL:LOST DURING EXTRACTION. FIRST MATRIX SPIKE OK./
GA./04-26-94.
EM./04-26-94.

ESE BATCH : G48401

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 : G48428
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOX)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : CHERYL GRANT
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 05/20/94 07:36:22
ANALYSIS DATE : 04/24/94
EXTRACT DATE : 04/23/94

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*7	WA17-1-03	04/26/94	02:01AM
CDMHNSS*8	WA16-1-02	04/26/94	03:25AM
CDMHNSS*9	WA16-2-03	04/26/94	04:48AM

ESE BATCH : G48428

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: 04/24/94 LARGEST RESP=1925125 %RSD=6.7783 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	18185	85639	183235	528153	988640	1925125
CONC':	0.002	0.005	0.018	0.037	0.103	0.199	0.400
R.T.:		11.216	11.211	11.210	11.203	11.202	11.198

CONC = 1.6532E-03+ 1.9160E-07*RESP+ 7.9870E-15*RESP**2+ *RESP**3
95% C.I.= 2.9099E-03 1.0786E-08 5.5979E-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: 04/24/94 LARGEST RESP=358208 %RSD=8.4620 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3800	15786	31140	79471	160186	358208
CONC':	-.267	1.01	5.01	10.1	25.5	49.6	100
R.T.:		13.995	13.993	13.995	13.993	13.991	13.992

CONC = -2.6735E-01+ 3.3687E-04*RESP+ -1.5862E-10*RESP**2+ *RESP**3
95% C.I.= 3.8470E-01 8.1224E-06 2.2316E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=393174 %RSD=7.4991 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4011	16922	33921	88043	177588	393174
CONC':	-.149	1.06	4.92	9.95	25.5	49.7	100
R.T.:		15.615	15.615	15.616	15.615	15.614	15.613

CONC = -1.4901E-01+ 3.0179E-04*RESP+ -1.1946E-10*RESP**2+ *RESP**3
95% C.I.= 3.4628E-01 6.6449E-06 1.6658E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=272072 %RSD=5.5091 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2970	13166	26024	66663	127593	272072
CONC':	-.326	0.874	4.98	10.1	26.1	49.2	100
R.T.:		17.445	17.444	17.444	17.440	17.440	17.438

CONC = -3.2643E-01+ 4.0459E-04*RESP+ -1.3018E-10*RESP**2+ *RESP**3
95% C.I.= 7.9255E-01 2.1253E-05 7.7091E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=619622 %RSD=8.0858 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6692	27625	55447	139060	285518	619622
CONC':	-.161	1.09	4.98	10.1	25.1	49.9	100
R.T.:		16.932	16.932	16.933	16.931	16.932	16.931

CONC = -1.6093E-01+ 1.8715E-04*RESP+ -4.1131E-11*RESP**2+ *RESP**3
95% C.I.= 1.2964E-01 1.5697E-06 2.4991E-12
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: 04/24/94 LARGEST RESP=241982 %RSD=3.6788 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2587	11831	23692	62506	118782	241982

ESE BATCH : G48428

CONC':	-.085	0.996	4.86	9.81	26.0	49.3	100
R.T.:		15.938	15.937	15.937	15.933	15.933	15.930

CONC = -8.5118E-02+ 4.1811E-04*RESP+ -1.6992E-11*RESP**2+ *RESP**3
95% C.I.= 6.8634E-01 2.0355E-05 8.3424E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=654997 %RSD=17.0993 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4777	21041	43560	122581	274076	654997
CONC':	0.522	1.50	4.79	9.29	24.4	50.6	99.9
R.T.:		18.281	18.283	18.284	18.284	18.286	18.286

CONC = 5.2240E-01+ 2.0476E-04*RESP+ -8.0915E-11*RESP**2+ *RESP**3
95% C.I.= 7.1301E-01 8.8115E-06 1.3258E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=577802 %RSD=9.4304 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5469	22952	45929	122766	256724	577802
CONC':	0.074	1.23	4.90	9.67	25.1	50.0	100.0
R.T.:		20.599	20.600	20.602	20.601	20.602	20.603

CONC = 7.3918E-02+ 2.1203E-04*RESP+ -6.7687E-11*RESP**2+ *RESP**3
95% C.I.= 2.3857E-01 3.1789E-06 5.4254E-12
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: 04/24/94 LARGEST RESP=481002 %RSD=8.1676 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4725	20018	40392	103213	212556	481002
CONC':	-.146	1.06	4.95	10.0	25.2	49.8	100
R.T.:		22.035	22.036	22.036	22.036	22.037	22.037

CONC = -1.4620E-01+ 2.5634E-04*RESP+ -9.9984E-11*RESP**2+ *RESP**3
95% C.I.= 1.9487E-01 3.1023E-06 6.3482E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=524228 %RSD=11.6748 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4106	19846	39990	111111	242585	524228
CONC':	0.519	1.43	4.89	9.27	24.4	50.6	99.9
R.T.:		22.984	22.983	22.984	22.982	22.982	22.980

CONC = 5.1905E-01+ 2.2129E-04*RESP+ -6.0511E-11*RESP**2+ *RESP**3
95% C.I.= 7.3796E-01 1.0826E-05 2.0479E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=544688 %RSD=13.9597 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4282	18886	38521	108460	234344	544688
CONC':	0.386	1.39	4.81	9.33	24.8	50.3	100.0
R.T.:		23.263	23.265	23.265	23.265	23.267	23.267

CONC = 3.8631E-01+ 2.3587E-04*RESP+ -9.7435E-11*RESP**2+ *RESP**3
95% C.I.= 5.2266E-01 7.5940E-06 1.3752E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=333070 %RSD=14.5558 RT WINDOW:

CONC :	0	1	5	10	25	50	100

ESE BATCH : G48428

RESP :	0	3670	12758	25725	72011	151426	333070
CONC':	0.244	1.55	4.75	9.28	25.0	50.2	100.0
R.T.:		24.246	24.245	24.239	24.244	24.247	24.242

CONC = 2.4411E-01+ 3.5572E-04*RESP+ -1.6916E-10*RESP**2+ *RESP**3
95% C.I.= 5.4746E-01 1.2592E-05 3.7380E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=253959 %RSD=22.0795 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3677	10794	21015	63341	123858	253959
CONC':	0.249	1.74	4.63	8.77	25.8	49.8	100
R.T.:		24.483	24.483	24.477	24.477	24.473	24.472

CONC = 2.4915E-01+ 4.0684E-04*RESP+ -5.5196E-11*RESP**2+ *RESP**3
95% C.I.= 9.5419E-01 2.7536E-05 1.0776E-10
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=303116 %RSD=44.2557 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	7154	15880	30246	79725	149512	303116
CONC':	-.581	1.82	4.74	9.55	26.1	49.3	100
R.T.:		24.656	24.656	24.651	24.653	24.651	24.651

CONC = -5.8116E-01+ 3.3514E-04*RESP+ -9.8592E-12*RESP**2+ *RESP**3
95% C.I.= 9.9024E-01 2.3228E-05 7.5657E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=343828 %RSD=23.4609 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4664	12957	26797	72765	161264	343828
CONC':	0.384	1.94	4.69	9.24	24.0	50.9	99.9
R.T.:		25.157	25.156	25.151	25.154	25.153	25.151

CONC = 3.8385E-01+ 3.3414E-04*RESP+ -1.3039E-10*RESP**2+ *RESP**3
95% C.I.= 1.0268E+00 2.2907E-05 6.6027E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=340663 %RSD=9.1726 RT WINDOW:

CONC :	0	1	5	10	25	100
RESP :	0	4259	18133	35367	88386	340663
CONC':	-.077	1.12	5.03	9.90	25.0	100.0
R.T.:		25.419	25.417	25.413	25.416	25.413

CONC = -7.7220E-02+ 2.8073E-04*RESP+ 3.8273E-11*RESP**2- *RESP**3
95% C.I.= 1.2750E-01 3.7542E-06 1.0539E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=363326 %RSD=9.4528 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4001	15538	31575	89466	174984	363326
CONC':	0.180	1.34	4.68	9.30	25.8	49.7	100
R.T.:		25.697	25.697	25.691	25.695	25.695	25.694

CONC = 1.7981E-01+ 2.9018E-04*RESP+ -4.2224E-11*RESP**2- *RESP**3
95% C.I.= 6.8243E-01 1.3781E-05 3.7648E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/24/94 LARGEST RESP=137591 %RSD=23.5335 RT WINDOW:

ESE BATCH : G48428

CONC :	0	1	5	[illegible]	25	50	100
RESP :	0	1311	11379	18523	35662	79637	137591
CONC':	0.579	1.31	7.07	8.92	21.9	52.4	99.4
R.T.:		27.142	27.140	27.138	27.137	27.134	27.133

CONC = 5.7943E-01+ 5.5690E-04*RESP+ 1.1732E-09*RESP**2+ *RESP**3
95% C.I.= 2.7730E+00 1.4404E-04 1.0479E-09
CORRELATION COEFFICIENT = .9986

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 04/24/94 LARGEST RESP=1860169 %RSD=5.9792 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	20551	89685	181031	511475	956723	1860169
CONC':	0.0010	0.005	0.019	0.037	0.104	0.198	0.400
R.T.:		31.040	31.039	31.038	31.037	31.034	31.032

CONC = 9.8825E-04+ 1.9669E-07*RESP+ 9.6503E-15*RESP**2+ *RESP**3
95% C.I.= 3.2977E-03 1.2547E-08 6.7306E-15
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 04/24/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/24/94 LARGEST RESP= %RSD= RT WINDOW

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/24/94 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: 04/24/94 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: 04/24/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/24/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/24/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/24/94 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: 04/24/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

ESE BATCH : G48428

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/26/94	CCS*IND6*2	39076*8080/3540-G	BHC,A	UG/KG-	358000	516000	144	80-120
04/26/94	CCS*IND6*2	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	393000	544000	138	80-120
04/26/94	CCS*IND6*2	34262*8080/3540-G	BHC,D	UG/KG-	272000	375000	138	80-120
04/26/94	CCS*IND6*2	39413*8080/3540-G	HEPTACHLOR	UG/KG-	620000	627000	101	80-120
04/26/94	CCS*IND6*2	34257*8080/3540-G	BHC,B	UG/KG-	242000	304000	126	80-120
04/26/94	CCS*IND6*2	39333*8080/3540-G	ALDRIN	UG/KG-	655000	669000	102	80-120
04/26/94	CCS*IND6*2	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	578000	618000	107	80-120
04/26/94	CCS*IND6*2	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	481000	506000	105	80-120
04/26/94	CCS*IND6*2	39321*8080/3540-G	DDE,PP'	UG/KG-	524000	525000	100	80-120
04/26/94	CCS*IND6*2	39383*8080/3540-G	DIELDRIN	UG/KG-	545000	536000	98.3	80-120
04/26/94	CCS*IND6*2	39393*8080/3540-G	ENDRIN	UG/KG-	333000	304000	91.3	80-120
04/26/94	CCS*IND6*2	39311*8080/3540-G	DDD,PP'	UG/KG-	254000	270000	106	80-120
04/26/94	CCS*IND6*2	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	303000	323000	107	80-120
04/26/94	CCS*IND6*2	39301*8080/3540-G	DDT,PP'	UG/KG-	344000	287000	83.4	80-120
04/26/94	CCS*IND6*2	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	341000	346000	101	80-120
04/26/94	CCS*IND6*2	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	363000	323000	89.0	80-120
04/26/94	CCS*IND6*2	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	138000	136000	98.6	80-120
04/26/94	CCS*IND6*3	39076*8080/3540-G	BHC,A	UG/KG-	358000	545000	152	80-120
04/26/94	CCS*IND6*3	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	393000	574000	146	80-120
04/26/94	CCS*IND6*3	34262*8080/3540-G	BHC,D	UG/KG-	272000	405000	149	80-120
04/26/94	CCS*IND6*3	39413*8080/3540-G	HEPTACHLOR	UG/KG-	620000	667000	108	80-120
04/26/94	CCS*IND6*3	34257*8080/3540-G	BHC,B	UG/KG-	242000	320000	132	80-120
04/26/94	CCS*IND6*3	39333*8080/3540-G	ALDRIN	UG/KG-	655000	715000	109	80-120
04/26/94	CCS*IND6*3	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	578000	666000	115	80-120
04/26/94	CCS*IND6*3	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	481000	557000	116	80-120
04/26/94	CCS*IND6*3	39321*8080/3540-G	DDE,PP'	UG/KG-	524000	561000	107	80-120
04/26/94	CCS*IND6*3	39383*8080/3540-G	DIELDRIN	UG/KG-	545000	592000	109	80-120
04/26/94	CCS*IND6*3	39393*8080/3540-G	ENDRIN	UG/KG-	333000	363000	109	80-120
04/26/94	CCS*IND6*3	39311*8080/3540-G	DDD,PP'	UG/KG-	254000	302000	119	80-120
04/26/94	CCS*IND6*3	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	303000	376000	124	80-120
04/26/94	CCS*IND6*3	39301*8080/3540-G	DDT,PP'	UG/KG-	344000	351000	102	80-120
04/26/94	CCS*IND6*3	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	341000	383000	112	80-120
04/26/94	CCS*IND6*3	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	363000	360000	99.2	80-120
04/26/94	CCS*IND6*3	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	138000	164000	119	80-120
04/26/94	CCS*IND6*4	39076*8080/3540-G	BHC,A	UG/KG-	358000	508000	142	80-120
04/26/94	CCS*IND6*4	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	393000	536000	136	80-120
04/26/94	CCS*IND6*4	34262*8080/3540-G	BHC,D	UG/KG-	272000	364000	134	80-120
04/26/94	CCS*IND6*4	39413*8080/3540-G	HEPTACHLOR	UG/KG-	620000	623000	100	80-120
04/26/94	CCS*IND6*4	34257*8080/3540-G	BHC,B	UG/KG-	242000	295000	122	80-120
04/26/94	CCS*IND6*4	39333*8080/3540-G	ALDRIN	UG/KG-	655000	662000	101	80-120
04/26/94	CCS*IND6*4	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	578000	612000	106	80-120
04/26/94	CCS*IND6*4	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	481000	497000	103	80-120
04/26/94	CCS*IND6*4	39321*8080/3540-G	DDE,PP'	UG/KG-	524000	484000	92.4	80-120
04/26/94	CCS*IND6*4	39383*8080/3540-G	DIELDRIN	UG/KG-	545000	540000	99.1	80-120
04/26/94	CCS*IND6*4	39393*8080/3540-G	ENDRIN	UG/KG-	333000	324000	97.3	80-120
04/26/94	CCS*IND6*4	39311*8080/3540-G	DDD,PP'	UG/KG-	254000	251000	98.8	80-120
04/26/94	CCS*IND6*4	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	303000	340000	112	80-120
04/26/94	CCS*IND6*4	39301*8080/3540-G	DDT,PP'	UG/KG-	344000	305000	88.7	80-120
04/26/94	CCS*IND6*4	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	341000	337000	98.8	80-120
04/26/94	CCS*IND6*4	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	363000	309000	85.1	80-120
04/26/94	CCS*IND6*4	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	138000	136000	98.6	80-120

ESE BATCH : G48428

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/26/94	CCS*IND6*5	39076*8080/3540-G	BHC,A	UG/KG-	358000	526000	147	80-120
04/26/94	CCS*IND6*5	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	393000	557000	142	80-120
04/26/94	CCS*IND6*5	34262*8080/3540-G	BHC,D	UG/KG-	272000	386000	142	80-120
04/26/94	CCS*IND6*5	39413*8080/3540-G	HEPTACHLOR	UG/KG-	620000	660000	106	80-120
04/26/94	CCS*IND6*5	34257*8080/3540-G	BHC,B	UG/KG-	242000	310000	128	80-120
04/26/94	CCS*IND6*5	39333*8080/3540-G	ALDRIN	UG/KG-	655000	697000	106	80-120
04/26/94	CCS*IND6*5	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	578000	652000	113	80-120
04/26/94	CCS*IND6*5	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	481000	539000	112	80-120
04/26/94	CCS*IND6*5	39321*8080/3540-G	DDE,PP'	UG/KG-	524000	536000	102	80-120
04/26/94	CCS*IND6*5	39383*8080/3540-G	DIELDRIN	UG/KG-	545000	585000	107	80-120
04/26/94	CCS*IND6*5	39393*8080/3540-G	ENDRIN	UG/KG-	333000	358000	108	80-120
04/26/94	CCS*IND6*5	39311*8080/3540-G	DDD,PP'	UG/KG-	254000	283000	111	80-120
04/26/94	CCS*IND6*5	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	303000	367000	121	80-120
04/26/94	CCS*IND6*5	39301*8080/3540-G	DDT,PP'	UG/KG-	344000	337000	98.0	80-120
04/26/94	CCS*IND6*5	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	341000	371000	109	80-120
04/26/94	CCS*IND6*5	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	363000	346000	95.3	80-120
04/26/94	CCS*IND6*5	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	138000	153000	111	80-120
04/26/94	CCS*IND6*6	39076*8080/3540-G	BHC,A	UG/KG-	358000	595000	166	80-120
04/26/94	CCS*IND6*6	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	393000	629000	160	80-120
04/26/94	CCS*IND6*6	34262*8080/3540-G	BHC,D	UG/KG-	272000	446000	164	80-120
04/26/94	CCS*IND6*6	39413*8080/3540-G	HEPTACHLOR	UG/KG-	620000	736000	119	80-120
04/26/94	CCS*IND6*6	34257*8080/3540-G	BHC,B	UG/KG-	242000	352000	145	80-120
04/26/94	CCS*IND6*6	39333*8080/3540-G	ALDRIN	UG/KG-	655000	759000	116	80-120
04/26/94	CCS*IND6*6	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	578000	598000	103	80-120
04/26/94	CCS*IND6*6	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	481000	608000	126	80-120
04/26/94	CCS*IND6*6	39321*8080/3540-G	DDE,PP'	UG/KG-	524000	616000	118	80-120
04/26/94	CCS*IND6*6	39383*8080/3540-G	DIELDRIN	UG/KG-	545000	645000	118	80-120
04/26/94	CCS*IND6*6	39393*8080/3540-G	ENDRIN	UG/KG-	333000	352000	106	80-120
04/26/94	CCS*IND6*6	39311*8080/3540-G	DDD,PP'	UG/KG-	254000	308000	121	80-120
04/26/94	CCS*IND6*6	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	303000	393000	130	80-120
04/26/94	CCS*IND6*6	39301*8080/3540-G	DDT,PP'	UG/KG-	344000	382000	111	80-120
04/26/94	CCS*IND6*6	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	341000	405000	119	80-120
04/26/94	CCS*IND6*6	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	363000	381000	105	80-120
04/26/94	CCS*IND6*6	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	138000	139000	101	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/25/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
04/25/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE	UG/KG-	ND
04/25/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
04/25/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
04/25/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
04/25/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
04/25/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
04/25/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
04/25/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
04/25/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
04/25/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
04/25/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND

ESE BATCH : G48428

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/25/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
04/25/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
04/25/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
04/25/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
04/25/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
04/25/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
04/25/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
04/25/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
04/25/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
04/25/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
04/25/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
04/25/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
04/25/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
04/25/94	MB*QC*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
04/25/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	82.3	45-129	UG/KG-	33.3	27.4
04/25/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	80.2	30-148	UG/KG-	33.3	26.7
04/25/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	74.8	53-133	UG/KG-	33.3	24.9
04/25/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	81.4	46-140	UG/KG-	66.7	54.3
04/25/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	81.6	52-126	UG/KG-	66.7	54.4
04/25/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	79.6	37-155	UG/KG-	66.7	53.1
04/25/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
04/25/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
04/25/94	SP1*QC*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
04/25/94	SPM1*CDMHNSS*8	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39783*8080/3540-G	BHC,G(LINDANE	64.8	45-129	0.0	UG/KG-	34.9	22.6
04/25/94	SPM1*CDMHNSS*8	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39413*8080/3540-G	HEPTACHLOR	55.6	30-148	0.0	UG/KG-	34.9	19.4
04/25/94	SPM1*CDMHNSS*8	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39333*8080/3540-G	ALDRIN	139.0	53-133	0.365	UG/KG-	34.9	48.5
04/25/94	SPM1*CDMHNSS*8	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39383*8080/3540-G	DIELDRIN	80.2	46-140	0.270	UG/KG-	69.8	56.0
04/25/94	SPM1*CDMHNSS*8	39393*8080/3540-G	ENDRIN	94.1	52-126	0.170	UG/KG-	69.8	65.7
04/25/94	SPM1*CDMHNSS*8	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39301*8080/3540-G	DDT,PP'	36.2	37-155	39.0	UG/KG-	69.8	25.3
04/25/94	SPM1*CDMHNSS*8	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
04/25/94	SPM1*CDMHNSS*8	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND

ESE BATCH : G48428

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/25/94	SPM1*CDMHNSS*8	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39783*8080/3540-G	BHC,G(LINDANE)	69.3	45-129	0.0	UG/KG-	34.9	24.2
04/26/94	SPM2*CDMHNSS*8	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39413*8080/3540-G	HEPTACHLOR	47.6	30-148	0.0	UG/KG-	34.9	16.6
04/26/94	SPM2*CDMHNSS*8	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39333*8080/3540-G	ALDRIN	110.0	53-133	0.365	UG/KG-	34.9	38.4
04/26/94	SPM2*CDMHNSS*8	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39383*8080/3540-G	DIELDRIN	73.8	46-140	0.270	UG/KG-	69.8	51.5
04/26/94	SPM2*CDMHNSS*8	39393*8080/3540-G	ENDRIN	44.3	52-126	0.170	UG/KG-	69.8	30.9
04/26/94	SPM2*CDMHNSS*8	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39301*8080/3540-G	DDT,PP'	34.1	37-155	39.0	UG/KG-	69.8	23.8
04/26/94	SPM2*CDMHNSS*8	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39511*8080/3540-G	PCB 1260		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
04/26/94	SPM2*CDMHNSS*8	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
04/25/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.065	97.0	67-119
04/25/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.059	88.1	51-169
04/25/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.056	83.6	67-119
04/25/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.051	76.1	51-169
04/25/94	SPM1*CDMHNSS*8	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.054	80.6	67-119
04/25/94	SPM1*CDMHNSS*8	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.061	91.0	51-169
04/26/94	SPM2*CDMHNSS*8	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.049	73.1	67-119
04/26/94	SPM2*CDMHNSS*8	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.052	77.6	51-169
04/26/94	DA*CDMHNSS*7	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.074	110	67-119
04/26/94	DA*CDMHNSS*7	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.078	116	51-169
04/26/94	DA*CDMHNSS*8	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.053	79.1	67-119
04/26/94	DA*CDMHNSS*8	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.095	142	51-169
04/26/94	DA*CDMHNSS*9	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.070	104	67-119
04/26/94	DA*CDMHNSS*9	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.046	68.7	51-169
04/26/94	CCS*IND6*2	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1930000	2070000	107	67-119
04/26/94	CCS*IND6*2	96343*SUR	DECACHLOROBIPHENYL	UG/G	1860000	1610000	86.6	51-169
04/26/94	CCS*IND6*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1930000	2160000	112	67-119
04/26/94	CCS*IND6*3	96343*SUR	DECACHLOROBIPHENYL	UG/G	1860000	1820000	97.8	51-169
04/26/94	CCS*IND6*4	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1930000	2000000	104	67-119
04/26/94	CCS*IND6*4	96343*SUR	DECACHLOROBIPHENYL	UG/G	1860000	1500000	80.6	51-169
04/26/94	CCS*IND6*5	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1930000	2080000	108	67-119
04/26/94	CCS*IND6*5	96343*SUR	DECACHLOROBIPHENYL	UG/G	1860000	1670000	89.8	51-169
04/26/94	CCS*IND6*6	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1930000	2230000	116	67-119
04/26/94	CCS*IND6*6	96343*SUR	DECACHLOROBIPHENYL	UG/G	1860000	1920000	103	51-169

ESE BATCH : G48428

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48428 Analysis Date: 04/24/94 Analyst: GREG AYCUB

	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		
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	89333*8080 _____
			89301*8080 _____
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	89393*8080 _____
			89301*8080 _____
Surrogate present?	X		
Surrogate within acceptance criteria?		X	DCX _____
			DCBP _____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: BRAD WEICHERT 1569
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:SEVERE SAMPLE - MATRIX INTERFENCE.
STANDARD SPIKE RECOVERIES ARE OK./GA
PROB.:SAMPLE MATRIX SPIKE DUPLICATE NOT
WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./GA

ESE BATCH : G48428

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 : G48533
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOX

QC TYPE	: FDER/SW	REPORT DATE/TIME	: 05/20/94 07:38:24
ANALYST	: GREG AYOUB	ANALYSIS DATE	: 04/27/94
EXTRACTOR	: DONNA CREWS	EXTRACT DATE	: 04/26/94
DATA ENTRY	: GREG AYOUB		

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*10	WA07-1-01	04/28/94	06:20AM
CDMHNSS*11	WA07-2-05	04/28/94	07:00AM
CDMHNSS*12	WA05-1-04	04/28/94	07:40AM

ESE BATCH : G48533

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: 04/27/94 LARGEST RESP=2115712 %RSD=1.9385 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	19458	105234	206378	548764	1032422	2115712
CONC':	-.0004	0.003	0.020	0.039	0.105	0.197	0.400
R.T.:		11.1914	11.1890	11.1882	11.1843	11.1812	11.1773

CONC = -3.6161E-04+ 1.9220E-07*RESP+ -1.2942E-15*RESP**2+ *RESP**3
95% C.I.= 3.3200E-03 1.1253E-08 5.2736E-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: 04/27/94 LARGEST RESP=469852 %RSD=1.3876 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4022	19118	35110	89233	182804	469852
CONC':	-.491	0.757	5.38	10.2	25.6	49.5	100
R.T.:		13.9749	13.9740	13.9744	13.9722	13.9713	13.9692

CONC = -4.9080E-01+ 3.1120E-04*RESP+ -2.0690E-10*RESP**2+ *RESP**3
95% C.I.= 5.9404E-01 1.0279E-05 2.1338E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=498605 %RSD=10.9624 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4194	19998	37452	96029	197209	498605
CONC':	-.391	0.810	5.28	10.1	25.6	49.5	100
R.T.:		15.5964	15.5950	15.5951	15.5944	15.5924	15.5887

CONC = -3.9144E-01+ 2.8707E-04*RESP+ -1.7173E-10*RESP**2+ *RESP**3
95% C.I.= 5.0895E-01 8.2392E-06 1.6141E-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: 04/27/94 LARGEST RESP=329029 %RSD=8.7500 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3042	14924	27430	68252	130127	329029
CONC':	-.871	0.428	5.44	10.6	26.6	48.6	100
R.T.:		17.4237	17.4231	17.4232	17.4200	17.4179	17.4162

CONC = -8.7119E-01+ 4.2831E-04*RESP+ -3.6869E-10*RESP**2+ *RESP**3
95% C.I.= 1.4104E+00 3.3742E-05 9.9872E-11
CORRELATION COEFFICIENT = .9996

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=595079 %RSD=8.5116 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5648	26740	50313	122146	241445	595079
CONC':	-.743	0.561	5.37	10.6	26.0	49.1	100
R.T.:		16.9129	16.9125	16.9117	16.9108	16.9086	16.9061

CONC = -7.4338E-01+ 2.3154E-04*RESP+ -1.0430E-10*RESP**2+ *RESP**3
95% C.I.= 9.9314E-01 1.3084E-05 2.1455E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=286977 %RSD=4.7732 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2741	14104	26465	66066	128988	286977

ESE BATCH : G48533

CONC':	-.627	0.536	[illegible]	10.[illegible]	26.3	48.8	100
R.T.:		15.9194	15.9176	15.917[illegible]	15.9154	15.9118	15.9076

CONC = -6.2709E-01+ 4.2515E-04*RESP+ -2.5787E-10*RESP**2+ *RESP**3
95% C.I.= 1.1387E+00 2.9655E-05 1.0135E-10
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=704174 %RSD=19.2709 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4471	22724	45266	122170	265191	704174
CONC':	0.133	1.10	5.00	9.71	25.0	50.1	100.0
R.T.:		18.2639	18.2636	18.2636	18.2643	18.2630	18.2626

CONC = 1.3300E-01+ 2.1643E-04*RESP+ -1.0597E-10*RESP**2+ *RESP**3
95% C.I.= 1.8424E-01 2.2126E-06 3.0721E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=627745 %RSD=11.4597 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5083	24584	46558	120922	245991	627745
CONC':	-.372	0.793	5.21	10.1	25.8	49.4	100
R.T.:		20.5809	20.5808	20.5809	20.5802	20.5793	20.5787

CONC = -3.7215E-01+ 2.2983E-04*RESP+ -1.1127E-10*RESP**2+ *RESP**3
95% C.I.= 6.0260E-01 7.7742E-06 1.2094E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=504988 %RSD=10.2535 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4255	20892	39702	98837	194463	504988
CONC':	-.696	0.537	5.29	10.5	26.2	49.0	100
R.T.:		22.0161	22.0153	22.0153	22.0160	22.0136	22.0138

CONC = -6.9558E-01+ 2.9035E-04*RESP+ -1.7970E-10*RESP**2+ *RESP**3
95% C.I.= 1.0748E+00 1.7179E-05 3.3127E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=501999 %RSD=10.9068 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3908	20478	38088	100138	195261	501999
CONC':	-.528	0.591	5.28	10.2	26.5	48.9	100
R.T.:		22.9603	22.9601	22.9598	22.9593	22.9548	22.9540

CONC = -5.2764E-01+ 2.8693E-04*RESP+ -1.7225E-10*RESP**2+ *RESP**3
95% C.I.= 1.0944E+00 1.7517E-05 3.4036E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=557916 %RSD=15.7209 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3973	19606	37749	101196	208223	557916
CONC':	-.212	0.875	5.10	9.89	25.8	49.5	100
R.T.:		23.2469	23.2469	23.2473	23.2481	23.2463	23.2459

CONC = -2.1158E-01+ 2.7404E-04*RESP+ -1.6911E-10*RESP**2+ *RESP**3
95% C.I.= 5.2989E-01 7.9475E-06 1.3894E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=309789 %RSD=21.2821 RT WINDOW:

CONC :	0	1	5	10	25	50	100

ESE BATCH : G48533

RESP :	0	3757	12093	23874	59650	117043	309789
CONC':	-.824	0.995	4.94	10.[illegible]	26.3	49.0	100
R.T.:		24.2442	24.2406	24.2443	24.2420	24.2368	24.2346

CONC = -8.2442E-01+ 4.8614E-04*RESP+ -5.1769E-10*RESP**2+ *RESP**3
95% C.I.= 1.0823E+00 2.8498E-05 8.9432E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=257167 %RSD=18.4687 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3317	12063	21835	56225	102642	257167
CONC':	-1.08	0.696	5.32	10.4	27.3	48.2	100
R.T.:		24.4838	24.4816	24.4838	24.4807	24.4716	24.4668

CONC = -1.0784E+00+ 5.3686E-04*RESP+ -5.5654E-10*RESP**2+ *RESP**3
95% C.I.= 1.8354E+00 5.5257E-05 2.0909E-10
CORRELATION COEFFICIENT = .9994

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=331995 %RSD=10.8298 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3708	18173	30450	76323	141144	331995
CONC':	-1.04	0.375	5.85	10.4	26.8	48.4	100
R.T.:		24.6548	24.6522	24.6537	24.6515	24.6472	24.6425

CONC = -1.0439E+00+ 3.8350E-04*RESP+ -2.3665E-10*RESP**2+ *RESP**3
95% C.I.= 1.6671E+00 3.7637E-05 1.1067E-10
CORRELATION COEFFICIENT = .9995

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=275068 %RSD=4[illegible].4644 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5576	11141	22315	54188	107748	275068
CONC':	-1.15	1.79	4.70	10.4	25.9	49.2	100
R.T.:		25.1572	25.1545	25.1573	25.1530	25.1485	25.1439

CONC = -1.1526E+00+ 5.3188E-04*RESP+ -5.9572E-10*RESP**2+ *RESP**3
95% C.I.= 1.0875E+00 3.1621E-05 1.1168E-10
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=336424 %RSD=10.5255 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2540	16993	32757	83131	149855	336424
CONC':	-.610	0.268	5.23	10.6	27.2	48.1	100
R.T.:		25.4182	25.4165	25.4186	25.4161	25.4094	25.4044

CONC = -6.0957E-01+ 3.4572E-04*RESP+ -1.3666E-10*RESP**2+ *RESP**3
95% C.I.= 1.7586E+00 3.8190E-05 1.1151E-10
CORRELATION COEFFICIENT = .9994

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=309553 %RSD=7.4963 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2547	13635	25791	69438	130099	309553
CONC':	-.460	0.595	5.14	10.0	26.9	48.6	100
R.T.:		25.6979	25.6959	25.6980	25.6947	25.6887	25.6850

CONC = -4.5990E-01+ 4.1472E-04*RESP+ -2.8977E-10*RESP**2+ *RESP**3
95% C.I.= 1.3892E+00 3.4280E-05 1.0852E-10
CORRELATION COEFFICIENT = .9996

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=117408 %RSD=6.2195 RT WINDOW:

ESE BATCH : G48533

CONC :	0	1	5	[illegible]	25	50	100
RESP :	0	997	5103	10262	26043	50521	117408
CONC':	-.411	0.654	5.00	10.4	26.2	49.0	100
R.T.:		27.1438	27.1388	27.1429	27.1381	27.1319	27.1249

CONC = -4.1148E-01+ 1.0707E-03*RESP+ -1.8263E-09*RESP**2+ *RESP**3
95% C.I.= 9.5874E-01 6.2117E-05 5.1917E-10
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 04/27/94 LARGEST RESP=1658600 %RSD=4.8046 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	16022	80297	154500	407928	723566	1658600
CONC':	- 003	0.002	0.020	0.041	0.110	0.192	0.401
R.T.:		31.0357	31.0344	31.0392	31.0324	31.0223	31.0176

CONC = -2.6358E-03+ 2.8820E-07*RESP+ -2.7058E-14*RESP**2+ *RESP**3
95% C.I.= 7.8261E-03 3.4738E-08 2.0544E-14
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 04/27/94 LARGEST RESP=8546 %RSD= RT WINDOW:

CONC :	5
RESP :	8546
CONC':	
R.F.:	1709.2
R.P.D.:	0.00

CONC = + *RESP+ *RESP**2+ *RESP**3
95% C.I.=
CORRELATION COEFFICIENT =
AVG RESPONSE FACTOR = 1709.2
STANDARD DEVIATION = 0.0

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP=1283987 %RSD=6.8928 RT WINDOW:

CONC :	0	20	50	100	200	500	1000	2000
RESP :	0	11532	36013	67825	127742	342375	668052	1283987
CONC':	3.30	19.8	54.8	101	187	504	1000	2000

CONC = 3.2983E+00+ 1.4273E-03*RESP+ 9.9227E-11*RESP**2- *RESP**3
95% C.I.= 6.5745E+00 3.9544E-05 3.1129E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP=1945727 %RSD=7.9936 RT WINDOW:

CONC :	0	20	50	100	200	500	1000	2000
RESP :	0	22531	57791	111736	205737	510437	933834	1945727
CONC':	-12.5	11.7	49.4	107	207	530	973	2000

CONC = -1.2495E+01+ 1.0724E-03*RESP+ -1.8482E-11*RESP**2+ *RESP**3
95% C.I.= 2.0519E+01 8.1089E-05 4.1652E-11
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48533

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 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= DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48533

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/28/94	CCS*IND6*2	39076*8080/3540-G	BHC,A	UG/KG-	470000	467000	99.4	80-120
04/28/94	CCS*IND6*2	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	499000	494000	99.0	80-120
04/28/94	CCS*IND6*2	34262*8080/3540-G	BHC,D	UG/KG-	329000	328000	99.7	80-120
04/28/94	CCS*IND6*2	39413*8080/3540-G	HEPTACHLOR	UG/KG-	595000	612000	103	80-120
04/28/94	CCS*IND6*2	34257*8080/3540-G	BHC,B	UG/KG-	287000	281000	97.9	80-120
04/28/94	CCS*IND6*2	39333*8080/3540-G	ALDRIN	UG/KG-	704000	662000	94.0	80-120
04/28/94	CCS*IND6*2	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	628000	605000	96.3	80-120
04/28/94	CCS*IND6*2	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	505000	521000	103	80-120
04/28/94	CCS*IND6*2	39321*8080/3540-G	DDE,PP'	UG/KG-	502000	494000	98.4	80-120
04/28/94	CCS*IND6*2	39383*8080/3540-G	DIELDRIN	UG/KG-	558000	529000	94.8	80-120
04/28/94	CCS*IND6*2	39393*8080/3540-G	ENDRIN	UG/KG-	310000	302000	97.4	80-120
04/28/94	CCS*IND6*2	39311*8080/3540-G	DDD,PP'	UG/KG-	257000	248000	96.5	80-120
04/28/94	CCS*IND6*2	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	332000	323000	97.3	80-120
04/28/94	CCS*IND6*2	39301*8080/3540-G	DDT,PP'	UG/KG-	275000	281000	102	80-120
04/28/94	CCS*IND6*2	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	336000	339000	101	80-120
04/28/94	CCS*IND6*2	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	310000	322000	104	80-120
04/28/94	CCS*IND6*2	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	117000	118000	101	80-120
04/28/94	CCS*IND6*3	39076*8080/3540-G	BHC,A	UG/KG-	470000	490000	104	80-120
04/28/94	CCS*IND6*3	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	499000	519000	104	80-120
04/28/94	CCS*IND6*3	34262*8080/3540-G	BHC,D	UG/KG-	329000	346000	105	80-120
04/28/94	CCS*IND6*3	39413*8080/3540-G	HEPTACHLOR	UG/KG-	595000	638000	107	80-120
04/28/94	CCS*IND6*3	34257*8080/3540-G	BHC,B	UG/KG-	287000	292000	102	80-120
04/28/94	CCS*IND6*3	39333*8080/3540-G	ALDRIN	UG/KG-	704000	569000	80.8	80-120
04/28/94	CCS*IND6*3	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	628000	628000	100.0	80-120
04/28/94	CCS*IND6*3	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	505000	549000	109	80-120
04/28/94	CCS*IND6*3	39321*8080/3540-G	DDE,PP'	UG/KG-	502000	514000	102	80-120
04/28/94	CCS*IND6*3	39383*8080/3540-G	DIELDRIN	UG/KG-	558000	548000	98.2	80-120
04/28/94	CCS*IND6*3	39393*8080/3540-G	ENDRIN	UG/KG-	310000	331000	107	80-120
04/28/94	CCS*IND6*3	39311*8080/3540-G	DDD,PP'	UG/KG-	257000	257000	100.0	80-120
04/28/94	CCS*IND6*3	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	332000	336000	101	80-120
04/28/94	CCS*IND6*3	39301*8080/3540-G	DDT,PP'	UG/KG-	275000	292000	106	80-120
04/28/94	CCS*IND6*3	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	336000	335000	99.7	80-120
04/28/94	CCS*IND6*3	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	310000	315000	102	80-120
04/28/94	CCS*IND6*3	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	117000	135000	115	80-120
04/28/94	CCS*IND6*4	39076*8080/3540-G	BHC,A	UG/KG-	470000	503000	107	80-120
04/28/94	CCS*IND6*4	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	499000	535000	107	80-120
04/28/94	CCS*IND6*4	34262*8080/3540-G	BHC,D	UG/KG-	329000	354000	108	80-120
04/28/94	CCS*IND6*4	39413*8080/3540-G	HEPTACHLOR	UG/KG-	595000	658000	111	80-120
04/28/94	CCS*IND6*4	34257*8080/3540-G	BHC,B	UG/KG-	287000	301000	105	80-120
04/28/94	CCS*IND6*4	39333*8080/3540-G	ALDRIN	UG/KG-		ND		80-120
04/28/94	CCS*IND6*4	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	628000	645000	103	80-120
04/28/94	CCS*IND6*4	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	505000	546000	108	80-120
04/28/94	CCS*IND6*4	39321*8080/3540-G	DDE,PP'	UG/KG-	502000	521000	104	80-120
04/28/94	CCS*IND6*4	39383*8080/3540-G	DIELDRIN	UG/KG-	558000	559000	100	80-120
04/28/94	CCS*IND6*4	39393*8080/3540-G	ENDRIN	UG/KG-	310000	338000	109	80-120
04/28/94	CCS*IND6*4	39311*8080/3540-G	DDD,PP'	UG/KG-	257000	258000	100	80-120
04/28/94	CCS*IND6*4	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	332000	337000	102	80-120
04/28/94	CCS*IND6*4	39301*8080/3540-G	DDT,PP'	UG/KG-	275000	291000	106	80-120
04/28/94	CCS*IND6*4	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	336000	332000	98.8	80-120
04/28/94	CCS*IND6*4	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	310000	318000	103	80-120
04/28/94	CCS*IND6*4	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	117000	128000	109	80-120

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Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/28/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
04/28/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
04/28/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
04/28/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
04/28/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
04/28/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
04/28/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
04/28/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
04/28/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
04/28/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
04/28/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
04/28/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
04/28/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
04/28/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
04/28/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
04/28/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
04/28/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
04/28/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
04/28/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
04/28/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
04/28/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
04/28/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
04/28/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
04/28/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
04/28/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
04/28/94	MB*QC*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
04/28/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE	97.3	45-129	UG/KG-	33.3	32.4
04/28/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	99.1	30-148	UG/KG-	33.3	33.0
04/28/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	95.5	53-133	UG/KG-	33.3	31.8
04/28/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	95.1	46-140	UG/KG-	66.7	63.4
04/28/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	96.3	52-126	UG/KG-	66.7	64.2
04/28/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	98.1	37-155	UG/KG-	66.7	65.4
04/28/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
04/28/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
04/28/94	SP1*QC*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
04/28/94	SPM1*CDMHNSS*12	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39783*8080/3540-G	BHC,G(LINDANE)	98.5	45-129	0.0	UG/KG-	34.3	33.8
04/28/94	SPM1*CDMHNSS*12	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39413*8080/3540-G	HEPTACHLOR	103.5	30-148	0.0	UG/KG-	34.3	35.5

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Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/28/94	SPM1*CDMHNSS*12	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39333*8080/3540-G	ALDRIN	98.0	53-133	0.091	UG/KG-	34.3	33.6
04/28/94	SPM1*CDMHNSS*12	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39383*8080/3540-G	DIELDRIN	97.2	46-140	0.0	UG/KG-	68.6	66.7
04/28/94	SPM1*CDMHNSS*12	39393*8080/3540-G	ENDRIN	98.7	52-126	0.0	UG/KG-	68.6	67.7
04/28/94	SPM1*CDMHNSS*12	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39301*8080/3540-G	DDT,PP'	87.8	37-155	6.72	UG/KG-	68.6	60.2
04/28/94	SPM1*CDMHNSS*12	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
04/28/94	SPM1*CDMHNSS*12	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39783*8080/3540-G	BHC,G(LINDANE)	99.1	45-129	0.0	UG/KG-	34.3	34.0
04/28/94	SPM2*CDMHNSS*12	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39413*8080/3540-G	HEPTACHLOR	102.9	30-148	0.0	UG/KG-	34.3	35.3
04/28/94	SPM2*CDMHNSS*12	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39333*8080/3540-G	ALDRIN	96.5	53-133	0.091	UG/KG-	34.3	33.1
04/28/94	SPM2*CDMHNSS*12	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39383*8080/3540-G	DIELDRIN	96.5	46-140	0.0	UG/KG-	68.6	66.2
04/28/94	SPM2*CDMHNSS*12	39393*8080/3540-G	ENDRIN	99.7	52-126	0.0	UG/KG-	68.6	68.4
04/28/94	SPM2*CDMHNSS*12	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39301*8080/3540-G	DDT,PP'	85.4	37-155	6.72	UG/KG-	68.6	58.6
04/28/94	SPM2*CDMHNSS*12	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
04/28/94	SPM2*CDMHNSS*12	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
04/28/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.064	95.5	67-119
04/28/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.071	106	51-169
04/28/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.067	100.0	67-119
04/28/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.071	106	51-169
04/28/94	SPM1*CDMHNSS*12	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.069	103	67-119
04/28/94	SPM1*CDMHNSS*12	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.077	115	51-169
04/28/94	SPM2*CDMHNSS*12	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.071	106	67-119
04/28/94	SPM2*CDMHNSS*12	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.074	110	51-169
04/28/94	DA*CDMHNSS*10	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.068	101	67-119
04/28/94	DA*CDMHNSS*10	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.083	124	51-169
04/28/94	DA*CDMHNSS*11	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.063	94.0	67-119
04/28/94	DA*CDMHNSS*11	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.068	101	51-169
04/28/94	DA*CDMHNSS*12	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.069	103	67-119
04/28/94	DA*CDMHNSS*12	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.072	107	51-169
04/28/94	CCS*IND6*2	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2120000	2060000	97.2	67-119
04/28/94	CCS*IND6*2	96343*SUR	DECACHLOROBIPHENYL	UG/G	1660000	1530000	92.2	51-169
04/28/94	CCS*IND6*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2120000	2110000	99.5	67-119
04/28/94	CCS*IND6*3	96343*SUR	DECACHLOROBIPHENYL	UG/G	1660000	1510000	91.0	51-169
04/28/94	CCS*IND6*4	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2120000	2170000	102	67-119
04/28/94	CCS*IND6*4	96343*SUR	DECACHLOROBIPHENYL	UG/G	1660000	1480000	89.2	51-169

ESE BATCH : G48533

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48533 Analysis Date: 04/27/94 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		
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	TCX _____
			DCB? _____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G48533

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 : G48561
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOX)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : ABRAHAM JACOB
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 05/20/94 07:40:24
ANALYSIS DATE : 04/28/94
EXTRACT DATE : 04/27/94

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*13	WA05-2-03	04/29/94	07:04AM
CDMHNSS*14	WA05-3-04	04/29/94	07:57AM
CDMHNSS*15	WA04-1-05	04/29/94	08:51AM
CDMHNSS*16	WA04-2-12	04/29/94	10:37AM

ESE BATCH : G48561

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: 04/28/94 LARGEST RESP=2100168 %RSD=7.9843 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	19093	96419	212031	553450	1174419	2100168
CONC':	0.004	0.007	0.019	0.037	0.094	0.206	0.398
R.T.:		11.1997	11.1961	11.1891	11.1825	11.1784	11.1743

CONC = 3.6210E-03+ 1.5325E-07*RESP+ 1.6549E-14*RESP**2+ *RESP**3
95% C.I.= 6.0647E-03 2.0786E-08 9.9592E-15
CORRELATION COEFFICIENT = .9995

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=461008 %RSD=10.3519 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3966	18237	36694	91334	217654	461008
CONC':	0.590	1.58	5.13	9.67	22.8	51.5	99.8
R.T.:		13.9733	13.9739	13.9702	13.9685	13.9669	13.9661

CONC = 5.9012E-01+ 2.5028E-04*RESP+ -7.6248E-11*RESP**2+ *RESP**3
95% C.I.= 1.5251E+00 2.5703E-05 5.5328E-11
CORRELATION COEFFICIENT = .9995

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=488974 %RSD=10.4414 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4150	19407	39418	99028	237924	488974
CONC':	0.742	1.67	5.09	9.54	22.6	51.7	99.7
R.T.:		15.5943	15.5925	15.5907	15.5878	15.5871	15.5860

CONC = 7.4163E-01+ 2.2507E-04*RESP+ -4.6381E-11*RESP**2+ *RESP**3
95% C.I.= 1.7276E+00 2.7257E-05 5.5480E-11
CORRELATION COEFFICIENT = .9994

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=310445 %RSD=5.5898 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2838	13807	28460	69120	155714	310445
CONC':	0.447	1.39	5.03	9.88	23.2	51.2	99.8
R.T.:		17.4257	17.4233	17.4199	17.4164	17.4147	17.4142

CONC = 4.4714E-01+ 3.3250E-04*RESP+ -4.0412E-11*RESP**2+ *RESP**3
95% C.I.= 1.2527E+00 3.0166E-05 9.6710E-11
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=623001 %RSD=6.5382 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6125	27603	56610	137413	318493	623001
CONC':	0.599	1.59	5.05	9.73	22.7	51.6	99.7
R.T.:		16.9089	16.9073	16.9051	16.9039	16.9039	16.9032

CONC = 5.9934E-01+ 1.6146E-04*RESP+ -3.8773E-12*RESP**2+ *RESP**3
95% C.I.= 1.6453E+00 1.9804E-05 3.1699E-11
CORRELATION COEFFICIENT = .9995

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=272026 %RSD=5.0420 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2594	12702	26825	66062	146433	272026

ESE BATCH : G48561

CONC':	0.688	1.54	4.39	9.61	23.0	51.6	99.7
R.T.:		15.9205	15.9138	15.9152	15.9107	15.9072	15.9052

CONC = 6.8797E-01+ 3.2923E-04*RESP+ -.2709E-10*RESP**2+ *RESP**3
95% C.I.= 1.5553E+00 4.1805E-05 .5289E-10
CORRELATION COEFFICIENT = .9995

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.2 DATE: 04/28/94 LARGEST RESP=690716 %RSD=16.9718 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5111	23337	48392	127943	324757	690716
CONC':	1.11	1.97	5.03	9.19	22.1	51.9	99.7
R.T.:		18.2585	18.2563	18.2559	18.2559	18.2569	18.2557

CONC = 1.1081E+00+ 1.6881E-04*RESP+ -3.7806E-11*RESP**2+ *RESP**3
95% C.I.= 2.0939E+00 2.4112E-05 3.4757E-11
CORRELATION COEFFICIENT = .9991

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=612833 %RSD=10.4773 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5296	24164	49634	125572	301415	612833
CONC':	0.793	1.73	5.04	9.48	22.5	51.7	99.7
R.T.:		20.5764	20.5748	20.5727	20.5733	20.5737	20.5724

CONC = 7.9268E-01+ 1.7631E-04*RESP+ -2.4367E-11*RESP**2+ *RESP**3
95% C.I.= 1.7727E+00 2.2248E-05 3.6172E-11
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=518589 %RSD=8.3752 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4728	21472	44284	106818	251871	518589
CONC':	0.532	1.54	5.08	9.86	22.8	51.5	99.7
R.T.:		22.0112	22.0095	22.0088	22.0078	22.0071	22.0069

CONC = 5.3236E-01+ 2.1255E-04*RESP+ -4.0946E-11*RESP**2+ *RESP**3
95% C.I.= 1.5397E+00 2.2726E-05 4.3543E-11
CORRELATION COEFFICIENT = .9995

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=460051 %RSD=10.2250 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3583	18847	40270	101500	229891	460051
CONC':	0.648	1.45	4.88	9.68	23.3	51.3	99.8
R.T.:		22.9625	22.9605	22.9574	22.9532	22.9511	22.9514

CONC = 6.4822E-01+ 2.2511E-04*RESP+ -2.1013E-11*RESP**2+ *RESP**3
95% C.I.= 1.2826E+00 2.0980E-05 4.5461E-11
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=537890 %RSD=14.5014 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4045	19262	40398	104323	256645	537890
CONC':	0.916	1.77	4.99	9.41	22.5	51.7	99.7
R.T.:		23.2428	23.2398	23.2415	23.2408	23.2404	23.2413

CONC = 9.1578E-01+ 2.1235E-04*RESP+ -5.3329E-11*RESP**2+ *RESP**3
95% C.I.= 1.8066E+00 2.6325E-05 4.8705E-11
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=295598 %RSD=11.6340 RT WINDOW:

CONC :	0	1	5	10	25	50	100

ESE BATCH : G48561

RESP :	0	3120	11670	25007	64156	149960	295598
CONC':	0.794	1.87	4.81	9.39	22.8	51.7	99.7
R.T.:		24.2394	24.2454	24.2359	24.2368	24.2386	24.2355

CONC = 7.9376E-01+ 3.4462E-04*RESP+ -3.4216E-11*RESP**2+ *RESP**3
95% C.I.= 1.7234E+00 4.4151E-05 1.4914E-10
CORRELATION COEFFICIENT = .9994

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=217993 %RSD=10.3530 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2657	9880	21327	54747	116763	217993
CONC':	0.595	1.68	4.66	9.43	23.6	51.3	99.7
R.T.:		24.4863	24.4949	24.4808	24.4785	24.4761	24.4715

CONC = 5.9471E-01+ 4.0973E-04*RESP+ 2.0663E-10*RESP**2+ *RESP**3
95% C.I.= 1.2219E+00 4.0674E-05 1.8675E-10
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=312772 %RSD=3.684 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3350	15521	32625	78398	168598	312772
CONC':	0.472	1.42	4.89	9.83	23.3	51.3	99.7
R.T.:		24.6512	24.6564	24.6477	24.6481	24.6490	24.6445

CONC = 4.7187E-01+ 2.8318E-04*RESP+ 1.0916E-10*RESP**2+ *RESP**3
95% C.I.= 1.2640E+00 2.9168E-05 9.3235E-11
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.2 DATE: 04/28/94 LARGEST RESP=265253 %RSD=11.2045 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2217	10630	24141	58804	142655	265253
CONC':	1.12	1.89	4.81	9.53	21.8	52.4	99.5
R.T.:		25.1559	25.1637	25.1512	25.1512	25.1513	25.1485

CONC = 1.1222E+00+ 3.4601E-04*RESP+ 9.3363E-11*RESP**2- *RESP**3
95% C.I.= 2.3708E+00 6.7318E-05 2.5482E-10
CORRELATION COEFFICIENT = .9988

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=326268 %RSD=7.1398 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2920	17041	35324	87182	177550	326268
CONC':	0.430	1.19	4.89	9.76	24.1	50.8	99.8
R.T.:		25.4165	25.4224	25.4098	25.4129	25.4132	25.4077

CONC = 4.2994E-01+ 2.5913E-04*RESP+ 1.3944E-10*RESP**2+ *RESP**3
95% C.I.= 7.7428E-01 1.6823E-05 5.1608E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/28/94 LARGEST RESP=293863 %RSD=5.4544 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2830	13711	29706	74944	160627	293863
CONC':	0.719	1.54	4.73	9.49	23.4	51.5	99.7
R.T.:		25.6955	25.7021	25.6890	25.6909	25.6934	25.6882

CONC = 7.1907E-01+ 2.9065E-04*RESP+ 1.5685E-10*RESP**2+ *RESP**3
95% C.I.= 1.3707E+00 3.3712E-05 1.2507E-10
CORRELATION COEFFICIENT = .9996

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.8 DATE: 04/28/94 LARGEST RESP=111155 %RSD=11.9836 RT WINDOW:

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CONC :	0	1	5	10	25	50	100
RESP :	0	1004	4963	11490	28090	68226	111155
CONC':	1.73	2.33	4.76	8.92	20.5	54.0	98.8
R.T.:		27.1435	27.1517	27.1380	27.1362	27.1365	27.1317

CONC = 1.7255E+00+ 5.9739E-04*RESP+ 1.4810E-09*RESP**2+ *RESP**3
95% C.I.= 3.7181E+00 2.4883E-04 1.2702E-09
CORRELATION COEFFICIENT = .9972

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.005 DATE: 04/28/94 LARGEST RESP=1397565 %RSD=7.4769 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	16370	69922	158125	387020	830402	1397565
CONC':	0.004	0.007	0.018	0.037	0.090	0.210	0.397
R.T.:		31.0308	31.0431	31.0202	31.0272	31.0257	31.0209

CONC = 4.1743E-03+ 1.9838E-07*RESP+ 5.9352E-14*RESP**2+ *RESP**3
95% C.I.= 8.9500E-03 4.5625E-08 3.2936E-14
CORRELATION COEFFICIENT = .9990

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=20 DATE: 04/28/94 LARGEST RESP=1283987 %RSD=6.8928 RT WINDOW:

CONC :	0	20	50	100	200	500	1000	2000
RESP :	0	11532	36013	67825	127742	342375	668052	1283987
CONC':	3.30	19.8	54.8	101	187	504	1000	2000

CONC = 3.2983E+00+ 1.4273E-03*RESP+ 9.9227E-11*RESP**2+ *RESP**3
95% C.I.= 6.5745E+00 3.9544E-05 3.1129E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=20 DATE: 04/28/94 LARGEST RESP=1945727 %RSD=7.9936 RT WINDOW:

CONC :	0	20	50	100	200	500	1000	2000
RESP :	0	22531	57791	111736	205737	510437	933834	1945727
CONC':	-12.5	11.7	49.4	107	207	530	973	2000

CONC = -1.2495E+01+ 1.0724E-03*RESP+ -1.8482E-11*RESP**2+ *RESP**3
95% C.I.= 2.0519E+01 8.1089E-05 4.1652E-11
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/28/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/28/94 LARGEST RESP=300941 %RSD= RT WINDOW:

CONC :	500	
RESP :	300941	

ESE BATCH : G48561
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: 04/28/94 LARGEST RESP=676720 %RSD= RT WINDOW:
CONC : 500
RESP : 676720
CONC':

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

ESE BATCH : G48561

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/29/94	CCS*IND6*1	39076*8080/3540-G	BHC,A	UG/KG-	461000	504000	109	80-120
04/29/94	CCS*IND6*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	489000	533000	109	80-120
04/29/94	CCS*IND6*1	34262*8080/3540-G	BHC,D	UG/KG-	310000	353000	114	80-120
04/29/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	623000	665000	107	80-120
04/29/94	CCS*IND6*1	34257*8080/3540-G	BHC,B	UG/KG-	272000	296000	109	80-120
04/29/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	691000	697000	101	80-120
04/29/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	613000	628000	102	80-120
04/29/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	519000	531000	102	80-120
04/29/94	CCS*IND6*1	39321*8080/3540-G	DDE,PP'	UG/KG-	460000	499000	108	80-120
04/29/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	538000	558000	104	80-120
04/29/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	296000	321000	108	80-120
04/29/94	CCS*IND6*1	39311*8080/3540-G	DDD,PP'	UG/KG-	218000	246000	113	80-120
04/29/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	313000	336000	107	80-120
04/29/94	CCS*IND6*1	39301*8080/3540-G	DDT,PP'	UG/KG-	265000	295000	111	80-120
04/29/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	326000	344000	106	80-120
04/29/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	294000	318000	108	80-120
04/29/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	111000	121000	109	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/29/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
04/29/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
04/29/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
04/29/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
04/29/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
04/29/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
04/29/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
04/29/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
04/29/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
04/29/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
04/29/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
04/29/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
04/29/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN B	UG/KG-	ND
04/29/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
04/29/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
04/29/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
04/29/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
04/29/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
04/29/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
04/29/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
04/29/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
04/29/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
04/29/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
04/29/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
04/29/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
04/29/94	MB*QC*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
04/29/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	86.5	45-129	UG/KG-	33.3	28.8
04/29/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	78.4	30-148	UG/KG-	33.3	26.1
04/29/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	78.1	53-133	UG/KG-	33.3	26.0
04/29/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	89.5	46-140	UG/KG-	66.7	59.7
04/29/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	91.2	52-126	UG/KG-	66.7	60.8
04/29/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND

ESE BATCH : G48561

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/29/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	95.7	37-155	UG/KG-	66.7	63.8
04/29/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
04/29/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
04/29/94	SP1*QC*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
04/29/94	SPM1*CDMHNSS*14	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39783*8080/3540-G	BHC,G(LINDANE)	79.3	45-129	0.523	UG/KG-	35.2	27.9
04/29/94	SPM1*CDMHNSS*14	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39413*8080/3540-G	HEPTACHLOR	73.9	30-148	0.422	UG/KG-	35.2	26.0
04/29/94	SPM1*CDMHNSS*14	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39333*8080/3540-G	ALDRIN	72.2	53-133	0.781	UG/KG-	35.2	25.4
04/29/94	SPM1*CDMHNSS*14	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39383*8080/3540-G	DIELDRIN	85.2	46-140	0.645	UG/KG-	70.5	60.1
04/29/94	SPM1*CDMHNSS*14	39393*8080/3540-G	ENDRIN	84.3	52-126	0.559	UG/KG-	70.5	59.4
04/29/94	SPM1*CDMHNSS*14	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39301*8080/3540-G	DDT,PP'	90.9	37-155	0.791	UG/KG-	70.5	64.1
04/29/94	SPM1*CDMHNSS*14	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
04/29/94	SPM1*CDMHNSS*14	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39783*8080/3540-G	BHC,G(LINDANE)	88.9	45-129	0.523	UG/KG-	35.2	31.3
04/29/94	SPM2*CDMHNSS*14	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39413*8080/3540-G	HEPTACHLOR	83.8	30-148	0.422	UG/KG-	35.2	29.5
04/29/94	SPM2*CDMHNSS*14	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39333*8080/3540-G	ALDRIN	81.3	53-133	0.781	UG/KG-	35.2	28.6
04/29/94	SPM2*CDMHNSS*14	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39383*8080/3540-G	DIELDRIN	96.0	46-140	0.645	UG/KG-	70.5	67.7
04/29/94	SPM2*CDMHNSS*14	39393*8080/3540-G	ENDRIN	95.7	52-126	0.559	UG/KG-	70.5	67.5
04/29/94	SPM2*CDMHNSS*14	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39301*8080/3540-G	DDT,PP'	93.6	37-155	0.791	UG/KG-	70.5	66.0
04/29/94	SPM2*CDMHNSS*14	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
04/29/94	SPM2*CDMHNSS*14	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND

ESE BATCH : G48561

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/29/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.056	83.6	67-119
04/29/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.052	77.6	51-169
04/29/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.053	79.1	67-119
04/29/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.051	76.1	51-169
04/29/94	SPM1*CDMHNSS*14	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.049	73.1	67-119
04/29/94	SPM1*CDMHNSS*14	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.048	71.6	51-169
04/29/94	SPM2*CDMHNSS*14	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.055	82.1	67-119
04/29/94	SPM2*CDMHNSS*14	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.054	80.6	51-169
04/29/94	DA*CDMHNSS*13	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.043	64.2	67-119
04/29/94	DA*CDMHNSS*13	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.042	62.7	51-169
04/29/94	DA*CDMHNSS*14	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.052	77.6	67-119
04/29/94	DA*CDMHNSS*14	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.049	73.1	51-169
04/29/94	DA*CDMHNSS*15	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.049	73.1	67-119
04/29/94	DA*CDMHNSS*15	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.051	76.1	51-169
04/29/94	DA*CDMHNSS*16	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.046	68.7	67-119
04/29/94	DA*CDMHNSS*16	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.052	77.6	51-169
04/29/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2100000	2110000	100	67-119
04/29/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	1400000	1510000	108	51-169

ESE BATCH : G48561

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48561 Analysis Date 04/28/94 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		
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	TCX _____
			DCB? _____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: BRAD WEICHERT 1569
PROB.:SURROGATE NOT WITHIN ACCEPTANCE
CRITERIA.
EXPL.:DCBP OK./GA

ESE BATCH : G48561

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 : G48654
CLASSIFICATION : CHL. PESTS - EPA 8080/1540 (SCX)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : ABRAHAM JACOB
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 05/20/94 07:41:39
ANALYSIS DATE : 04/30/94
EXTRACT DATE : 04/29/94

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*17	EA14-1-01	05/01/94	01:51PM
CDMHNSS*18	EA14-2-01	05/01/94	02:40PM
CDMHNSS*19	EA12-1-10	05/01/94	03:28PM
CDMHNSS*20	EA12-2-12	05/01/94	04:17PM

ESE BATCH : G48654

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: 04/30/94 LARGEST RESP=2116578 %RSD=7.0639 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	19328	97945	205601	581019	1098814	2116578
CONC':	0.002	0.005	0.018	0.037	0.103	0.199	0.400
R.T.:		11.1886	11.1881	11.1869	11.1804	11.1773	11.1753

CONC = 1.6534E-03+ 1.6977E-07*RESP+ 8.7372E-15*RESP**2- *RESP**3
95% C.I.= 2.9553E-03 9.9010E-09 4.6775E-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: 04/30/94 LARGEST RESP=408461 %RSD=7.9363 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3919	17411	33440	87066	178125	408461
CONC':	-.196	1.01	5.11	9.91	25.4	49.7	100
R.T.:		13.9653	13.9674	13.9682	13.9665	13.9665	13.9651

CONC = -1.9619E-01+ 3.0728E-04*RESP+ -1.5155E-10*RESP**2- *RESP**3
95% C.I.= 3.0437E-01 5.7321E-06 1.3798E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=444433 %RSD=8.3725 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4137	18449	35569	93628	198940	444433
CONC':	-.029	1.12	5.08	9.75	25.1	50.0	100.0
R.T.:		15.5858	15.5862	15.5865	15.5861	15.5850	15.5853

CONC = -2.9373E-02+ 2.7936E-04*RESP+ -1.2218E-10*RESP**2+ *RESP**3
95% C.I.= 1.6408E-01 2.8480E-06 6.3112E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=291427 %RSD=7.2634 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3056	13390	25572	64718	132580	291427
CONC':	-.228	1.01	5.17	10.0	25.2	49.9	100
R.T.:		17.4168	17.4166	17.4166	17.4141	17.4118	17.4123

CONC = -2.2800E-01+ 4.0597E-04*RESP+ -2.1265E-10*RESP**2+ *RESP**3
95% C.I.= 1.9889E-01 5.1429E-06 1.7387E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=627481 %RSD=7.2128 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6228	27301	53503	135606	284527	627481
CONC':	-.080	1.10	5.08	9.97	24.8	50.1	100.0
R.T.:		16.9014	16.9032	16.9022	16.9026	16.9024	16.9025

CONC = -7.9540E-02+ 1.9041E-04*RESP+ -4.9305E-11*RESP**2+ *RESP**3
95% C.I.= 1.4074E-01 1.7062E-06 2.6811E-12
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: 04/30/94 LARGEST RESP=259731 %RSD=3.0989 RT WINDOW

CONC :	0	1	5	10	25	50	100
RESP :	0	2497	12118	23776	62802	125781	259731

ESE BATCH : G48654

CONC':	0.063	1.08	4.94	9.69	25.3	49.9	100
R.T.:		15.9113	15.9104	15.9110	15.9080	15.9048	15.9045

CONC = 6.2715E-02+ 4.0690E-04*RESP+ -8.5035E-11*RESP**2+ *RESP**3
95% C.I.= 2.4857E-01 7.0173E-06 1.6790E-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: 04/30/94 LARGEST RESP=701462 %RSD=17.1932 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5469	22914	45158	125106	280671	701462
CONC':	0.355	1.46	4.97	9.35	24.4	50.5	99.9
R.T.:		18.2536	18.2531	18.2537	18.2554	18.2558	18.2557

CONC = 3.5519E-01+ 2.0320E-04*RESP+ -8.7299E-11*RESP**2+ *RESP**3
95% C.I.= 6.3321E-01 7.4652E-06 1.0449E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=609821 %RSD=10.7113 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5367	23517	46045	122394	264626	609821
CONC':	0.145	1.27	5.03	9.63	24.7	50.3	100.0
R.T.:		20.5701	20.5696	20.5696	20.5708	20.5716	20.5726

CONC = 1.4497E-01+ 2.0946E-04*RESP+ -7.5078E-11*RESP**2+ *RESP**3
95% C.I.= 3.6801E-01 4.7380E-06 7.6531E-12
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: 04/30/94 LARGEST RESP=504214 %RSD=9.8494 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4606	20146	39854	98866	214256	504214
CONC':	-.116	1.08	5.09	10.1	24.7	50.1	100.0
R.T.:		22.0054	22.0046	22.0044	22.0064	22.0050	22.0059

CONC = -1.1595E-01+ 2.6113E-04*RESP+ -1.2415E-10*RESP**2+ *RESP**3
95% C.I.= 2.0127E-01 3.1449E-06 6.1251E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=491501 %RSD=12.3708 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4147	18534	36033	92133	213755	491501
CONC':	0.347	1.44	5.18	9.67	23.5	51.0	99.9
R.T.:		22.9535	22.9537	22.9536	22.9492	22.9492	22.9499

CONC = 3.4695E-01+ 2.6312E-04*RESP+ -1.2335E-10*RESP**2+ *RESP**3
95% C.I.= 1.0220E+00 1.6593E-05 3.3289E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=547125 %RSD=15.6378 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4353	18660	36991	98386	227093	547125
CONC':	0.410	1.50	5.04	9.50	23.8	50.8	99.9
R.T.:		23.2364	23.2374	23.2379	23.2392	23.2394	23.2391

CONC = 4.1030E-01+ 2.5042E-04*RESP+ -1.2536E-10*RESP**2+ *RESP**3
95% C.I.= 8.8936E-01 1.3272E-05 2.3869E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=314915 %RSD=15.9979 RT WINDOW:

CONC :	0	1	5	10	25	50	100

ESE BATCH : G48654

RESP :	0	3254	11352	22381	60846	137659	314915
CONC':	0.326	1.64	4.90	9.50	24.0	50.8	99.9
R.T.:		24.2332	24.2330	24.2293	24.2315	24.2334	24.2335

CONC = 3.2647E-01+ 4.0568E-04*RESP+ -2.8426E-10*RESP**2+ *RESP**3
95% C.I.= 8.6337E-01 2.1734E-05 6.8075E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=237660 %RSD=17.9667 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2907	9805	19003	47169	107389	237660
CONC':	0.102	1.60	5.13	9.78	23.6	50.5	99.9
R.T.:		24.4731	24.4726	24.4696	24.4686	24.4683	24.4674

CONC = 1.0226E-01+ 5.1726E-04*RESP+ -4.1012E-10*RESP**2+ *RESP**3
95% C.I.= 1.0054E+00 3.2950E-05 1.3676E-10
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=293599 %RSD=15.2727 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3961	14580	28616	67066	142088	293599
CONC':	-.235	1.23	5.15	10.3	24.2	50.4	99.9
R.T.:		24.6455	24.6443	24.6394	24.6400	24.6402	24.6397

CONC = -2.3549E-01+ 3.7097E-04*RESP+ -1.0141E-10*RESP**2+ *RESP**3
95% C.I.= 5.8618E-01 1.4744E-05 4.9619E-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: 04/30/94 LARGEST RESP=299740 %RSD=15.1326 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2592	10660	21445	51975	130459	299740
CONC':	0.595	1.72	5.21	9.80	22.3	51.6	99.8
R.T.:		25.1476	25.1476	25.1422	25.1439	25.1428	25.1434

CONC = 5.9470E-01+ 4.3662E-04*RESP+ -3.5263E-10*RESP**2+ *RESP**3
95% C.I.= 1.7579E+00 4.7647E-05 1.5692E-10
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=387081 %RSD=18.2059 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2607	11312	29767	76846	156409	387081
CONC':	0.116	1.04	4.09	10.4	25.8	49.4	100
R.T.:		25.4167	25.4083	25.4024	25.4022	25.4031	25.4028

CONC = 1.1647E-01+ 3.5386E-04*RESP+ -2.4715E-10*RESP**2+ *RESP**3
95% C.I.= 7.8927E-01 1.6314E-05 4.1362E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=335042 %RSD=16.4374 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2033	16223	29697	67538	145797	335042
CONC':	-.349	0.425	5.78	10.8	24.3	50.1	100
R.T.:		25.6832	25.6851	25.6809	25.6832	25.6842	25.6849

CONC = -3.4923E-01+ 3.8153E-04*RESP+ -2.4473E-10*RESP**2+ *RESP**3
95% C.I.= 8.1703E-01 1.8863E-05 5.5253E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 04/30/94 LARGEST RESP=126837 %RSD=20.9441 RT WINDOW:

ESE BATCH : G48654

CONC :	0	1	5	10	25	50	100
RESP :	0	1119	6391	10006	24814	60569	126837
CONC':	0.036	1.05	5.59	9.03	22.0	51.5	99.8
R.T.:		27.1293	27.1300	27.1223	27.1238	27.1240	27.1235

CONC = 3.5924E-02+ 9.0878E-04*RESP+ -9.6615E-10*RESP**2+ *RESP**3
95% C.I.= 2.4625E+00 1.4918E-04 1.1614E-09
CORRELATION COEFFICIENT = .9988

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 04/30/94 LARGEST RESP=1607831 %RSD=14.9179 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	17098	65355	126608	293091	765024	1607831
CONC':	0.003	0.008	0.022	0.039	0.085	0.209	0.399
R.T.:		31.0162	31.0169	31.0075	31.0117	31.0132	31.0101

CONC = 2.8782E-03+ 2.8951E-07*RESP+ -2.7006E-14*RESP**2+ *RESP**3
95% C.I.= 9.7101E-03 4.7716E-08 2.9459E-14
CORRELATION COEFFICIENT = .9988

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 04/30/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/30/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=20 DATE: 04/30/94 LARGEST RESP=1283987 %RSD=6.8928 RT WINDOW:

CONC :	0	20	50	100	200	500	1000	2000
RESP :	0	11532	36013	67825	127742	342375	668052	1283987
CONC':	3.30	19.8	54.8	101	187	504	1000	2000

CONC = 3.2983E+00+ 1.4273E-03*RESP+ 9.9227E-11*RESP**2+ *RESP**3
95% C.I.= 6.5745E+00 3.9544E-05 3.1129E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=20 DATE: 04/30/94 LARGEST RESP=1945727 %RSD=7.9936 RT WINDOW:

CONC :	0	20	50	100	200	500	1000	2000
RESP :	0	22531	57791	111736	209737	510437	933834	1945727
CONC':	-12.5	11.7	49.4	107	207	530	973	2000

CONC = -1.2495E+01+ 1.0724E-03*RESP+ -1.8482E-11*RESP**2+ *RESP**3
95% C.I.= 2.0519E+01 8.1089E-05 4.1652E-11
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/30/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/30/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/30/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/30/94 LARGEST RESP=300941 %RSD= RT WINDOW:

CONC :	500	
RESP :	300941	

ESE BATCH G48654
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: 04/30/94 LARGEST RESP=676720 %RSD= RT WINDOW:
CONC : 500
RESP : 676720
CONC':

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

ESE BATCH : G48654

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/01/94	CCS*IND6*1	39076*8080/3540-G	BHC,A	UG/KG-	408000	483000	118	80-120
05/01/94	CCS*IND6*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	444000	512000	115	80-120
05/01/94	CCS*IND6*1	34262*8080/3540-G	BHC,D	UG/KG-	291000	334000	115	80-120
05/01/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	627000	661000	105	80-120
05/01/94	CCS*IND6*1	34257*8080/3540-G	BHC,B	UG/KG-	260000	283000	109	80-120
05/01/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	701000	695000	99.1	80-120
05/01/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	610000	627000	103	80-120
05/01/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	504000	526000	104	80-120
05/01/94	CCS*IND6*1	39321*8080/3540-G	DDE,PP'	UG/KG-	492000	478000	97.2	80-120
05/01/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	547000	558000	102	80-120
05/01/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	315000	315000	100.0	80-120
05/01/94	CCS*IND6*1	39311*8080/3540-G	DDD,PP'	UG/KG-	238000	236000	99.2	80-120
05/01/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	294000	335000	114	80-120
05/01/94	CCS*IND6*1	39301*8080/3540-G	DDT,PP'	UG/KG-	300000	297000	99.0	80-120
05/01/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	387000	349000	90.2	80-120
05/01/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	335000	326000	97.3	80-120
05/01/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	127000	129000	102	80-120
05/02/94	CCS*IND6*3	39076*8080/3540-G	BHC,A	UG/KG-	408000	446000	109	80-120
05/02/94	CCS*IND6*3	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	444000	474000	107	80-120
05/02/94	CCS*IND6*3	34262*8080/3540-G	BHC,D	UG/KG-	291000	294000	101	80-120
05/02/94	CCS*IND6*3	39413*8080/3540-G	HEPTACHLOR	UG/KG-	627000	624000	99.5	80-120
05/02/94	CCS*IND6*3	34257*8080/3540-G	BHC,B	UG/KG-	260000	259000	99.6	80-120
05/02/94	CCS*IND6*3	39333*8080/3540-G	ALDRIN	UG/KG-	701000	666000	95.0	80-120
05/02/94	CCS*IND6*3	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	610000	592000	97.0	80-120
05/02/94	CCS*IND6*3	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	504000	492000	97.6	80-120
05/02/94	CCS*IND6*3	39321*8080/3540-G	DDE,PP'	UG/KG-	492000	412000	83.7	80-120
05/02/94	CCS*IND6*3	39383*8080/3540-G	DIELDRIN	UG/KG-	547000	528000	96.5	80-120
05/02/94	CCS*IND6*3	39393*8080/3540-G	ENDRIN	UG/KG-	315000	280000	88.9	80-120
05/02/94	CCS*IND6*3	39311*8080/3540-G	DDD,PP'	UG/KG-	238000	198000	83.2	80-120
05/02/94	CCS*IND6*3	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	294000	308000	105	80-120
05/02/94	CCS*IND6*3	39301*8080/3540-G	DDT,PP'	UG/KG-	300000	265000	88.3	80-120
05/02/94	CCS*IND6*3	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	387000	338000	87.3	80-120
05/02/94	CCS*IND6*3	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	335000	303000	90.4	80-120
05/02/94	CCS*IND6*3	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	127000	108000	85.0	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/01/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
05/01/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
05/01/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
05/01/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
05/01/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
05/01/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
05/01/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
05/01/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
05/01/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
05/01/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
05/01/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
05/01/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
05/01/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
05/01/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
05/01/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
05/01/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
05/01/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND

ESE BATCH : G48654

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/01/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
05/01/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
05/01/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
05/01/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
05/01/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
05/01/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
05/01/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
05/01/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
05/01/94	MB*QC*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
05/01/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	102.7	45-129	UG/KG-	33.3	34.2
05/01/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	100.3	30-148	UG/KG-	33.3	33.4
05/01/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	99.1	53-133	UG/KG-	33.3	33.0
05/01/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	95.1	46-140	UG/KG-	66.7	63.4
05/01/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	97.9	52-126	UG/KG-	66.7	65.3
05/01/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	99.0	37-155	UG/KG-	66.7	66.0
05/01/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
05/01/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
05/01/94	SP1*QC*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
05/01/94	SPM1*CDMHNSS*18	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39783*8080/3540-G	BHC,G(LINDANE)	120.8	45-129	0.0	UG/KG-	34.6	41.8
05/01/94	SPM1*CDMHNSS*18	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39413*8080/3540-G	HEPTACHLOR	112.7	30-148	0.0	UG/KG-	34.6	39.0
05/01/94	SPM1*CDMHNSS*18	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39333*8080/3540-G	ALDRIN	108.4	53-133	0.246	UG/KG-	34.6	37.5
05/01/94	SPM1*CDMHNSS*18	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39383*8080/3540-G	DIELDRIN	83.4	46-140	0.284	UG/KG-	69.2	57.7
05/01/94	SPM1*CDMHNSS*18	39393*8080/3540-G	ENDRIN	92.9	52-126	0.226	UG/KG-	69.2	64.3
05/01/94	SPM1*CDMHNSS*18	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39301*8080/3540-G	DDT,PP'	187.9	37-155	5600	UG/KG-	69.2	130
05/01/94	SPM1*CDMHNSS*18	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
05/01/94	SPM1*CDMHNSS*18	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39783*8080/3540-G	BHC,G(LINDANE	120.2	45-129	0.0	UG/KG-	34.6	41.6
05/01/94	SPM2*CDMHNSS*18	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39413*8080/3540-G	HEPTACHLOR	113.3	30-148	0.0	UG/KG-	34.6	39.2

ESE BATCH G48654

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/01/94	SPM2*CDMHNSS*18	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39333*8080/3540-G	ALDRIN	107.2	53-133	0.246	UG/KG-	34.6	37.1
05/01/94	SPM2*CDMHNSS*18	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39383*8080/3540-G	DIELDRIN	83.5	46-140	0.284	UG/KG-	69.2	57.8
05/01/94	SPM2*CDMHNSS*18	39393*8080/3540-G	ENDRIN	98.4	52-126	0.226	UG/KG-	69.2	68.1
05/01/94	SPM2*CDMHNSS*18	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39301*8080/3540-G	DDT,PP'	549.1	37-155	5600	UG/KG-	69.2	380
05/01/94	SPM2*CDMHNSS*18	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
05/01/94	SPM2*CDMHNSS*18	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
05/01/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.059	88.1	67-119
05/01/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.072	107	51-169
05/01/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.063	94.0	67-119
05/01/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.076	113	51-169
05/01/94	SPM1*CDMHNSS*18	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.069	103	67-119
05/01/94	SPM1*CDMHNSS*18	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.091	136	51-169
05/01/94	SPM2*CDMHNSS*18	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.068	101	67-119
05/01/94	SPM2*CDMHNSS*18	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.074	110	51-169
05/01/94	DA*CDMHNSS*17	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.060	89.6	67-119
05/01/94	DA*CDMHNSS*17	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.069	103	51-169
05/01/94	DA*CDMHNSS*18	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.060	89.6	67-119
05/01/94	DA*CDMHNSS*18	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.074	110	51-169
05/01/94	DA*CDMHNSS*19	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.066	98.5	67-119
05/01/94	DA*CDMHNSS*19	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.084	125	51-169
05/01/94	DA*CDMHNSS*20	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.060	89.6	67-119
05/01/94	DA*CDMHNSS*20	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.071	106	51-169
05/01/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2120000	2110000	99.5	67-119
05/01/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	1610000	1520000	94.4	51-169
05/02/94	CCS*IND6*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2120000	2010000	94.8	67-119
05/02/94	CCS*IND6*3	96343*SUR	DECACHLOROBIPHENYL	UG/G	1610000	1410000	87.6	51-169

ESE BATCH : G48654

Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G48654 Analysis Date: 04/10/94 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		
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	TCX _____
			DCBP _____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: BRAD WEICHERT 1569
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:LARGE AMOUNTS OF ANALYTE PRESENT
IN MATRIX, DILUTION ERRORS ARE
INEVITABLE./GA
PROB.:SAMPLE MATRIX SPIKE DUPLICATE NOT
WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./GA
HITS IN SAMPLES FOR DDT'S./EHM

ESE BATCH : G48654

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 : G48777
CLASSIFICATION : CHL. PESTS - CLP SOW CLM01.8

QC TYPE : FDER/SW
ANALYST : VICTOR BAUDER
EXTRACTOR : ABRAHAM JACOB
DATA ENTRY : CLP UPLOAD

REPORT DATE/TIME : 05/20/94 07:50:02
ANALYSIS DATE : 05/03/94
EXTRACT DATE : 05/03/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

BATCH NOTES
UPDATED - TO FINISH DATA./DRW 5/13

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*21	EA11-1-07	05/04/94	06:21PM

ESE BATCH : G48777

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 39076 METHOD: CLP90 alpha-BHC, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=1084672 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	18598	78690	394422
CONC':			
R.T.:	7.055	7.056	7.060

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=793595.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	41572	195105	975697
CONC':			
R.T.:	5.138	5.140	5.142

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

STORET: 34257 METHOD: CLP90 beta-BHC, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=566292 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	14120	54802	233806
CONC':			
R.T.:	8.459	8.460	8.460

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=150994(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	31720	123928	508705
CONC':			
R.T.:	7.906	7.910	7.910

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

STORET: 34262 METHOD: CLP90 delta-BHC, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=1019397 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	16724	66298	319372
CONC':			
R.T.:	9.736	9.738	9.738

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=212357(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	39604	166658	851448
CONC':			
R.T.:	8.608	8.612	8.613

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

ESE BATCH : G48777

STORET: 39783 METHOD: CLP90 gamma-BHC (Lindane), UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=420690.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	19305	80826	385278
CONC':			
R.T.:	8.236	8.238	8.241

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=760314.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	44284	199728	951291
CONC':			
R.T.:	5.946	5.948	5.951

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

STORET: 39413 METHOD: CLP90 Heptachlor, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=431933.00 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	30661	117825	485110
CONC':			
R.T.:	9.324	9.325	9.329

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=765681.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	69134	264532	1051005
CONC':			
R.T.:	6.413	6.413	6.415

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

STORET: 39333 METHOD: CLP90 Aldrin, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=1032530 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	21120	81941	394150
CONC':			
R.T.:	10.523	10.525	10.526

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=238481(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	47894	189574	867114
CONC':			
R.T.:	7.087	7.090	7.091

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

STORET: 39423 METHOD: CLP90 Heptachlor epoxide, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=432320.06 %RSD= RT WINDOW:

ESE BATCH : G48777

CONC :	5	20	80
RESP :	24371	90648	33'012
CONC':			
R.T.:	12.829	12.832	12.832

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=269363(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	59261	220421	895827
CONC':			
R.T.:	9.074	9.078	9.078

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

STORET: 34364 METHOD: CLP90 Endosulfan I, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=350246.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	21260	81602	337411
CONC':			
R.T.:	14.325	14.327	14.329

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=643625.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	52838	205093	825350
CONC':			
R.T.:	9.951	9.953	9.953

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

STORET: 39383 METHOD: CLP90 Dieldrin, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=735074.00 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	38928	160710	814658
CONC':			
R.T.:	15.516	15.517	15.522

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=1326938.50 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	93871	385352	1716438
CONC':			
R.T.:	11.301	11.302	11.304

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

STORET: 39321 METHOD: CLP90 4,4'-DDE, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=786312.50 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	35858	147212	793062
CONC':			
R.T.:	15.334	15.337	15.339

ESE BATCH : G48777
CONC = + *RESP+ *RESP**2+ *RESP**3
95% C.I.=
CORRELATION COEFFICIENT =

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=452598(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	79794	323034	1559231
CONC':			
R.T.:	10.850	10.855	10.856

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

STORET: 39393 METHOD: CLP90 Endrin, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=746274.75 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	34168	143480	728584
CONC':			
R.T.:	16.777	16.779	16.784

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=1361522.00 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	90998	373654	1650051
CONC':			
R.T.:	12.050	12.050	12.052

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

STORET: 34359 METHOD: CLP90 Endosulfan II, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=137'2087 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	37504	144555	655451
CONC':			
R.T.:	17.384	17.386	17.386

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=1417602(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	102385	389771	1618217
CONC':			
R.T.:	14.102	14.105	14.106

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

STORET: 39311 METHOD: CLP90 4,4'-DDD, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=506672.00 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	27814	119080	590820
CONC':			
R.T.:	17.258	17.258	17.261

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

CALIBRATION CURVE # 2

ESE BATCH . G48777
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=339752(USER DEFINED) %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 60967 260688 1248503
CONC':
R.T.: 14.088 14.091 14.093

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

STORET: 34354 METHOD: CLP90 Endosulfan sulfate, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=675025.44 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 40390 160895 730811
CONC':
R.T.: 18.773 18.775 18.777

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=1253101(USER DEFINED) %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 89692 344332 1447794
CONC':
R.T.: 16.619 16.622 16.622

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

STORET: 39301 METHOD: CLP90 4,4'-DDT, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=628171.13 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 35036 153544 767228
CONC':
R.T.: 18.172 18.174 18.179

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=920446.50 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 75149 324556 1484678
CONC':
R.T.: 14.697 14.701 14.703

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

STORET: 39481 METHOD: CLP90 Methoxychlor, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=50 DATE: 05/04/94 LARGEST RESP=1684549.00 %RSD= RT WINDOW:
CONC : 50 200 800
RESP : 140040 624603 2535818
CONC':
R.T.: 20.661 20.664 20.664

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

CALIBRATION CURVE # 2
DETECTION LIMIT=50 DATE: 05/04/94 LARGEST RESP=3130260.75 %RSD= RT WINDOW:
CONC : 50 200 800
RESP : 286871 1128506 3978888
CONC':
R.T.: 16.863 16.865 16.865

ESE BATCH : G48777

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

STORET: 98591 METHOD: CLP90 Endrin ketone, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=812739.38 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	36941	153399	721417
CONC':			
R.T.:	20.899	20.899	20.900

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=1362709(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	86150	366688	1611873
CONC':			
R.T.:	17.725	17.728	17.730

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

STORET: 34369 METHOD: CLP90 Endrin aldehyde, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=520752.91 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	31543	122637	502572
CONC':			
R.T.:	18.410	18.413	18.413

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=932645(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	56573	284953	1096229
CONC':			
R.T.:	15.600	15.602	15.604

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

STORET: 97501 METHOD: CLP90 alpha-Chlordane, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=327195 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	27858	106734	461066
CONC':			
R.T.:	14.244	14.247	14.247

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=345818(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	62552	234583	943758
CONC':			
R.T.:	10.402	10.406	10.405

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

ESE BATCH : G48777

STORET: 39811 METHOD: CLP90 gamma-Chlordane, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=329703(USER DEFINED) %RSD= RT WINDOW:
CONC : 5 20 80
RESP : 29291 108566 446102
CONC':
R.T.: 13.541 13.545 13.543

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=277097(USER DEFINED) %RSD= RT WINDOW:
CONC : 5 20 80
RESP : 65456 239146 941911
CONC':
R.T.: 10.205 10.209 10.208

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

STORET: 39403 METHOD: CLP90 Toxaphene, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=500 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39514 METHOD: CLP90 Aroclor-1016, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/03/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/03/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39491 METHOD: CLP90 Aroclor-1221, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=200 DATE: 05/03/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=200 DATE: 05/03/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39495 METHOD: CLP90 Aroclor-1232, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/03/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/03/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39499 METHOD: CLP90 Aroclor-1242, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/03/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39503 METHOD: CLP90 Aroclor-1248, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39507 METHOD: CLP90 Aroclor-1254, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48777
CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 39511 METHOD: CLP90 Aroclor-1260, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/03/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/03/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 96999 METHOD: SUR TETRACHLORO-M-XYLENE (CLP90), UG/KG MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=418747(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	5	20	20	80	80
RESP :	22358	22481	93904	92048	416956	418747
CONC':						
R.T.:	5.352	5.352	5.353	5.353	5.354	5.354

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP=733757(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	5	20	20	80	80
RESP :	52432	52423	191580	188729	728390	733757
CONC':						
R.T.:	3.717	3.717	3.718	3.719	3.719	3.718

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

STORET: 95000 METHOD: SUR DECACHLOROBIPHENYL, UG/KG MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=898788(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	10	40	40	160	160
RESP :	57718	58425	223323	216484	886076	898788
CONC':						
R.T.:	25.157	25.158	25.157	25.160	25.164	25.163

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/04/94 LARGEST RESP=1828653(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	10	40	40	160	160
RESP :	138812	141892	519037	512864	1823640	1828653
CONC':						
R.T.:	19.912	19.914	19.914	19.915	19.913	19.916

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

ESE BATCH : G48777

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/04/94	CCS*INDAM*2	39076*CLP90	alpha-BHC	UG/KG-	20.0	19.9	99.5	80-120
05/04/94	CCS*INDAM*2	34257*CLP90	beta-BHC	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	34262*CLP90	delta-BHC	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	20.0	20.0	100.0	80-120
05/04/94	CCS*INDAM*2	39413*CLP90	Heptachlor	UG/KG-	20.0	19.9	99.5	80-120
05/04/94	CCS*INDAM*2	39333*CLP90	Aldrin	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39423*CLP90	Heptachlor epoxide	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	34364*CLP90	Endosulfan I	UG/KG-	20.0	20.1	101	80-120
05/04/94	CCS*INDAM*2	39383*CLP90	Dieldrin	UG/KG-	40.0	40.1	100	80-120
05/04/94	CCS*INDAM*2	39321*CLP90	4,4'-DDE	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39393*CLP90	Endrin	UG/KG-	40.0	40.0	100.0	80-120
05/04/94	CCS*INDAM*2	34359*CLP90	Endosulfan II	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39311*CLP90	4,4'-DDD	UG/KG-	40.0	39.9	99.8	80-120
05/04/94	CCS*INDAM*2	34354*CLP90	Endosulfan sulfate	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39301*CLP90	4,4'-DDT	UG/KG-	40.0	39.8	99.5	80-120
05/04/94	CCS*INDAM*2	39481*CLP90	Methoxychlor	UG/KG-	200	199	99.5	80-120
05/04/94	CCS*INDAM*2	98591*CLP90	Endrin ketone	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	34369*CLP90	Endrin aldehyde	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	97501*CLP90	alpha-Chlordane	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39811*CLP90	gamma-Chlordane	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39076*CLP90	alpha-BHC	UG/KG-	20.0	20.0	100.0	80-120
05/04/94	CCS*INDAM*2*C	34257*CLP90	beta-BHC	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	34262*CLP90	delta-BHC	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	20.0	20.0	100.0	80-120
05/04/94	CCS*INDAM*2*C	39413*CLP90	Heptachlor	UG/KG-	20.0	19.9	99.5	80-120
05/04/94	CCS*INDAM*2*C	39333*CLP90	Aldrin	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39423*CLP90	Heptachlor epoxide	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	34364*CLP90	Endosulfan I	UG/KG-	20.0	20.0	100.0	80-120
05/04/94	CCS*INDAM*2*C	39383*CLP90	Dieldrin	UG/KG-	40.0	39.9	99.8	80-120
05/04/94	CCS*INDAM*2*C	39321*CLP90	4,4'-DDE	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39393*CLP90	Endrin	UG/KG-	40.0	39.7	99.3	80-120
05/04/94	CCS*INDAM*2*C	34359*CLP90	Endosulfan II	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39311*CLP90	4,4'-DDD	UG/KG-	40.0	40.2	101	80-120
05/04/94	CCS*INDAM*2*C	34354*CLP90	Endosulfan sulfate	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39301*CLP90	4,4'-DDT	UG/KG-	40.0	39.5	98.8	80-120
05/04/94	CCS*INDAM*2*C	39481*CLP90	Methoxychlor	UG/KG-	200	198	99.0	80-120
05/04/94	CCS*INDAM*2*C	98591*CLP90	Endrin ketone	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	34369*CLP90	Endrin aldehyde	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	97501*CLP90	alpha-Chlordane	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39811*CLP90	gamma-Chlordane	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/04/94	CCS*INDAM*2*C	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39076*CLP90	alpha-BHC	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	34257*CLP90	beta-BHC	UG/KG-	20.0	20.5	103	80-120
05/04/94	CCS*INDBM*2	34262*CLP90	delta-BHC	UG/KG-	20.0	20.5	103	80-120
05/04/94	CCS*INDBM*2	39783*CLP90	gamma-BHC (Lindane	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39413*CLP90	Heptachlor	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39333*CLP90	Aldrin	UG/KG-	20.0	20.5	103	80-120
05/04/94	CCS*INDBM*2	39423*CLP90	Heptachlor epoxide	UG/KG-	20.0	20.6	103	80-120
05/04/94	CCS*INDBM*2	34364*CLP90	Endosulfan I	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39383*CLP90	Dieldrin	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39321*CLP90	4,4'-DDE	UG/KG-	40.0	41.3	103	80-120
05/04/94	CCS*INDBM*2	39393*CLP90	Endrin	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	34359*CLP90	Endosulfan II	UG/KG-	40.0	41.2	103	80-120
05/04/94	CCS*INDBM*2	39311*CLP90	4,4'-DDD	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	34354*CLP90	Endosulfan sulfate	UG/KG-	40.0	41.3	103	80-120
05/04/94	CCS*INDBM*2	39301*CLP90	4,4'-DDT	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39481*CLP90	Methoxychlor	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	98591*CLP90	Endrin ketone	UG/KG-	40.0	41.6	104	80-120

ESE BATCH : G48777

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/04/94	CCS*INDBM*2	34369*CLP90	Endrin aldehyde	UG/KG-	40.0	41.2	103	80-120
05/04/94	CCS*INDBM*2	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	20.6	103	80-120
05/04/94	CCS*INDBM*2	39811*CLP90	gamma-Chlordane	UG/KG	20.0	20.6	103	80 120
05/04/94	CCS*INDBM*2	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39076*CLP90	alpha-BHC	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	34257*CLP90	beta-BHC	UG/KG-	20.0	20.2	101	80-120
05/04/94	CCS*INDBM*2*C	34262*CLP90	delta-BHC	UG/KG-	20.0	20.4	102	80-120
05/04/94	CCS*INDBM*2*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39413*CLP90	Heptachlor	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39333*CLP90	Aldrin	UG/KG-	20.0	20.2	101	80-120
05/04/94	CCS*INDBM*2*C	39423*CLP90	Heptachlor epoxide	UG/KG-	20.0	20.3	102	80-120
05/04/94	CCS*INDBM*2*C	34364*CLP90	Endosulfan I	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39383*CLP90	Dieldrin	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39321*CLP90	4,4'-DDE	UG/KG-	40.0	41.1	103	80-120
05/04/94	CCS*INDBM*2*C	39393*CLP90	Endrin	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	34359*CLP90	Endosulfan II	UG/KG-	40.0	40.6	102	80-120
05/04/94	CCS*INDBM*2*C	39311*CLP90	4,4'-DDD	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	34354*CLP90	Endosulfan sulfate	UG/KG-	40.0	40.7	102	80-120
05/04/94	CCS*INDBM*2*C	39301*CLP90	4,4'-DDT	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39481*CLP90	Methoxychlor	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	98591*CLP90	Endrin ketone	UG/KG-	40.0	40.6	102	80-120
05/04/94	CCS*INDBM*2*C	34369*CLP90	Endrin aldehyde	UG/KG-	40.0	35.2	88.0	80-120
05/04/94	CCS*INDBM*2*C	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	20.5	103	80-120
05/04/94	CCS*INDBM*2*C	39811*CLP90	gamma-Chlordane	UG/KG-	20.0	20.0	100.0	80-120
05/04/94	CCS*INDBM*2*C	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/04/94	CCS*INDBM*2*C	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/04/94	MB*QC*1	39076*CLP90	alpha-BHC	UG/KG-	ND
05/04/94	MB*QC*1	34257*CLP90	beta-BHC	UG/KG-	ND
05/04/94	MB*QC*1	34262*CLP90	delta-BHC	UG/KG-	ND
05/04/94	MB*QC*1	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	ND
05/04/94	MB*QC*1	39413*CLP90	Heptachlor	UG/KG-	ND
05/04/94	MB*QC*1	39333*CLP90	Aldrin	UG/KG-	ND
05/04/94	MB*QC*1	39423*CLP90	Heptachlor epoxide	UG/KG-	ND
05/04/94	MB*QC*1	34364*CLP90	Endosulfan I	UG/KG-	ND
05/04/94	MB*QC*1	39383*CLP90	Dieldrin	UG/KG-	ND
05/04/94	MB*QC*1	39321*CLP90	4,4'-DDE	UG/KG-	ND
05/04/94	MB*QC*1	39393*CLP90	Endrin	UG/KG-	ND
05/04/94	MB*QC*1	34359*CLP90	Endosulfan II	UG/KG-	ND
05/04/94	MB*QC*1	39311*CLP90	4,4'-DDD	UG/KG-	ND
05/04/94	MB*QC*1	34354*CLP90	Endosulfan sulfate	UG/KG-	ND
05/04/94	MB*QC*1	39301*CLP90	4,4'-DDT	UG/KG-	ND
05/04/94	MB*QC*1	39481*CLP90	Methoxychlor	UG/KG-	ND
05/04/94	MB*QC*1	98591*CLP90	Endrin ketone	UG/KG-	ND
05/04/94	MB*QC*1	34369*CLP90	Endrin aldehyde	UG/KG-	ND
05/04/94	MB*QC*1	97501*CLP90	alpha-Chlordane	UG/KG-	ND
05/04/94	MB*QC*1	39811*CLP90	gamma-Chlordane	UG/KG-	ND
05/04/94	MB*QC*1	39403*CLP90	Toxaphene	UG/KG-	ND
05/04/94	MB*QC*1	39514*CLP90	Aroclor-1016	UG/KG-	ND
05/04/94	MB*QC*1	39491*CLP90	Aroclor-1221	UG/KG-	ND
05/04/94	MB*QC*1	39495*CLP90	Aroclor-1232	UG/KG-	ND
05/04/94	MB*QC*1	39499*CLP90	Aroclor-1242	UG/KG-	ND
05/04/94	MB*QC*1	39503*CLP90	Aroclor-1248	UG/KG-	ND
05/04/94	MB*QC*1	39507*CLP90	Aroclor-1254	UG/KG-	ND
05/04/94	MB*QC*1	39511*CLP90	Aroclor-1260	UG/KG-	ND

ESE BATCH : G48777

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
05/04/94	SPM1*CDMHNSS*21	39076*CLP90	alpha-BHC		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	34257*CLP90	beta-BHC		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	34262*CLP90	delta-BHC		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39783*CLP90	gamma-BHC (Lindane)	75.1	46.5-126.5	0.0	UG/KG-	17.3	13.0
05/04/94	SPM1*CDMHNSS*21	39413*CLP90	Heptachlor	67.1	35.5-129.5	0.0	UG/KG-	17.3	11.6
05/04/94	SPM1*CDMHNSS*21	39333*CLP90	Aldrin	65.9	34-132	0.0	UG/KG-	17.3	11.4
05/04/94	SPM1*CDMHNSS*21	39423*CLP90	Heptachlor epoxide		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	34364*CLP90	Endosulfan I		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39383*CLP90	Dieldrin	73.5	31.5-133.5	0.0	UG/KG-	34.7	25.5
05/04/94	SPM1*CDMHNSS*21	39321*CLP90	4,4'-DDE		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39393*CLP90	Endrin	74.4	42.5-138.5	0.0	UG/KG-	34.7	25.8
05/04/94	SPM1*CDMHNSS*21	34359*CLP90	Endosulfan II		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39311*CLP90	4,4'-DDD		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	34354*CLP90	Endosulfan sulfate		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39301*CLP90	4,4'-DDT	76.9	23.5-133.5	0.0	UG/KG-	34.7	26.7
05/04/94	SPM1*CDMHNSS*21	39481*CLP90	Methoxychlor		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	98591*CLP90	Endrin ketone		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	34369*CLP90	Endrin aldehyde		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	97501*CLP90	alpha-Chlordane		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39811*CLP90	gamma-Chlordane		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39403*CLP90	Toxaphene		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39514*CLP90	Aroclor-1016		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39491*CLP90	Aroclor-1221		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39495*CLP90	Aroclor-1232		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39499*CLP90	Aroclor-1242		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39503*CLP90	Aroclor-1248		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39507*CLP90	Aroclor-1254		80-120	0.0	UG/KG-		ND
05/04/94	SPM1*CDMHNSS*21	39511*CLP90	Aroclor-1260		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39076*CLP90	alpha-BHC		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	34257*CLP90	beta-BHC		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	34262*CLP90	delta-BHC		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39783*CLP90	gamma-BHC (Lindane)	90.8	46.5-126.5	0.0	UG/KG-	17.3	15.7
05/04/94	SPM2*CDMHNSS*21	39413*CLP90	Heptachlor	82.7	35.5-129.5	0.0	UG/KG-	17.3	14.3
05/04/94	SPM2*CDMHNSS*21	39333*CLP90	Aldrin	80.3	34-132	0.0	UG/KG-	17.3	13.9
05/04/94	SPM2*CDMHNSS*21	39423*CLP90	Heptachlor epoxide		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	34364*CLP90	Endosulfan I		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39383*CLP90	Dieldrin	89.6	31.5-133.5	0.0	UG/KG-	34.7	31.1
05/04/94	SPM2*CDMHNSS*21	39393*CLP90	Endrin	89.3	42.5-138.5	0.0	UG/KG-	34.7	31.0
05/04/94	SPM2*CDMHNSS*21	34359*CLP90	Endosulfan II		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39311*CLP90	4,4'-DDD		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	34354*CLP90	Endosulfan sulfate		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39301*CLP90	4,4'-DDT	103.5	23.5-133.5	0.0	UG/KG-	34.7	35.9
05/04/94	SPM2*CDMHNSS*21	39481*CLP90	Methoxychlor		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	98591*CLP90	Endrin ketone		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	34369*CLP90	Endrin aldehyde		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	97501*CLP90	alpha-Chlordane		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39811*CLP90	gamma-Chlordane		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39403*CLP90	Toxaphene		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39514*CLP90	Aroclor-1016		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39491*CLP90	Aroclor-1221		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39495*CLP90	Aroclor-1232		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39499*CLP90	Aroclor-1242		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39503*CLP90	Aroclor-1248		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39507*CLP90	Aroclor-1254		80-120	0.0	UG/KG-		ND
05/04/94	SPM2*CDMHNSS*21	39511*CLP90	Aroclor-1260		80-120	0.0	UG/KG-		ND

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/04/94	CCS*INDAM*2	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	20.0	100.0	60-150
05/04/94	CCS*INDAM*2	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	39.6	99.0	60-150
05/04/94	CCS*INDAM*2*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.8	99.0	60-150
05/04/94	CCS*INDAM*2*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.1	100	60-150
05/04/94	CCS*INDBM*2	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	20.1	101	60-150
05/04/94	CCS*INDBM*2	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	39.8	99.5	60-150
05/04/94	CCS*INDBM*2*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.6	98.0	60-150
05/04/94	CCS*INDBM*2*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.3	101	60-150
05/04/94	MB*QC*1	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	9.90	74.4	60-150
05/04/94	MB*QC*1	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	13.0	97.7	60-150

ESE BATCH : G48777

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/04/94	DA*CDMHNSS*21	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	13.1	98.5	60-150
05/04/94	DA*CDMHNSS*21	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	13.4	101	60-150
05/04/94	SPM1*CDMHNSS*21	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	9.71	73.0	60-150
05/04/94	SPM1*CDMHNSS*21	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	10.3	77.4	60-150
05/04/94	SPM2*CDMHNSS*21	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	11.3	85.0	60-150
05/04/94	SPM2*CDMHNSS*21	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	12.2	91.7	60-150

ESE BATCH : G48777

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48777 Analysis Date: 05/03/94 Analyst: VICTOR BAUDER

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?		X	
Standard matrix spike within acceptance criteria?			
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	TCX
			DCBP

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: BRAD WEICHERT 1569
PROB.:STANDARD MATRIX SPIKE NOT PRESENT.
EXPL.:NA./VB
PROB.:SAMPLE MATRIX SPIKE NOT PRESENT.
EXPL.:WILL BE ADDED TO FINAL DATA./VSB

ESE BATCH G48777

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 : G48806
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOX)

QC TYPE	: FDER/SW	REPORT DATE/TIME	: 05/20/94 07:43:01
ANALYST	: GREG AYOUB	ANALYSIS DATE	: 05/04/94
EXTRACTOR	: DONNA CREWS	EXTRACT DATE	: 05/03/94
DATA ENTRY	: GREG AYOUB		

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*22	EA01-1-10	05/05/94	04:52AM

ESE BATCH : G48806

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: 05/04/94 LARGEST RESP=2138740 %RSD=10.4912 RT WINDOW:

CONC :	0	.004	.020	.040	100	.200	.400
RESP :	0	18168	88876	180302	530893	1124299	2138740
CONC':	0.004	0.007	0.019	0.035	0.096	0.204	0.399
R.T.:		11.1993	11.1984	11.1971	11.1853	11.1791	11.1759

CONC = 3.6560E-03+ 1.7145E-07*RESP+ 6.2762E-15*RESP**2+ *RESP**3
95% C.I.= 4.9830E-03 1.7121E-08 8.0323E-15
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=389071 %RSD=10.1287 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3683	16053	29981	78478	174157	389071
CONC':	0.188	1.35	5.24	9.55	24.1	50.7	99.9
R.T.:		13.9708	13.9732	13.9732	13.9695	13.9667	13.9641

CONC = 1.8796E-01+ 3.1698E-04*RESP+ -1.5597E-10*RESP**2+ *RESP**3
95% C.I.= 7.1144E-01 1.4243E-05 3.6126E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=420547 %RSD=10.2993 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3831	17044	31786	85145	189826	420547
CONC':	0.308	1.42	5.21	9.38	24.0	50.7	99.9
R.T.:		15.5903	15.5931	15.5921	15.5880	15.5855	15.5848

CONC = 3.0823E-01+ 2.8951E-04*RESP+ -1.2537E-10*RESP**2+ *RESP**3
95% C.I.= 8.0694E-01 1.4938E-05 3.5101E-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: 05/04/94 LARGEST RESP=278750 %RSD=7.1403 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2616	11863	23108	60827	130563	278750
CONC':	0.224	1.29	5.05	9.58	24.4	50.5	99.9
R.T.:		17.4236	17.4272	17.4233	17.4183	17.4124	17.4128

CONC = 2.2391E-01+ 4.0921E-04*RESP+ -1.8493E-10*RESP**2+ *RESP**3
95% C.I.= 5.2335E-01 1.4235E-05 5.0563E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=626506 %RSD=9.8124 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5905	25690	48793	128821	289539	626506
CONC':	0.362	1.47	5.16	9.43	23.8	50.9	99.9
R.T.:		16.9043	16.9063	16.9071	16.9038	16.9026	16.9026

CONC = 3.6221E-01+ 1.8807E-04*RESP+ -4.6693E-11*RESP**2+ *RESP**3
95% C.I.= 9.4359E-01 1.1634E-05 1.8382E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=244826 %RSD=7.1492 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2170	10453	20774	57469	120314	244826

ESE BATCH : G48806

CONC':	0.443	1.36	4.87	9.23	24.8	50.4	99.9
R.T.:		15.9190	15.9205	15.9187	15.9114	15.9061	15.9053

CONC = 4.4346E-01+ 4.2430E-04*RESP+ -7.3530E-11*RESP**2+ *RESP**3
95% C.I.= 6.0542E-01 1.8337E-05 7.4545E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=708359 %RSD=21.4913 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4973	21254	41347	119107	289322	708359
CONC':	0.870	1.85	5.04	8.91	23.3	51.2	99.9
R.T.:		18.2550	18.2565	18.2571	18.2555	18.2546	18.2553

CONC = 8.7018E-01+ 1.9775E-04*RESP+ -8.1904E-11*RESP**2+ *RESP**3
95% C.I.= 1.4317E+00 1.6919E-05 2.3549E-11
CORRELATION COEFFICIENT = .9996

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=612914 %RSD=14.0434 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5114	22239	42371	116317	270506	612914
CONC':	0.577	1.63	5.13	9.18	23.6	51.1	99.8
R.T.:		20.5717	20.5735	20.5743	20.5721	20.5715	20.5706

CONC = 5.7698E-01+ 2.0612E-04*RESP+ -7.2037E-11*RESP**2+ *RESP**3
95% C.I.= 1.1617E+00 1.5102E-05 2.4358E-11
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=503213 %RSD=11.6493 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4362	19496	37630	94525	216887	503213
CONC':	0.207	1.34	5.23	9.82	23.7	50.8	99.9
R.T.:		22.0062	22.0087	22.0099	22.0063	22.0052	22.0062

CONC = 2.0733E-01+ 2.6006E-04*RESP+ -1.2313E-10*RESP**2+ *RESP**3
95% C.I.= 8.9086E-01 1.4122E-05 2.7632E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=487394 %RSD=16.4032 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3710	16436	32800	91334	217848	487394
CONC':	0.829	1.77	4.99	9.07	23.2	51.3	99.8
R.T.:		22.9578	22.9659	22.9644	22.9541	22.9512	22.9521

CONC = 8.2873E-01+ 2.5488E-04*RESP+ -1.0629E-10*RESP**2+ *RESP**3
95% C.I.= 1.4300E+00 2.3449E-05 4.7680E-11
CORRELATION COEFFICIENT = .9996

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=569950 %RSD=20.1359 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4062	17801	34567	96449	236558	569950
CONC':	0.839	1.82	5.10	9.05	23.0	51.3	99.8
R.T.:		23.2388	23.2397	23.2413	23.2397	23.2401	23.2401

CONC = 8.3944E-01+ 2.4161E-04*RESP+ -1.1918E-10*RESP**2+ *RESP**3
95% C.I.= 1.5046E+00 2.1949E-05 3.7991E-11
CORRELATION COEFFICIENT = .9995

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.1 DATE: 05/04/94 LARGEST RESP=324895 %RSD=18.5298 RT WINDOW:

CONC :	0	1	5	10	25	50	100

ESE BATCH : G48806

RESP :	0	2428	10485	20057	59948	148038	324895
CONC':	1.10	2.00	4.09	8.82	22.7	51.7	99.7
R.T.:		24.2342	24.2359	24.2393	24.2334	24.2326	24.2356

CONC = 1.0957E+00+ 3.7326E-04*RESP+ -2.1435E-10*RESP**2+ *RESP**3
95% C.I.= 1.8264E+00 4.5071E-05 1.3788E-10
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=231569 %RSD=2.3617 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1908	8567	17405	49387	110615	231569
CONC':	0.751	1.66	4.84	9.02	23.9	51.0	99.8
R.T.:		24.4816	24.4877	24.4868	24.4730	24.4695	24.4730

CONC = 7.5083E-01+ 4.7904E-04*RESP+ -2.2120E-10*RESP**2+ *RESP**3
95% C.I.= 1.1375E+00 3.7672E-05 1.6191E-10
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=290637 %RSD=5.5500 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3019	13851	26196	65885	141325	290637
CONC':	0.112	1.23	5.23	9.76	24.1	50.6	99.9
R.T.:		24.6478	24.6487	24.6511	24.6437	24.6404	24.6440

CONC = 1.1168E-01+ 3.7088E-04*RESP+ -9.4798E-11*RESP**2+ *RESP**3
95% C.I.= 6.4684E-01 1.6571E-05 5.6514E-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: 05/04/94 LARGEST RESP=314263 %RSD=19.1909 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2145	9926	20890	56637	140111	314263
CONC':	0.996	1.85	4.92	9.20	22.7	51.6	99.8
R.T.:		25.1510	25.1537	25.1558	25.1473	25.1454	25.1492

CONC = 9.9566E-01+ 3.9839E-04*RESP+ -2.6759E-10*RESP**2+ *RESP**3
95% C.I.= 1.7035E+00 4.3755E-05 1.3809E-10
CORRELATION COEFFICIENT = .9994

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=375159 %RSD=21.0273 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1889	15466	28040	78153	168325	375159
CONC':	0.386	0.994	5.34	9.31	24.7	50.4	99.9
R.T.:		25.4167	25.4118	25.4155	25.4049	25.4028	25.4061

CONC = 3.8551E-01+ 3.2257E-04*RESP+ -1.5244E-10*RESP**2+ *RESP**3
95% C.I.= 5.4255E-01 1.1203E-05 2.9529E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/04/94 LARGEST RESP=359777 %RSD=22.3059 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1791	12563	30573	71190	163608	359777
CONC':	0.492	1.09	4.66	10.6	23.5	50.9	99.9
R.T.:		25.6860	25.6903	25.6951	25.6855	25.6843	25.6887

CONC = 4.9204E-01+ 3.3414E-04*RESP+ -1.6089E-10*RESP**2+ *RESP**3
95% C.I.= 1.0600E+00 2.2935E-05 6.3104E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.1 DATE: 05/04/94 LARGEST RESP=123019 %RSD=15.4381 RT WINDOW:

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CONC :	0	1	5	10	25	50	100
RESP :	0	927	4240	9511	26550	61343	123019
CONC':	1.06	1.84	4.63	9.05	23.2	51.5	99.7
R.T.:		27.1351	27.1385	27.1407	27.1296	27.1257	27.1314

CONC = 1.0584E+00+ 8.4294E-04*RESP+ -3.3321E-10*RESP**2+ *RESP**3
95% C.I.= 1.5777E+00 9.7922E-05 7.9616E-10
CORRELATION COEFFICIENT = .9995

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 05/04/94 LARGEST RESP=1674083 %RSD=9.8683 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	14999	65477	136343	365404	824363	1674083
CONC':	0.003	0.007	0.019	0.037	0.094	0.205	0.399
R.T.:		31.0204	31.0224	31.0274	31.0168	31.0137	31.0185

CONC = 2.8044E-03+ 2.5335E-07*RESP+ -9.9302E-15*RESP**2+ *RESP**3
95% C.I.= 5.0079E-03 2.2679E-08 1.3500E-14
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/04/94 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: 05/04/94 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: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/04/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/04/94 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: 05/04/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

ESE BATCH : G48806

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/05/94	CCS*IND6*1	39076*8080/3540-G	BHC,A	UG/KG-	389000	561000	144	80-120
05/05/94	CCS*IND6*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	421000	592000	141	80-120
05/05/94	CCS*IND6*1	34262*8080/3540-G	BHC,D	UG/KG-	279000	408000	146	80-120
05/05/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	627000	744000	119	80-120
05/05/94	CCS*IND6*1	34257*8080/3540-G	BHC,B	UG/KG-	245000	310000	127	80-120
05/05/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	708000	736000	104	80-120
05/05/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	613000	696000	114	80-120
05/05/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	503000	549000	109	80-120
05/05/94	CCS*IND6*1	39321*8080/3540-G	DDE,PP'	UG/KG-	487000	447000	91.8	80-120
05/05/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	570000	554000	97.2	80-120
05/05/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	325000	361000	111	80-120
05/05/94	CCS*IND6*1	39311*8080/3540-G	DDD,PP'	UG/KG-	232000	234000	101	80-120
05/05/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	291000	310000	107	80-120
05/05/94	CCS*IND6*1	39301*8080/3540-G	DDT,PP'	UG/KG-	314000	344000	110	80-120
05/05/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	375000	562000	150	80-120
05/05/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	360000	320000	88.9	80-120
05/05/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	123000	270000	220	80-120
05/05/94	CCS*IND6*2	39076*8080/3540-G	BHC,A	UG/KG-	389000	542000	139	80-120
05/05/94	CCS*IND6*2	39783*8080/3540-G	BHC,G(LINDANE	UG/KG-	421000	565000	134	80-120
05/05/94	CCS*IND6*2	34262*8080/3540-G	BHC,D	UG/KG-	279000	355000	127	80-120
05/05/94	CCS*IND6*2	39413*8080/3540-G	HEPTACHLOR	UG/KG-	627000	728000	116	80-120
05/05/94	CCS*IND6*2	34257*8080/3540-G	BHC,B	UG/KG-	245000	293000	120	80-120
05/05/94	CCS*IND6*2	39333*8080/3540-G	ALDRIN	UG/KG-	708000	716000	101	80-120
05/05/94	CCS*IND6*2	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	613000	651000	106	80-120
05/05/94	CCS*IND6*2	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	503000	541000	108	80-120
05/05/94	CCS*IND6*2	39321*8080/3540-G	DDE,PP'	UG/KG-	487000	452000	92.8	80-120
05/05/94	CCS*IND6*2	39383*8080/3540-G	DIELDRIN	UG/KG-	570000	574000	101	80-120
05/05/94	CCS*IND6*2	39393*8080/3540-G	ENDRIN	UG/KG-	325000	334000	103	80-120
05/05/94	CCS*IND6*2	39311*8080/3540-G	DDD,PP'	UG/KG-	232000	231000	99.6	80-120
05/05/94	CCS*IND6*2	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	291000	356000	122	80-120
05/05/94	CCS*IND6*2	39301*8080/3540-G	DDT,PP'	UG/KG-	314000	311000	99.0	80-120
05/05/94	CCS*IND6*2	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	375000	358000	95.5	80-120
05/05/94	CCS*IND6*2	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	360000	333000	92.5	80-120
05/05/94	CCS*IND6*2	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	123000	123000	100.0	80-120
05/05/94	CCS*IND6*3	39076*8080/3540-G	BHC,A	UG/KG-	389000	587000	151	80-120
05/05/94	CCS*IND6*3	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	421000	612000	145	80-120
05/05/94	CCS*IND6*3	34262*8080/3540-G	BHC,D	UG/KG-	279000	404000	145	80-120
05/05/94	CCS*IND6*3	39413*8080/3540-G	HEPTACHLOR	UG/KG-	627000	769000	123	80-120
05/05/94	CCS*IND6*3	34257*8080/3540-G	BHC,B	UG/KG-	245000	317000	129	80-120
05/05/94	CCS*IND6*3	39333*8080/3540-G	ALDRIN	UG/KG-	708000	701000	99.0	80-120
05/05/94	CCS*IND6*3	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	613000	685000	112	80-120
05/05/94	CCS*IND6*3	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	503000	559000	111	80-120
05/05/94	CCS*IND6*3	39321*8080/3540-G	DDE,PP'	UG/KG-	487000	502000	103	80-120
05/05/94	CCS*IND6*3	39383*8080/3540-G	DIELDRIN	UG/KG-	570000	600000	105	80-120
05/05/94	CCS*IND6*3	39393*8080/3540-G	ENDRIN	UG/KG-	325000	378000	116	80-120
05/05/94	CCS*IND6*3	39311*8080/3540-G	DDD,PP'	UG/KG-	232000	257000	111	80-120
05/05/94	CCS*IND6*3	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	291000	388000	133	80-120
05/05/94	CCS*IND6*3	39301*8080/3540-G	DDT,PP'	UG/KG-	314000	342000	109	80-120
05/05/94	CCS*IND6*3	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	375000	379000	101	80-120
05/05/94	CCS*IND6*3	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	360000	357000	99.2	80-120
05/05/94	CCS*IND6*3	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	123000	149000	121	80-120

ESE BATCH : G48806

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/06/94	CCS*IND6*4	39076*8080/3540-G	BHC,A	UG/KG-	389000	524000	135	80-120
05/06/94	CCS*IND6*4	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	421000	552000	131	80-120
05/06/94	CCS*IND6*4	34262*8080/3540-G	BHC,D	UG/KG-	279000	336000	120	80-120
05/06/94	CCS*IND6*4	39413*8080/3540-G	HEPTACHLOR	UG/KG-	627000	720000	115	80-120
05/06/94	CCS*IND6*4	34257*8080/3540-G	BHC,B	UG/KG-	245000	290000	118	80-120
05/06/94	CCS*IND6*4	39333*8080/3540-G	ALDRIN	UG/KG-	708000	714000	101	80-120
05/06/94	CCS*IND6*4	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	613000	651000	106	80-120
05/06/94	CCS*IND6*4	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	503000	544000	108	80-120
05/06/94	CCS*IND6*4	39321*8080/3540-G	DDE,PP'	UG/KG-	487000	404000	83.0	80-120
05/06/94	CCS*IND6*4	39383*8080/3540-G	DIELDRIN	UG/KG-	570000	592000	104	80-120
05/06/94	CCS*IND6*4	39393*8080/3540-G	ENDRIN	UG/KG-	325000	324000	99.7	80-120
05/06/94	CCS*IND6*4	39311*8080/3540-G	DDD,PP'	UG/KG-	232000	203000	87.5	80-120
05/06/94	CCS*IND6*4	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	291000	371000	127	80-120
05/06/94	CCS*IND6*4	39301*8080/3540-G	DDT,PP'	UG/KG-	314000	298000	94.9	80-120
05/06/94	CCS*IND6*4	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	375000	372000	99.2	80-120
05/06/94	CCS*IND6*4	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	360000	336000	93.3	80-120
05/06/94	CCS*IND6*4	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	123000	118000	95.9	80-120
05/06/94	CCS*IND6*5	39076*8080/3540-G	BHC,A	UG/KG-	389000	540000	139	80-120
05/06/94	CCS*IND6*5	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	421000	566000	134	80-120
05/06/94	CCS*IND6*5	34262*8080/3540-G	BHC,D	UG/KG-	279000	348000	125	80-120
05/06/94	CCS*IND6*5	39413*8080/3540-G	HEPTACHLOR	UG/KG-	627000	735000	117	80-120
05/06/94	CCS*IND6*5	34257*8080/3540-G	BHC B	UG/KG-	245000	289000	118	80-120
05/06/94	CCS*IND6*5	39333*8080/3540-G	ALDRIN	UG/KG-	708000	722000	102	80-120
05/06/94	CCS*IND6*5	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	613000	659000	108	80-120
05/06/94	CCS*IND6*5	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	503000	533000	106	80-120
05/06/94	CCS*IND6*5	39321*8080/3540-G	DDE,PP'	UG/KG-	487000	407000	83.6	80-120
05/06/94	CCS*IND6*5	39383*8080/3540-G	DIELDRIN	UG/KG-	570000	586000	103	80-120
05/06/94	CCS*IND6*5	39393*8080/3540-G	ENDRIN	UG/KG-	325000	333000	102	80-120
05/06/94	CCS*IND6*5	39311*8080/3540-G	DDD,PP'	UG/KG-	232000	211000	90.9	80-120
05/06/94	CCS*IND6*5	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	291000	372000	128	80-120
05/06/94	CCS*IND6*5	39301*8080/3540-G	DDT,PP'	UG/KG-	314000	300000	95.5	80-120
05/06/94	CCS*IND6*5	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	375000	398000	106	80-120
05/06/94	CCS*IND6*5	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	360000	352000	97.8	80-120
05/06/94	CCS*IND6*5	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	123000	123000	100.0	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/05/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
05/05/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
05/05/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
05/05/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
05/05/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
05/05/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
05/05/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
05/05/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
05/05/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
05/05/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
05/05/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
05/05/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND

ESE BATCH G48806

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/05/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
05/05/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
05/05/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
05/05/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
05/05/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
05/05/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
05/05/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
05/05/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
05/05/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
05/05/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
05/05/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
05/05/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
05/05/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
05/05/94	MB*QC*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
05/05/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	76.0	45-129	UG/KG-	33.3	25.3
05/05/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	73.3	30-148	UG/KG-	33.3	24.4
05/05/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	70.3	53-133	UG/KG-	33.3	23.4
05/05/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	73.9	46-140	UG/KG-	66.7	49.3
05/05/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	64.8	52-126	UG/KG-	66.7	43.2
05/05/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	73.5	37-155	UG/KG-	66.7	49.0
05/05/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
05/05/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
05/05/94	SP1*QC*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
05/05/94	SPM1*CDMHNSS*22	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39783*8080/3540-G	BHC,G(LINDANE)	2639	45-129	0.226	UG/KG-	36.6	966
05/05/94	SPM1*CDMHNSS*22	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39413*8080/3540-G	HEPTACHLOR	237.2	30-148	0.265	UG/KG-	36.6	86.8
05/05/94	SPM1*CDMHNSS*22	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39333*8080/3540-G	ALDRIN	1612	53-133	0.637	UG/KG-	36.6	590
05/05/94	SPM1*CDMHNSS*22	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39383*8080/3540-G	DIELDRIN	2022	46-140	0.614	UG/KG-	73.2	1480
05/05/94	SPM1*CDMHNSS*22	39393*8080/3540-G	ENDRIN	8265	52-126	0.802	UG/KG-	73.2	6050
05/05/94	SPM1*CDMHNSS*22	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39301*8080/3540-G	DDT,PP'	482200	37-155	2080000	UG/KG-	73.2	3530000
05/05/94	SPM1*CDMHNSS*22	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/05/94	SPM1*CDMHNSS*22	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
05/05/94	SPM1*CDMHNSS*22	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39783*8080/3540-G	BHC,G(LINDANE)	3497	45-129	0.226	UG/KG-	36.6	1280
05/05/94	SPM2*CDMHNSS*22	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39413*8080/3540-G	HEPTACHLOR	243.4	30-148	0.265	UG/KG-	36.6	89.1
05/05/94	SPM2*CDMHNSS*22	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39333*8080/3540-G	ALDRIN	1514	53-133	0.637	UG/KG-	36.6	554
05/05/94	SPM2*CDMHNSS*22	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39383*8080/3540-G	DIELDRIN	2432	46-140	0.614	UG/KG-	73.2	1780
05/05/94	SPM2*CDMHNSS*22	39393*8080/3540-G	ENDRIN	8128	52-126	0.802	UG/KG-	73.2	5950
05/05/94	SPM2*CDMHNSS*22	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39301*8080/3540-G	DDT,PP'	168000037-155		2080000	UG/KG-	73.2	1230000
05/05/94	SPM2*CDMHNSS*22	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
05/05/94	SPM2*CDMHNSS*22	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
05/05/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.054	80.6	67-119
05/05/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.054	80.6	51-169
05/05/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.050	74.6	67-119
05/05/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.049	73.1	51-169
05/05/94	SPM1*CDMHNSS*22	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.135	201	67-119
05/05/94	SPM1*CDMHNSS*22	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.136	203	51-169
05/05/94	SPM2*CDMHNSS*22	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.119	178	67-119
05/05/94	SPM2*CDMHNSS*22	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.105	157	51-169
05/05/94	DA*CDMHNSS*22	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.121	181	67-119
05/05/94	DA*CDMHNSS*22	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.157	234	51-169
05/05/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2140000	2130000	99.5	67-119
05/05/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	1670000	1990000	119	51-169
05/05/94	CCS*IND6*2	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2140000	2160000	101	67-119
05/05/94	CCS*IND6*2	96343*SUR	DECACHLOROBIPHENYL	UG/G	1670000	1530000	91.6	51-169
05/05/94	CCS*IND6*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2140000	2170000	101	67-119
05/05/94	CCS*IND6*3	96343*SUR	DECACHLOROBIPHENYL	UG/G	1670000	1650000	98.8	51-169
05/06/94	CCS*IND6*4	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2140000	2110000	98.6	67-119
05/06/94	CCS*IND6*4	96343*SUR	DECACHLOROBIPHENYL	UG/G	1670000	1590000	95.2	51-169
05/06/94	CCS*IND6*5	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2140000	2100000	98.1	67-119
05/06/94	CCS*IND6*5	96343*SUR	DECACHLOROBIPHENYL	UG/G	1670000	1570000	94.0	51-169

ESE BATCH : G48806

Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G48806 Analysis Date: 06/04/94 Analyst: GREG AYCUB

	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		
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	39783*8080 _____
			39413*8080 _____
			39333*8080 _____
			39383*8080 _____
			39393*8080 _____
			39301*8080 _____
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	39783*8080 _____
			39413*8080 _____
			39333*8080 _____
			39383*8080 _____
			39393*8080 _____
			39301*8080 _____
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 NOT
WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEVERE SAMPLE MATRIX INTERFERENCE./GA
PROB.:SAMPLE MATRIX SPIKE DUPLICATE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE.
STANDARD SPIKE OK./VB
PROB.:SURROGATE NOT WITHIN ACCEPTANCE
CRITERIA.
EXPL.:SEE ABOVE./VB

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 : G48835
CLASSIFICATION : CHL. PESTS - EPA 808(/3540 (SOX)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : Z. MATHIS
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 05/20/94 07:44:44
ANALYSIS DATE : 05/07/94
EXTRACT DATE : 05/04/94

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*23	OCS1-1-00	05/08/94	04:19PM

ESE BATCH : G48835

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: 05/07/94 LARGEST RESP=2105852 %RSD=11.6464 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	16051	87980	185685	476333	1104936	2105852
CONC':	0.004	0.007	0.020	0.037	0.091	0.207	0.398
R.T.:		11.2850	11.2698	11.2609	11.2508	11.2389	11.2306

CONC = 3.7545E-03+ 1.8083E-07*RESP+ 3.1363E-15*RESP**2+ *RESP**3
95% C.I.= 7.2442E-03 2.5766E-08 1.2259E-14
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=458586 %RSD=13.4304 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3548	17283	34699	81739	205314	458586
CONC':	0.594	1.57	5.30	9.97	22.2	51.6	99.8
R.T.:		14.0363	14.0316	14.0297	14.0268	14.0238	14.0208

CONC = 5.9413E-01+ 2.7461E-04*RESP+ -1.2724E-10*RESP**2+ *RESP**3
95% C.I.= 1.8292E+00 3.1972E-05 6.8934E-11
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=438490 %RSD=13.0280 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3275	17126	33945	80930	202018	438490
CONC':	0.649	1.55	5.33	9.86	22.2	51.7	99.7
R.T.:		15.6564	15.6508	15.6498	15.6475	15.6454	15.6418

CONC = 6.4915E-01+ 2.7529E-04*RESP+ -1.1245E-10*RESP**2+ *RESP**3
95% C.I.= 1.8561E+00 3.3515E-05 7.5736E-11
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.9 DATE: 05/07/94 LARGEST RESP=260763 %RSD=16.7214 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1656	10561	22925	58696	136655	260763
CONC':	1.01	1.61	4.87	9.41	22.6	51.9	99.6
R.T.:		16.0022	15.9876	15.9866	15.9805	15.9715	15.9670

CONC = 1.0082E+00+ 3.6540E-04*RESP+ 4.8882E-11*RESP**2+ *RESP**3
95% C.I.= 1.8188E+00 5.2340E-05 2.0122E-10
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=674913 %RSD=8.4881 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6041	28812	57115	137446	331463	674913
CONC':	0.617	1.59	5.25	9.76	22.4	51.7	99.7
R.T.:		16.9646	16.9610	16.9607	16.9583	16.9567	16.9550

CONC = 6.1701E-01+ 1.6126E-04*RESP+ -2.1426E-11*RESP**2+ *RESP**3
95% C.I.= 1.8082E+00 2.0553E-05 3.0289E-11
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=268163 %RSD=13.6315 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1822	11685	23716	56009	134456	268163

ESE BATCH : G48835

CONC':	0.695	1.41	5.26	9.91	22.3	51.8	99.7
R.T.:		17.5094	17.4961	17.4911	17.4861	17.4809	17.4755

CONC = 6.9505E-01+ 3.9043E-04*RESP+ -7.9486E-11*RESP**2+ *RESP**3
95% C.I.= 1.8381E+00 5.2132E-05 1.9374E-10
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.3 DATE: 05/07/94 LARGEST RESP=730602 %RSD=20.7937 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4820	23612	47404	123021	330038	730602
CONC':	1.28	2.10	5.28	9.26	21.2	52.2	99.6
R.T.:		18.3137	18.3122	18.3126	18.3118	18.3123	18.3098

CONC = 1.2756E+00+ 1.7067E-04*RESP+ -4.9309E-11*RESP**2+ *RESP**3
95% C.I.= 2.5486E+00 2.8605E-05 3.8907E-11
CORRELATION COEFFICIENT = .9986

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=605589 %RSD=12.0466 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5009	23724	47151	114428	289146	605589
CONC':	0.812	1.76	5.28	9.64	21.9	51.9	99.7
R.T.:		20.6331	20.6300	20.6298	20.6299	20.6293	20.6273

CONC = 8.1213E-01+ 1.8923E-04*RESP+ -4.2909E-11*RESP**2+ *RESP**3
95% C.I.= 2.1031E+00 2.7273E-05 4.4770E-11
CORRELATION COEFFICIENT = .9991

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=496866 %RSD=10.0215 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4398	20546	40756	97981	243679	496866
CONC':	0.756	1.73	5.27	9.68	22.0	52.0	99.7
R.T.:		22.0696	22.0661	22.0660	22.0663	22.0652	22.0644

CONC = 7.5606E-01+ 2.2073E-04*RESP+ -4.3662E-11*RESP**2+ *RESP**3
95% C.I.= 2.0826E+00 3.2458E-05 6.5022E-11
CORRELATION COEFFICIENT = .9991

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=346517 %RSD=8.5618 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3019	16322	32030	73480	184449	346517
CONC':	0.912	1.74	5.40	9.73	21.2	52.5	99.5
R.T.:		23.0671	23.0393	23.0428	23.0360	23.0246	23.0241

CONC = 9.1209E-01+ 2.7453E-04*RESP+ 2.8460E-11*RESP**2+ *RESP**3
95% C.I.= 2.6274E+00 5.7388E-05 1.6574E-10
CORRELATION COEFFICIENT = .9986

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.2 DATE: 05/07/94 LARGEST RESP=594091 %RSD=17.0526 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4379	20272	41615	106715	277244	594091
CONC':	1.11	1.98	5.13	9.31	21.7	52.1	99.7
R.T.:		23.2906	23.2884	23.2871	23.2875	23.2878	23.2863

CONC = 1.1099E+00+ 1.9942E-04*RESP+ -5.6457E-11*RESP**2+ *RESP**3
95% C.I.= 2.2537E+00 3.0379E-05 5.0875E-11
CORRELATION COEFFICIENT = .9989

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.05 DATE: 05/07/94 LARGEST RESP=288813 %RSD=17.0021 RT WINDOW:

CONC :	0	1	5	10	25	50	100

ESE BATCH : G48835

RESP :	0	3362	11593	22958	56284	146681	288813
CONC':	1.04	2.26	5.22	9.80	21.2	52.5	99.5
R.T.:		24.2684	24.2675	24.2674	24.2666	24.2687	24.2688

CONC = 1.0408E+00+ 3.6140E-04*RESP+ 7.0968E-11*RESP**2+ *RESP**3
95% C.I.= 2.7133E+00 7.3089E-05 2.5281E-10
CORRELATION COEFFICIENT = .9985

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.06 DATE: 05/07/94 LARGEST RESP=170852 %RSD=21.2649 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2561	8088	15949	38116	95489	170852
CONC':	1.05	2.35	5.17	9.22	20.9	53.0	99.3
R.T.:		24.5410	24.5245	24.5272	24.5237	24.5176	24.5175

CONC = 1.0533E+00+ 5.0563E-04*RESP+ 4.0502E-10*RESP**2+ *RESP**3
95% C.I.= 3.0692E+00 1.3511E-04 7.9378E-10
CORRELATION COEFFICIENT = .9981

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=332348 %RSD=18.0190 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4792	15985	32468	77029	179147	332348
CONC':	0.604	1.92	5.02	9.61	22.2	52.1	99.5
R.T.:		24.6838	24.6833	24.6825	24.6814	24.6816	24.6814

CONC = 6.0433E-01+ 2.7524E-04*RESP+ 6.7630E-11*RESP**2+ *RESP**3
95% C.I.= 2.0879E+00 4.6420E-05 1.3959E-10
CORRELATION COEFFICIENT = .9991

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.06 DATE: 05/07/94 LARGEST RESP=242371 %RSD=8.0385 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2368	10974	22153	53245	131778	242371
CONC':	1.06	1.94	5.18	9.42	21.4	52.6	99.4
R.T.:		25.2001	25.1906	25.1911	25.1879	25.1871	25.1862

CONC = 1.0572E+00+ 3.7443E-04*RESP+ 1.2924E-10*RESP**2+ *RESP**3
95% C.I.= 2.6584E+00 8.2681E-05 3.4228E-10
CORRELATION COEFFICIENT = .9986

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=315627 %RSD=4.4979 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3134	15756	32766	75962	172557	315627
CONC':	0.649	1.52	5.05	9.87	22.4	51.9	99.6
R.T.:		25.4488	25.4476	25.4462	25.4441	25.4458	25.4454

CONC = 6.4930E-01+ 2.7770E-04*RESP+ 1.1318E-10*RESP**2+ *RESP**3
95% C.I.= 1.9060E+00 4.4091E-05 1.3984E-10
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=307536 %RSD=7.7908 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2681	14043	28619	68481	163872	307536
CONC':	0.863	1.68	5.15	9.62	22.0	52.2	99.5
R.T.:		25.7282	25.7255	25.7258	25.7232	25.7252	25.7256

CONC = 8.6315E-01+ 3.0450E-04*RESP+ 5.3104E-11*RESP**2+ *RESP**3
95% C.I.= 2.1932E+00 5.3398E-05 1.7384E-10
CORRELATION COEFFICIENT = .9990

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.61 DATE: 05/07/94 LARGEST RESP=100501 %RSD=15.8685 RT WINDOW:

ESE BATCH : G48835

CONC :	0	1	[illegible]	10	25	50	100
RESP :	0	710	4545	9278	23324	58582	100501
CONC':	1.60	2.15	3.14	8.91	20.6	53.5	99.0
R.T.:		27.1930	27.1843	27.1843	27.1811	27.1806	27.1807

CONC = 1.6001E+00+ 7.6967E-04*RESP+ 1.9896E-09*RESP**2+ *RESP**3
95% C.I.= 3.3785E+00 2.5353E-04 2.5510E-09
CORRELATION COEFFICIENT = .9977

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.005 DATE: 05/07/94 LARGEST RESP=1463761 %RSD=6.0092 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	16111	75544	153053	381719	863361	1463761
CONC':	0.005	0.008	0.020	0.036	0.087	0.211	0.397
R.T.:		31.0851	31.0816	31.0813	31.0808	31.0804	31.0827

CONC = 4.5616E-03+ 1.9880E-07*RESP+ 4.7309E-14*RESP**2+ *RESP**3
95% C.I.= 1.0600E-02 5.2575E-08 3.6222E-14
CORRELATION COEFFICIENT = .9986

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/07/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/07/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/07/94 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: 05/07/94 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: 05/07/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/07/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/07/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/07/94 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: 05/07/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

ESE BATCH : G48835

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/08/94	CCS*IND6*3	39076*8080/3540-G	BHC,A	UG/KG-	459000	584000	127	80-120
05/08/94	CCS*IND6*3	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	438000	542000	124	80-120
05/08/94	CCS*IND6*3	34257*8080/3540-G	BHC,B	UG/KG-	261000	307000	118	80-120
05/08/94	CCS*IND6*3	39413*8080/3540-G	HEPTACHLOR	UG/KG-	675000	757000	112	80-120
05/08/94	CCS*IND6*3	34262*8080/3540-G	BHC,D	UG/KG-	268000	371000	138	80-120
05/08/94	CCS*IND6*3	39333*8080/3540-G	ALDRIN	UG/KG-	731000	801000	110	80-120
05/08/94	CCS*IND6*3	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	606000	677000	112	80-120
05/08/94	CCS*IND6*3	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	497000	563000	113	80-120
05/08/94	CCS*IND6*3	39321*8080/3540-G	DDE,PP'	UG/KG-	347000	482000	139	80-120
05/08/94	CCS*IND6*3	39383*8080/3540-G	DIELDRIN	UG/KG-	594000	648000	109	80-120
05/08/94	CCS*IND6*3	39393*8080/3540-G	ENDRIN	UG/KG-	289000	344000	119	80-120
05/08/94	CCS*IND6*3	39311*8080/3540-G	DDD,PP'	UG/KG-	171000	241000	141	80-120
05/08/94	CCS*IND6*3	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	332000	376000	113	80-120
05/08/94	CCS*IND6*3	39301*8080/3540-G	DDT,PP'	UG/KG-	242000	292000	121	80-120
05/08/94	CCS*IND6*3	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	316000	360000	114	80-120
05/08/94	CCS*IND6*3	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	308000	353000	115	80-120
05/08/94	CCS*IND6*3	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	101000	140000	139	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/08/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
05/08/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
05/08/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
05/08/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
05/08/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
05/08/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
05/08/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
05/08/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
05/08/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
05/08/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
05/08/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
05/08/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
05/08/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
05/08/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
05/08/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
05/08/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
05/08/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
05/08/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
05/08/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
05/08/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
05/08/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
05/08/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
05/08/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
05/08/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
05/08/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
05/08/94	MB*QC*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
05/08/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	119.5	45-129	UG/KG-	33.3	39.8
05/08/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	97.6	30-148	UG/KG-	33.3	32.5
05/08/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	116.2	53-133	UG/KG-	33.3	38.7
05/08/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	93.3	46-140	UG/KG-	66.7	62.2
05/08/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	73.0	52-126	UG/KG-	66.7	48.7
05/08/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND

ESE BATCH : G48835

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/08/94	SP1*QC*1	39301*8080/3540-G	DDT, PP'	96.6	37-155	UG/KG-	66.7	64.4
05/08/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
05/08/94	SP1*QC*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
05/08/94	SPM1*CDMHNSS*23	39076*8080/3540-G	BHC, A		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39783*8080/3540-G	BHC, G(LINDANE)	120.4	45-129	0.458	UG/KG-	35.3	42.5
05/08/94	SPM1*CDMHNSS*23	34257*8080/3540-G	BHC, B		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39413*8080/3540-G	HEPTACHLOR	100.3	30-148	0.435	UG/KG-	35.3	35.4
05/08/94	SPM1*CDMHNSS*23	34262*8080/3540-G	BHC, D		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39333*8080/3540-G	ALDRIN	113.9	53-133	0.900	UG/KG-	35.3	40.2
05/08/94	SPM1*CDMHNSS*23	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	34364*8080/3540-G	ENDOSULFAN, A		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39321*8080/3540-G	DDE, PP'		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39383*8080/3540-G	DIELDRIN	93.6	46-140	0.783	UG/KG-	70.5	66.0
05/08/94	SPM1*CDMHNSS*23	39393*8080/3540-G	ENDRIN	97.2	52-126	0.734	UG/KG-	70.5	68.5
05/08/94	SPM1*CDMHNSS*23	39311*8080/3540-G	DDD, PP'		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	34359*8080/3540-G	ENDOSULFAN, B		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39301*8080/3540-G	DDT, PP'	96.6	37-155	0.746	UG/KG-	70.5	68.1
05/08/94	SPM1*CDMHNSS*23	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*23	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
05/08/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.075	112	67-119
05/08/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.056	83.6	51-169
05/08/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.071	106	67-119
05/08/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.049	73.1	51-169
05/08/94	SPM1*CDMHNSS*23	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.074	110	67-119
05/08/94	SPM1*CDMHNSS*23	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.051	76.1	51-169
05/08/94	DA*CDMHNSS*23	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.076	113	67-119
05/08/94	DA*CDMHNSS*23	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.061	91.0	51-169
05/08/94	CCS*IND6*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2110000	2300000	109	67-119
05/08/94	CCS*IND6*3	96343*SUR	DECACHLOROBIPHENYL	UG/G	1460000	1520000	104	51-169

ESE BATCH : G48835

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48835 Analysis Date: 05/07/94 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		
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?			
Surrogate present?	X		
Surrogate within acceptance criteria?		X TCX	_____
		DCB	_____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: BRAD WEICHERT 1569
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:LOST DURING EXTACTION (SEE
EXTRACTION LOGSHEET)./GA

ESE BATCH : G48835

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 : G48837
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOX)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : Z. MATHIS
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 05/20/94 07:45:42
ANALYSIS DATE : 05/07/94
EXTRACT DATE : 05/05/94

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*24	EBG1-1-02	05/08/94	08:53AM
CDMHNSS*25	ESV1-1-01	05/08/94	09:34AM
CDMHNSS*26	WBG2-1-02	05/08/94	11:35AM
CDMHNSS*27	WBG2-2-02	05/08/94	12:16PM

ESE BATCH : G48837

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: 05/07/94 LARGEST RESP=2105852 %RSD=11.6464 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	16051	87980	185685	476333	1104936	2105852
CONC':	0.004	0.007	0.020	0.037	0.091	0.207	0.398
R.T.:		11.2850	11.2698	11.2609	11.2508	11.2389	11.2306

CONC = 3.7545E-03+ 1.8083E-07*RESP+ 3.1363E-15*RESP**2+ *RESP**3
95% C.I.= 7.2442E-03 2.5766E-08 1.2259E-14
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=458586 %RSD=13.4304 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3548	17283	34699	81739	205314	458586
CONC':	0.594	1.57	5.30	9.97	22.2	51.6	99.8
R.T.:		14.0363	14.0316	14.0297	14.0268	14.0238	14.0208

CONC = 5.9413E-01+ 2.7461E-04*RESP+ -1.2724E-10*RESP**2+ *RESP**3
95% C.I.= 1.8292E+00 3.1972E-05 6.8934E-11
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=438490 %RSD=13.0280 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3275	17126	33945	80930	202018	438490
CONC':	0.649	1.55	5.33	9.86	22.2	51.7	99.7
R.T.:		15.6564	15.6508	15.6498	15.6475	15.6454	15.6418

CONC = 6.4915E-01+ 2.7529E-04*RESP+ -1.1245E-10*RESP**2+ *RESP**3
95% C.I.= 1.8561E+00 3.3515E-05 7.5736E-11
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.9 DATE: 05/07/94 LARGEST RESP=260763 %RSD=16.7214 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1656	10561	22925	58696	136655	260763
CONC':	1.01	1.61	4.87	9.41	22.6	51.9	99.6
R.T.:		16.0022	15.9876	15.9866	15.9805	15.9715	15.9670

CONC = 1.0082E+00+ 3.6540E-04*RESP+ 4.8882E-11*RESP**2+ *RESP**3
95% C.I.= 1.8188E+00 5.2340E-05 2.0122E-10
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=674913 %RSD=8.4881 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	6041	28812	57115	137446	334463	674913
CONC':	0.617	1.59	5.25	9.76	22.4	51.7	99.7
R.T.:		16.9646	16.9610	16.9607	16.9583	16.9567	16.9550

CONC = 6.1701E-01+ 1.6126E-04*RESP+ -2.1426E-11*RESP**2+ *RESP**3
95% C.I.= 1.8082E+00 2.0553E-05 3.0289E-11
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=268163 %RSD=15.6315 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1822	11685	23716	56009	134456	268163

ESE BATCH : G48837

CONC':	0.695	1.41	5.25	9.9	22.3	51.8	99.7
R.T.:		17.5094	17.4960	17.4914	17.4861	17.4809	17.4755

CONC = 6.9505E-01+ 3.9043E-04*RESP+ -7.9486E-11*RESP**2+ *RESP**3
95% C.I.= 1.8381E+00 5.2132E-05 1.9374E-10
CORRELATION COEFFICIENT = .9994

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.3 DATE: 05/07/94 LARGEST RESP=730602 %RSD=20.7937 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4820	23612	47404	131021	330038	730602
CONC':	1.28	2.10	5.28	9.26	21.2	52.2	99.6
R.T.:		18.3137	18.3122	18.3126	18.3118	18.3123	18.3098

CONC = 1.2756E+00+ 1.7067E-04*RESP+ -4.9309E-11*RESP**2+ *RESP**3
95% C.I.= 2.5486E+00 2.8605E-05 3.8907E-11
CORRELATION COEFFICIENT = .9986

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=605589 %RSD=12.0466 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5009	23724	47151	134428	289146	605589
CONC':	0.812	1.76	5.28	9.64	21.9	51.9	99.7
R.T.:		20.6331	20.6300	20.6298	20.6299	20.6293	20.6273

CONC = 8.1213E-01+ 1.8923E-04*RESP+ -4.2909E-11*RESP**2+ *RESP**3
95% C.I.= 2.1031E+00 2.7273E-05 4.4770E-11
CORRELATION COEFFICIENT = .9991

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=496866 %RSD=10.0215 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4398	20546	40756	97981	243679	496866
CONC':	0.756	1.73	5.27	9.68	22.0	52.0	99.7
R.T.:		22.0696	22.0661	22.0660	22.0663	22.0652	22.0644

CONC = 7.5606E-01+ 2.2073E-04*RESP+ -4.3662E-11*RESP**2+ *RESP**3
95% C.I.= 2.0826E+00 3.2458E-05 6.5022E-11
CORRELATION COEFFICIENT = .9991

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=346517 %RSD=8.5618 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3019	16322	32030	78480	184449	346517
CONC':	0.912	1.74	5.40	9.73	21.2	52.5	99.5
R.T.:		23.0671	23.0393	23.0428	23.0360	23.0246	23.0241

CONC = 9.1209E-01+ 2.7453E-04*RESP+ 2.8460E-11*RESP**2+ *RESP**3
95% C.I.= 2.6274E+00 5.7388E-05 1.6574E-10
CORRELATION COEFFICIENT = .9986

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.2 DATE: 05/07/94 LARGEST RESP=594091 %RSD=17.0526 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4379	20272	41615	106715	277244	594091
CONC':	1.11	1.98	5.13	9.31	21.7	52.1	99.7
R.T.:		23.2906	23.2884	23.2871	23.2875	23.2878	23.2863

CONC = 1.1099E+00+ 1.9942E-04*RESP+ -5.6457E-11*RESP**2- *RESP**3
95% C.I.= 2.2537E+00 3.0379E-05 5.0875E-11
CORRELATION COEFFICIENT = .9989

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.05 DATE: 05/07/94 LARGEST RESP=288813 %RSD=17.0021 RT WINDOW:

CONC :	0	1	5	10	25	50	100

ESE BATCH : G48837

RESP :	0	3362	11590	22968	56284	146681	288813
CONC':	1.04	2.26	4.22	9.30	21.2	52.5	99.5
R.T.:		24.2684	24.2676	24.2674	24.2666	24.2687	24.2688

CONC = 1.0408E+00+ 3.6140E-04*RESP+ -7.0968E-11*RESP**2+ *RESP**3
95% C.I.= 2.7133E+00 7.3089E-05 2.5281E-10
CORRELATION COEFFICIENT = .9985

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.06 DATE: 05/07/94 LARGEST RESP=170852 %RSD=21.2649 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2561	8088	15949	38116	95489	170852
CONC':	1.05	2.35	5.17	9.22	20.9	53.0	99.3
R.T.:		24.5410	24.5245	24.5272	24.5237	24.5176	24.5175

CONC = 1.0533E+00+ 5.0563E-04*RESP+ 4.0502E-10*RESP**2+ *RESP**3
95% C.I.= 3.0692E+00 1.3511E-04 7.9378E-10
CORRELATION COEFFICIENT = .9981

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=332348 %RSD=18.0150 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4792	15985	32468	77029	173147	332348
CONC':	0.604	1.92	5.02	9.61	22.2	52.1	99.5
R.T.:		24.6838	24.6833	24.6825	24.6814	24.6816	24.6814

CONC = 6.0433E-01+ 2.7524E-04*RESP+ 6.7630E-11*RESP**2+ *RESP**3
95% C.I.= 2.0879E+00 4.6420E-05 1.3959E-10
CORRELATION COEFFICIENT = .9991

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.06 DATE: 05/07/94 LARGEST RESP=242371 %RSD=8.0385 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2368	10974	22153	53245	131778	242371
CONC':	1.06	1.94	5.18	9.42	21.4	52.6	99.4
R.T.:		25.2001	25.1906	25.1911	25.1879	25.1871	25.1862

CONC = 1.0572E+00+ 3.7443E-04*RESP+ 1.2924E-10*RESP**2+ *RESP**3
95% C.I.= 2.6584E+00 8.2681E-05 3.4228E-10
CORRELATION COEFFICIENT = .9986

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=315627 %RSD=4.4979 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3134	15756	32766	75962	172557	315627
CONC':	0.649	1.52	5.05	9.87	22.4	51.9	99.6
R.T.:		25.4488	25.4476	25.4462	25.4441	25.4458	25.4454

CONC = 6.4930E-01+ 2.7770E-04*RESP+ 1.1318E-10*RESP**2+ *RESP**3
95% C.I.= 1.9060E+00 4.4091E-05 1.3984E-10
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/07/94 LARGEST RESP=307536 %RSD=7.7908 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2681	14043	28619	68481	163872	307536
CONC':	0.863	1.68	5.15	9.62	22.0	52.2	99.5
R.T.:		25.7282	25.7255	25.7258	25.7232	25.7252	25.7256

CONC = 8.6315E-01+ 3.0450E-04*RESP+ 5.3104E-11*RESP**2+ *RESP**3
95% C.I.= 2.1932E+00 5.3398E-05 1.7384E-10
CORRELATION COEFFICIENT = .9990

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.61 DATE: 05/07/94 LARGEST RESP=100501 %RSD=15.8685 RT WINDOW:

ESE BATCH : G48837

CONC :	0	1	5	10	25	50	100
RESP :	0	710	1565	9278	13324	58582	100501
CONC':	1.60	2.15	3.14	6.91	20.6	53.5	99.0
R.T.:		27.1930	27.1843	27.1843	27.1811	27.1806	27.1807

CONC = 1.6001E+00+ 7.6967E-04*RESP+ 1.9896E-09*RESP**2+ *RESP**3
95% C.I.= 3.3785E+00 2.5353E-04 2.5513E-09
CORRELATION COEFFICIENT = .9977

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.005 DATE: 05/07/94 LARGEST RESP=1463761 %RSD=6.0092 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	16111	75544	153053	381719	863361	1463761
CONC':	0.005	0.008	0.020	0.036	0.087	0.211	0.397
R.T.:		31.0851	31.0816	31.0813	31.0808	31.0804	31.0827

CONC = 4.5616E-03+ 1.9880E-07*RESP+ 4.7309E-14*RESP**2+ *RESP**3
95% C.I.= 1.0600E-02 5.2575E-08 3.6222E-14
CORRELATION COEFFICIENT = .9986

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/07/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/07/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/07/94 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: 05/07/94 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: 05/07/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/07/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/07/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/07/94 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: 05/07/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

ESE BATCH : G48837

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/08/94	CCS*IND6*1	39076*8080/3540-G	BHC,A	UG/KG-	459000	513000	112	80-120
05/08/94	CCS*IND6*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	438000	485000	111	80-120
05/08/94	CCS*IND6*1	34257*8080/3540-G	BHC,B	UG/KG-	261000	284000	109	80-120
05/08/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	675000	712000	105	80-120
05/08/94	CCS*IND6*1	34262*8080/3540-G	BHC,D	UG/KG-	268000	301000	112	80-120
05/08/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	731000	764000	105	80-120
05/08/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	606000	639000	105	80-120
05/08/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	497000	561000	113	80-120
05/08/94	CCS*IND6*1	39321*8080/3540-G	DDE,PP'	UG/KG-	347000	393000	113	80-120
05/08/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	594000	608000	102	80-120
05/08/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	289000	319000	110	80-120
05/08/94	CCS*IND6*1	39311*8080/3540-G	DDD,PP'	UG/KG-	171000	193000	113	80-120
05/08/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	332000	348000	105	80-120
05/08/94	CCS*IND6*1	39301*8080/3540-G	DDT,PP'	UG/KG-	242000	262000	108	80-120
05/08/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	316000	326000	103	80-120
05/08/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	308000	315000	102	80-120
05/08/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	101000	109000	108	80-120
05/08/94	CCS*IND6*2	39076*8080/3540-G	BHC,A	UG/KG-	459000	534000	116	80-120
05/08/94	CCS*IND6*2	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	438000	501000	114	80-120
05/08/94	CCS*IND6*2	34257*8080/3540-G	BHC,B	UG/KG-	261000	286000	110	80-120
05/08/94	CCS*IND6*2	39413*8080/3540-G	HEPTACHLOR	UG/KG-	675000	713000	106	80-120
05/08/94	CCS*IND6*2	34262*8080/3540-G	BHC,D	UG/KG-	268000	307000	115	80-120
05/08/94	CCS*IND6*2	39333*8080/3540-G	ALDRIN	UG/KG-	731000	780000	107	80-120
05/08/94	CCS*IND6*2	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	606000	643000	106	80-120
05/08/94	CCS*IND6*2	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	497000	524000	105	80-120
05/08/94	CCS*IND6*2	39321*8080/3540-G	DDE,PP'	UG/KG-	347000	378000	109	80-120
05/08/94	CCS*IND6*2	39383*8080/3540-G	DIELDRIN	UG/KG-	594000	619000	104	80-120
05/08/94	CCS*IND6*2	39393*8080/3540-G	ENDRIN	UG/KG-	289000	294000	102	80-120
05/08/94	CCS*IND6*2	39311*8080/3540-G	DDD,PP'	UG/KG-	171000	178000	104	80-120
05/08/94	CCS*IND6*2	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	332000	342000	103	80-120
05/08/94	CCS*IND6*2	39301*8080/3540-G	DDT,PP'	UG/KG-	242000	236000	97.5	80-120
05/08/94	CCS*IND6*2	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	316000	322000	102	80-120
05/08/94	CCS*IND6*2	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	308000	303000	98.4	80-120
05/08/94	CCS*IND6*2	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	101000	101000	100.0	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/08/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
05/08/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
05/08/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
05/08/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
05/08/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
05/08/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
05/08/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
05/08/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
05/08/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
05/08/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
05/08/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
05/08/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
05/08/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
05/08/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
05/08/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
05/08/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
05/08/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND

ESE BATCH : G48837

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/08/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
05/08/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
05/08/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
05/08/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
05/08/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
05/08/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
05/08/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
05/08/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
05/08/94	MB*QC*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
05/08/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	105.7	45-129	UG/KG-	33.3	35.2
05/08/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	90.1	30-148	UG/KG-	33.3	30.0
05/08/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	86.5	53-133	UG/KG-	33.3	28.8
05/08/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	90.0	46-140	UG/KG-	66.7	60.0
05/08/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	98.8	52-126	UG/KG-	66.7	65.9
05/08/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	98.4	37-155	UG/KG-	66.7	65.6
05/08/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
05/08/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
05/08/94	SP1*QC*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
05/08/94	SPM1*CDMHNSS*25	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39783*8080/3540-G	BHC,G(LINDANE)	100.6	45-129	0.445	UG/KG-	34.3	34.5
05/08/94	SPM1*CDMHNSS*25	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39413*8080/3540-G	HEPTACHLOR	86.0	30-148	0.423	UG/KG-	34.3	29.5
05/08/94	SPM1*CDMHNSS*25	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39333*8080/3540-G	ALDRIN	78.4	53-133	0.875	UG/KG-	34.3	26.9
05/08/94	SPM1*CDMHNSS*25	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39383*8080/3540-G	DIELDRIN	81.8	46-140	0.761	UG/KG-	68.6	56.1
05/08/94	SPM1*CDMHNSS*25	39393*8080/3540-G	ENDRIN	82.2	52-126	0.714	UG/KG-	68.6	56.4
05/08/94	SPM1*CDMHNSS*25	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39301*8080/3540-G	DDT,PP'	-43.7	37-155	806	UG/KG-	68.6	-30.0
05/08/94	SPM1*CDMHNSS*25	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
05/08/94	SPM1*CDMHNSS*25	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39783*8080/3540-G	BHC,G(LINDANE)	102.3	45-129	0.445	UG/KG-	34.3	35.1
05/08/94	SPM2*CDMHNSS*25	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39413*8080/3540-G	HEPTACHLOR	88.0	30-148	0.423	UG/KG-	34.3	30.2

ESE BATCH : G48837

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/08/94	SPM2*CDMHNSS*25	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39333*8080/3540-G	ALDRIN	81.9	53-133	0.875	UG/KG-	34.3	28.1
05/08/94	SPM2*CDMHNSS*25	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39383*8080/3540-G	DIELDRIN	96.6	46-140	0.761	UG/KG-	68.6	66.3
05/08/94	SPM2*CDMHNSS*25	39393*8080/3540-G	ENDRIN	82.7	52-126	0.714	UG/KG-	68.6	56.7
05/08/94	SPM2*CDMHNSS*25	39311*8080/3540-G	DDI,PP'		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39301*8080/3540-G	DDT,PP'	156.0	37-155	806	UG/KG-	68.6	107
05/08/94	SPM2*CDMHNSS*25	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
05/08/94	SPM2*CDMHNSS*25	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
05/08/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.013	0.013	100.0	67-119
05/08/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.013	0.012	92.3	51-169
05/08/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.013	0.013	100.0	67-119
05/08/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.013	0.012	92.3	51-169
05/08/94	SPM1*CDMHNSS*25	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.013	0.014	108	67-119
05/08/94	SPM1*CDMHNSS*25	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.013	0.015	115	51-169
05/08/94	SPM2*CDMHNSS*25	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.013	0.014	108	67-119
05/08/94	SPM2*CDMHNSS*25	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.013	0.014	108	51-169
05/08/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2110000	2160000	102	67-119
05/08/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	1460000	1410000	96.6	51-169
05/08/94	DA*CDMHNSS*24	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.013	0.013	100.0	67-119
05/08/94	DA*CDMHNSS*24	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.013	0.012	92.3	51-169
05/08/94	DA*CDMHNSS*25	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.013	0.015	115	67-119
05/08/94	DA*CDMHNSS*25	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.013	0.014	108	51-169
05/08/94	DA*CDMHNSS*26	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.013	0.013	100.0	67-119
05/08/94	DA*CDMHNSS*26	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.013	0.012	92.3	51-169
05/08/94	DA*CDMHNSS*27	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.013	0.014	108	67-119
05/08/94	DA*CDMHNSS*27	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.013	0.013	100.0	51-169
05/08/94	CCS*IND6*2	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	2110000	2260000	107	67-119
05/08/94	CCS*IND6*2	96343*SUR	DECACHLOROBIPHENYL	UG/G	1460000	1240000	84.9	51-169

ESE BATCH : G48837

Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G48837 Analysis Date: 05/07/94 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		
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	TCX
			DCBP

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: BRAD WEICHERT 1569
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:SAMPLE MATRIX INTERFERENCE.
LARGE QUANTITIES OF ANALYTE.
ALREADY PRESENT IN MATRIX./GA
PROB.:SAMPLE MATRIX SPIKE DUPLICATE
NOT WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./GA

ESE BATCH : G48837

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 : G48847
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOX)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : CHERYL GRANT
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 05/20/94 07:47:04
ANALYSIS DATE : 05/09/94
EXTRACT DATE : 05/06/94

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*28	WA04-3-20	05/10/94	12:39AM
CDMHNSS*31	WBG3-1-02	05/10/94	01:32AM
CDMHNSS*32	EWC1-1-00	05/10/94	02:25AM
CDMHNSS*33	WWC2-1-00	05/10/94	03:18AM

ESE BATCH : G48847

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: 05/09/94 LARGEST RESP=1881852 %RSD=3.8743 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	17414	92711	193253	478748	965719	1881852
CONC':	0.0007	0.004	0.019	0.040	0.099	0.201	0.400
R.T.:		11.0297	11.0285	11.0248	11.0226	11.0196	11.0175

CONC = 6.7903E-04+ 2.0251E-07*RESP+ 5.0958E-15*RESP**2+ *RESP**3
95% C.I.= 1.0150E-03 3.8720E-09 2.0486E-15
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/09/94 LARGEST RESP=537909 %RSD=14.4747 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3965	19526	38214	95802	221619	537909
CONC':	0.264	1.28	5.22	9.88	23.6	50.8	99.9
R.T.:		13.7994	13.7998	13.8007	13.8013	13.7999	13.7983

CONC = 2.6429E-01+ 2.5664E-04*RESP+ -1.3274E-10*RESP**2+ *RESP**3
95% C.I.= 9.0453E-01 1.3722E-05 2.5070E-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: 05/09/94 LARGEST RESP=499935 %RSD=13.1503 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3691	18678	36988	92934	212248	499935
CONC':	0.243	1.22	5.17	9.91	23.8	50.7	99.9
R.T.:		15.4122	15.4133	15.4137	15.4147	15.4136	15.4125

CONC = 2.4268E-01+ 2.6621E-04*RESP+ -1.3371E-10*RESP**2+ *RESP**3
95% C.I.= 7.8151E-01 1.2547E-05 2.4698E-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: 05/09/94 LARGEST RESP=349627 %RSD=11.0361 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2738	13880	27296	65412	143942	349627
CONC':	-.156	0.922	5.26	10.4	24.3	50.3	100.0
R.T.:		17.2350	17.2343	17.2338	17.2336	17.2329	17.2303

CONC = -1.5646E-01+ 3.9489E-04*RESP+ -3.1029E-10*RESP**2+ *RESP**3
95% C.I.= 4.7680E-01 1.0956E-05 3.0706E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/09/94 LARGEST RESP=658169 %RSD=6.3382 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5850	28853	56706	137561	292330	658169
CONC':	-.174	0.923	5.20	10.3	24.6	50.1	100.0
R.T.:		16.7213	16.7220	16.7230	16.7225	16.7215	16.7216

CONC = -1.7371E-01+ 1.8786E-04*RESP+ -5.4193E-11*RESP**2+ *RESP**3
95% C.I.= 3.1014E-01 3.6184E-06 5.4099E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.9 DATE: 05/09/94 LARGEST RESP=296176 %RSD=4.7672 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2616	13632	27214	65163	139380	296176

ESE BATCH : G48847

CONC':	-.026	0.975	5.17	10.3	24.3	50.4	99.9
R.T.:		15.7385	15.7372	15.7350	15.7353	15.7333	15.7314

CONC = -2.5855E-02+ 3.8297E-04*RESP+ -2.5335E-10*RESP**2+ *RESP**3
95% C.I.= 4.9141E-01 1.2454E-05 4.1560E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.3 DATE: 05/09/94 LARGEST RESP=686786 %RSD=18.4816 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4498	22672	45032	113698	279431	686786
CONC':	0.492	1.41	5.09	9.53	23.7	50.9	99.9
R.T.:		18.0654	18.0665	18.0669	18.0683	18.0684	18.0678

CONC = 4.9203E-01+ 2.0458E-04*RESP+ -8.7120E-11*RESP**2+ *RESP**3
95% C.I.= 9.3195E-01 1.1222E-05 1.6069E-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: 05/09/94 LARGEST RESP=587732 %RSD=10.7919 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4752	22726	45485	113106	252497	587732
CONC':	0.112	1.17	5.12	10.0	24.1	50.5	99.9
R.T.:		20.3828	20.3823	20.3834	20.3838	20.3838	20.3840

CONC = 1.1186E-01+ 2.2219E-04*RESP+ -8.9067E-11*RESP**2+ *RESP**3
95% C.I.= 5.8891E-01 7.9427E-06 1.3297E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/09/94 LARGEST RESP=480399 %RSD=10.7278 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4328	18644	37406	93014	206359	480399
CONC':	0.051	1.23	5.07	10.0	24.2	50.5	99.9
R.T.:		21.8130	21.8124	21.8138	21.8139	21.8145	21.8136

CONC = 5.0770E-02+ 2.7189E-04*RESP+ -1.3313E-10*RESP**2+ *RESP**3
95% C.I.= 5.3943E-01 8.8850E-06 1.8191E-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: 05/09/94 LARGEST RESP=470765 %RSD=10.0350 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3790	18608	37566	91435	202397	470765
CONC':	0.019	1.07	5.12	10.2	24.2	50.4	100.0
R.T.:		22.7637	22.7630	22.7639	22.7655	22.7645	22.7633

CONC = 1.9207E-02+ 2.7684E-04*RESP+ -1.3715E-10*RESP**2+ *RESP**3
95% C.I.= 5.2968E-01 8.8816E-06 1.8553E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.2 DATE: 05/09/94 LARGEST RESP=538129 %RSD=15.2323 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3720	19139	38620	97086	221614	538129
CONC':	0.238	1.19	5.11	9.96	23.9	50.6	99.9
R.T.:		23.0593	23.0600	23.0603	23.0616	23.0617	23.0612

CONC = 2.3794E-01+ 2.5698E-04*RESP+ -1.3330E-10*RESP**2+ *RESP**3
95% C.I.= 7.0268E-01 1.0637E-05 1.9419E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.05 DATE: 05/09/94 LARGEST RESP=339096 %RSD=19.1851 RT WINDOW:

CONC :	0	1	5	10	25	50	100

ESE BATCH : G48847

RESP :	0	1936	11830	24265	62103	142123	339096
CONC':	0.397	1.17	5.06	9.86	23.9	50.7	99.9
R.T.:		24.1108	24.1129	24.1108	24.1170	24.1185	24.1192

CONC = 3.9700E-01+ 3.9756E-04*RESP+ -3.0694E-10*RESP**2- *RESP**3
95% C.I.= 7.4868E-01 1.7872E-05 6.1887E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.06 DATE: 05/09/94 LARGEST RESP=229670 %RSD=20.4217 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2924	9132	18507	45547	100327	229670
CONC':	-.110	1.52	4.94	10.0	24.2	50.5	99.9
R.T.:		24.3683	24.3619	24.3571	24.3667	24.3675	24.3682

CONC = -1.1035E-01+ 5.5779E-04*RESP+ -5.3196E-10*RESP**2+ *RESP**3
95% C.I.= 6.0487E-01 2.0617E-05 8.8264E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/09/94 LARGEST RESP=328209 %RSD=6.2447 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2948	14073	28331	69828	145927	328209
CONC':	0.013	1.08	5.07	10.1	24.4	50.3	100.0
R.T.:		24.5197	24.5201	24.5180	24.5281	24.5301	24.5311

CONC = 1.3063E-02+ 3.6181E-04*RESP+ -1.7459E-10*RESP**2+ *RESP**3
95% C.I.= 3.8065E-01 8.8425E-06 2.6590E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.06 DATE: 05/09/94 LARGEST RESP=250486 %RSD=49.5352 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5407	10076	20442	50874	110154	250486
CONC':	-.454	2.29	4.64	9.79	24.4	50.4	99.9
R.T.:		25.0228	25.0259	25.0210	25.0315	25.0325	25.0337

CONC = -4.5381E-01+ 5.0992E-04*RESP+ -4.3556E-10*RESP**2+ *RESP**3
95% C.I.= 9.1621E-01 2.8382E-05 1.1116E-10
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/09/94 LARGEST RESP=332966 %RSD=5.7375 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2957	14222	31292	72597	153452	332966
CONC':	-.110	0.922	4.83	10.7	24.6	50.1	100.0
R.T.:		25.2785	25.2787	25.2744	25.2830	25.2843	25.2857

CONC = -1.1020E-01+ 3.4943E-04*RESP+ -1.4647E-10*RESP**2+ *RESP**3
95% C.I.= 4.5468E-01 1.0275E-05 3.0449E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/09/94 LARGEST RESP=297445 %RSD=9.8020 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2437	11667	24879	59218	137258	297445
CONC':	0.361	1.33	4.99	10.2	23.2	51.1	99.8
R.T.:		25.5530	25.5535	25.5504	25.5610	25.5625	25.5646

CONC = 3.6101E-01+ 3.9937E-04*RESP+ -2.1828E-10*RESP**2+ *RESP**3
95% C.I.= 1.1675E+00 3.0441E-05 1.0127E-10
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1.61 DATE: 05/09/94 LARGEST RESP=98499 %RSD=5.5201 RT WINDOW:

ESE BATCH : G48847

CONC :	0	1	5	10	25	50	100
RESP :	0	1064	4629	9559	23081	50719	98499
CONC':	0.349	1.41	4.95	9.85	23.4	51.2	99.8
R.T.:		26.9957	26.9943	26.9972	26.9994	27.0018	27.0022

CONC = 3.4903E-01+ 9.9409E-04*RESP+ 1.5604E-10*RESP**2+ *RESP**3
95% C.I.= 1.1705E+00 8.7340E-05 8.8322E-10
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.005 DATE: 05/09/94 LARGEST RESP=1363758 %RSD=3.6173 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	12232	65482	131943	320940	661234	1363758
CONC':	-.0001	0.004	0.020	0.041	0.099	0.200	0.400
R.T.:		30.7938	30.7994	30.7940	30.8056	30.8096	30.8121

CONC = -1.3411E-04+ 3.1289E-07*RESP+ -1.4322E-14*RESP**2+ *RESP**3
95% C.I.= 9.2060E-04 4.9597E-09 3.6018E-15
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/09/94 LARGEST RESP= %RSD= RT WINDOW

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/09/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/09/94 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: 05/09/94 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: 05/09/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/09/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/09/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/09/94 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: 05/09/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

ESE BATCH : G48847

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/10/94	CCS*IND6*1	39076*8080/3540-G	BHC, A	UG/KG-	538000	563000	105	80-120
05/10/94	CCS*IND6*1	39783*8080/3540-G	BHC, G(LINDANE	UG/KG-	500000	517000	103	80-120
05/10/94	CCS*IND6*1	34262*8080/3540-G	BHC, D	UG/KG-	349000	349000	100.0	80-120
05/10/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	658000	659000	100	80-120
05/10/94	CCS*IND6*1	34257*8080/3540-G	BHC, B	UG/KG-	296000	281000	94.9	80-120
05/10/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	687000	683000	99.4	80-120
05/10/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	588000	583000	99.1	80-120
05/10/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN, A	UG/KG-	480000	456000	95.0	80-120
05/10/94	CCS*IND6*1	39321*8080/3540-G	DDE, PP'	UG/KG-	471000	441000	93.6	80-120
05/10/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	538000	528000	98.1	80-120
05/10/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	339000	339000	100.0	80-120
05/10/94	CCS*IND6*1	39311*8080/3540-G	DDD, PP'	UG/KG-	230000	217000	94.3	80-120
05/10/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN, B	UG/KG-	328000	324000	98.8	80-120
05/10/94	CCS*IND6*1	39301*8080/3540-G	DDT, PP'	UG/KG-	250000	243000	97.2	80-120
05/10/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	333000	304000	91.3	80-120
05/10/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	297000	283000	95.3	80-120
05/10/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	98500	99200	101	80-120
05/10/94	CCS*IND6*2	39076*8080/3540-G	BHC, A	UG/KG-	538000	544000	101	80-120
05/10/94	CCS*IND6*2	39783*8080/3540-G	BHC, G(LINDANE	UG/KG-	500000	503000	101	80-120
05/10/94	CCS*IND6*2	34262*8080/3540-G	BHC, D	UG/KG-	349000	349000	100.0	80-120
05/10/94	CCS*IND6*2	39413*8080/3540-G	HEPTACHLOR	UG/KG-	658000	658000	100.0	80-120
05/10/94	CCS*IND6*2	34257*8080/3540-G	BHC, B	UG/KG-	296000	284000	95.9	80-120
05/10/94	CCS*IND6*2	39333*8080/3540-G	ALDRIN	UG/KG-	687000	683000	99.4	80-120
05/10/94	CCS*IND6*2	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	588000	588000	100.0	80-120
05/10/94	CCS*IND6*2	34364*8080/3540-G	ENDOSULFAN, A	UG/KG-	480000	476000	99.2	80-120
05/10/94	CCS*IND6*2	39321*8080/3540-G	DDE, PP'	UG/KG-	471000	463000	98.3	80-120
05/10/94	CCS*IND6*2	39383*8080/3540-G	DIELDRIN	UG/KG-	538000	540000	100	80-120
05/10/94	CCS*IND6*2	39393*8080/3540-G	ENDRIN	UG/KG-	339000	356000	105	80-120
05/10/94	CCS*IND6*2	39311*8080/3540-G	DDD, PP'	UG/KG-	230000	220000	95.7	80-120
05/10/94	CCS*IND6*2	34359*8080/3540-G	ENDOSULFAN, B	UG/KG-	328000	334000	102	80-120
05/10/94	CCS*IND6*2	39301*8080/3540-G	DDT, PP'	UG/KG-	250000	253000	101	80-120
05/10/94	CCS*IND6*2	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	333000	326000	97.9	80-120
05/10/94	CCS*IND6*2	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	297000	303000	102	80-120
05/10/94	CCS*IND6*2	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	98500	101000	103	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/09/94	MB*QC*1	39076*8080/3540-G	BHC, A	UG/KG-	ND
05/09/94	MB*QC*1	39783*8080/3540-G	BHC, G(LINDANE)	UG/KG-	ND
05/09/94	MB*QC*1	34262*8080/3540-G	BHC, D	UG/KG-	ND
05/09/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
05/09/94	MB*QC*1	34257*8080/3540-G	BHC, B	UG/KG-	ND
05/09/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
05/09/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
05/09/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN, A	UG/KG-	ND
05/09/94	MB*QC*1	39321*8080/3540-G	DDE, PP'	UG/KG-	ND
05/09/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
05/09/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
05/09/94	MB*QC*1	39311*8080/3540-G	DDD, PP'	UG/KG-	ND
05/09/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN, B	UG/KG-	ND
05/09/94	MB*QC*1	39301*8080/3540-G	DDT, PP'	UG/KG-	ND
05/09/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
05/09/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
05/09/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND

ESE BATCH : G48847

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/09/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
05/09/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
05/09/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
05/09/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
05/09/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
05/09/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
05/09/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
05/09/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
05/09/94	MB*QC*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
05/09/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	110.8	45-129	UG/KG-	33.3	36.9
05/09/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	104.2	30-148	UG/KG-	33.3	34.7
05/09/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	93.7	53-133	UG/KG-	33.3	31.2
05/09/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	97.5	46-140	UG/KG-	66.7	65.0
05/09/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	103.3	52-126	UG/KG-	66.7	68.9
05/09/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	121.1	37-155	UG/KG-	66.7	80.8
05/09/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
05/09/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
05/09/94	SP1*QC*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
05/09/94	SPM1*CDMHNSS*28	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39783*8080/3540-G	BHC,G(LINDANE)	109.9	45-129	0.166	UG/KG-	34.2	37.6
05/09/94	SPM1*CDMHNSS*28	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39413*8080/3540-G	HEPTACHLOR	94.7	30-148	0.0	UG/KG-	34.2	32.4
05/09/94	SPM1*CDMHNSS*28	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39333*8080/3540-G	ALDRIN	86.0	53-133	0.337	UG/KG-	34.2	29.4
05/09/94	SPM1*CDMHNSS*28	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39383*8080/3540-G	DIELDRIN	92.1	46-140	0.163	UG/KG-	68.4	63.0
05/09/94	SPM1*CDMHNSS*28	39393*8080/3540-G	ENDRIN	98.1	52-126	0.272	UG/KG-	68.4	67.1
05/09/94	SPM1*CDMHNSS*28	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39301*8080/3540-G	DDT,PP'	108.9	37-155	0.0	UG/KG-	68.4	74.5
05/09/94	SPM1*CDMHNSS*28	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*28	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39783*8080/3540-G	BHC,G(LINDANE)	100.0	45-129	0.166	UG/KG-	34.2	34.2
05/09/94	SPM2*CDMHNSS*28	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39413*8080/3540-G	HEPTACHLOR	87.1	30-148	0.0	UG/KG-	34.2	29.8

ESE BATCH : G48847

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/09/94	SPM2*CDMHNSS*28	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39333*8080/3540-G	ALDRIN	75.4	53-133	0.337	UG/KG-	34.2	25.8
05/09/94	SPM2*CDMHNSS*28	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39383*8080/3540-G	DIELDRIN	86.1	46-140	0.163	UG/KG-	68.4	58.9
05/09/94	SPM2*CDMHNSS*28	39393*8080/3540-G	ENDRIN	92.5	52-126	0.272	UG/KG-	68.4	63.3
05/09/94	SPM2*CDMHNSS*28	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39301*8080/3540-G	DDT,PP'	96.6	37-155	0.0	UG/KG-	68.4	66.1
05/09/94	SPM2*CDMHNSS*28	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*28	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
05/09/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.073	109	67-119
05/09/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.073	109	51-169
05/09/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.074	110	67-119
05/09/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.081	121	51-169
05/09/94	SPM1*CDMHNSS*28	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.066	98.5	67-119
05/09/94	SPM1*CDMHNSS*28	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.069	103	51-169
05/09/94	SPM2*CDMHNSS*28	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.058	86.6	67-119
05/09/94	SPM2*CDMHNSS*28	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.070	104	51-169
05/10/94	DA*CDMHNSS*28	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.062	92.5	67-119
05/10/94	DA*CDMHNSS*28	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.063	94.0	51-169
05/10/94	DA*CDMHNSS*31	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.076	113	67-119
05/10/94	DA*CDMHNSS*31	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.080	119	51-169
05/10/94	DA*CDMHNSS*32	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.059	88.1	67-119
05/10/94	DA*CDMHNSS*32	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.066	98.5	51-169
05/10/94	DA*CDMHNSS*33	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.066	98.5	67-119
05/10/94	DA*CDMHNSS*33	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.079	118	51-169
05/10/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1880000	1870000	99.5	67-119
05/10/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	1360000	1250000	91.9	51-169
05/10/94	CCS*IND6*2	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1880000	1890000	101	67-119
05/10/94	CCS*IND6*2	96343*SUR	DECACHLOROBIPHENYL	UG/G	1360000	1290000	94.9	51-169

ESE BATCH : G48847

Environmental Science and Engineering; Analytical Services

Computer QC Checks

Batch No.: G48847 Analysis Date: 05/09/94 Analyst: GREG AYOUB

		"Exceptions"	
	Yes	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		
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	TCX _____
			DCBP _____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G48847

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 : G49096
CLASSIFICATION : CHL. PESTS - CLP SOW OLM01.8

QC TYPE : FDER/SW
ANALYST : VICTOR BAUDER
EXTRACTOR : Z. MATHIS
DATA ENTRY : CLP UPLOAD

REPORT DATE/TIME : 05/20/94 07:51:38
ANALYSIS DATE : 05/08/94
EXTRACT DATE : 05/06/94

STATUS :

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*30	WSV2-1-01	05/09/94	08:41AM
CDMHNSS*29	WA04-4-08	05/09/94	09:26AM

ESE BATCH : G49096

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 39076 METHOD: CLP90 alpha-BHC, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=1084672 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	18352	76774	387764
CONC':			
R.T.:	7.038	7.039	7.042

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=793595.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	42910	196745	1014234
CONC':			
R.T.:	5.125	5.129	5.131

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

STORET: 34257 METHOD: CLP90 beta-BHC, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=566292 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	13716	55152	232454
CONC':			
R.T.:	8.438	8.440	8.441

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=150994(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	31388	126014	519294
CONC':			
R.T.:	7.882	7.886	7.889

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

STORET: 34262 METHOD: CLP90 delta-BHC, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=1019397 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	16310	65862	304779
CONC':			
R.T.:	9.713	9.714	9.717

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=212357(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	38758	169307	874969
CONC':			
R.T.:	8.584	8.588	8.592

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

ESE BATCH : G49096

STORET: 39783 METHOD: CLP90 gamma-BHC (Lindane), UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=420690.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	19184	78770	378832
CONC':			
R.T.:	8.217	8.217	8.220

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=760314.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	45298	200735	988145
CONC':			
R.T.:	5.931	5.935	5.937

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

STORET: 39413 METHOD: CLP90 Heptachlor, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=433933.00 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	30709	116414	488764
CONC':			
R.T.:	9.302	9.302	9.306

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=765681.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	70207	264589	1087800
CONC':			
R.T.:	6.397	6.400	6.401

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

STORET: 39333 METHOD: CLP90 Aldrin, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=103530 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	21266	83808	394990
CONC':			
R.T.:	10.497	10.499	10.503

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=238381(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	47037	193004	888270
CONC':			
R.T.:	7.070	7.073	7.077

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

STORET: 39423 METHOD: CLP90 Heptachlor epoxide, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=432320.06 %RSD= RT WINDOW:

ESE BATCH : G49096

CONC :	5	20	80
RESP :	24317	92742	337963
CONC':			
R.T.:	12.800	12.801	12.804

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=269363(USER DEFINED %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	58642	225097	928518
CONC':			
R.T.:	9.052	9.054	9.057

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

STORET: 34364 METHOD: CLP90 Endosulfan I, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=350246.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	21060	80484	336450
CONC':			
R.T.:	14.298	14.298	14.302

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=643625.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	54270	206308	859916
CONC':			
R.T.:	9.927	9.931	9.933

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

STORET: 39383 METHOD: CLP90 Dieldrin, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=735074.00 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	39343	158907	819984
CONC':			
R.T.:	15.490	15.489	15.494

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=1326938.50 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	96251	388330	1783170
CONC':			
R.T.:	11.273	11.278	11.280

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

STORET: 39321 METHOD: CLP90 4,4'-DDE, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=786112.50 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	36278	150314	785771
CONC':			
R.T.:	15.310	15.312	15.316

ESE BATCH : G49096

CONC = + *RESP+ *RESP**2+ *RESP**3

95% C.I.=

CORRELATION COEFFICIENT =

CALIBRATION CURVE # 2

DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=452598(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	77704	326330	1580142
CONC':			
R.T.:	10.827	10.831	10.834

CONC = + *RESP+ *RESP**2+ *RESP**3

95% C.I.=

CORRELATION COEFFICIENT =

STORET: 39393 METHOD: CLP90 Endrin, UG/KG-DRY MRF

CALIBRATION CURVE # 1

DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=746274.75 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	34416	140946	733282
CONC':			
R.T.:	16.753	16.755	16.759

CONC = + *RESP+ *RESP**2+ *RESP**3

95% C.I.=

CORRELATION COEFFICIENT =

CALIBRATION CURVE # 2

DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=1361522.00 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	92796	373501	1700302
CONC':			
R.T.:	12.020	12.024	12.028

CONC = + *RESP+ *RESP**2+ *RESP**3

95% C.I.=

CORRELATION COEFFICIENT =

STORET: 34359 METHOD: CLP90 Endosulfan II, UG/KG-DRY MRF

CALIBRATION CURVE # 1

DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=1372087 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	37212	147556	649288
CONC':			
R.T.:	17.360	17.362	17.365

CONC = + *RESP+ *RESP**2+ *RESP**3

95% C.I.=

CORRELATION COEFFICIENT =

CALIBRATION CURVE # 2

DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=1417602(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	101152	397960	1656071
CONC':			
R.T.:	14.072	14.075	14.078

CONC = + *RESP+ *RESP**2+ *RESP**3

95% C.I.=

CORRELATION COEFFICIENT =

STORET: 39311 METHOD: CLP90 4,4'-DDD, UG/KG-DRY MRF

CALIBRATION CURVE # 1

DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=506572.00 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	28032	116662	584714
CONC':			
R.T.:	17.236	17.236	17.239

CONC = + *RESP+ *RESP**2+ *RESP**3

95% C.I.=

CORRELATION COEFFICIENT =

CALIBRATION CURVE # 2

ESE BATCH : G49096
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=3:9752(USER DEFINED) %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 61358 256568 1290131
CONC':
R.T.: 14.059 14.064 14.065

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

STORET: 34354 METHOD: CLP90 Endosulfan sulfate, UG/KG DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=675025.44 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 40591 167066 733589
CONC':
R.T.: 18.751 18.753 18.757

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=1253101(USER DEFINED) %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 88239 352184 1466929
CONC':
R.T.: 16.593 16.595 16.598

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

STORET: 39301 METHOD: CLP90 4,4'-DDT, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=628171.13 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 35102 150108 769841
CONC':
R.T.: 18.152 18.153 18.156

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=920446.50 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 76460 322182 1525857
CONC':
R.T.: 14.671 14.674 14.678

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

STORET: 39481 METHOD: CLP90 Methoxychlor, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=50 DATE: 05/08/94 LARGEST RESP=1684549.00 %RSD= RT WINDOW:
CONC : 50 200 800
RESP : 141448 608275 2541496
CONC':
R.T.: 20.640 20.643 20.643

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

CALIBRATION CURVE # 2
DETECTION LIMIT=50 DATE: 05/08/94 LARGEST RESP=3130260.75 %RSD= RT WINDOW:
CONC : 50 200 800
RESP : 285012 1105362 4014530
CONC':
R.T.: 16.840 16.843 16.844

ESE BATCH : G49096

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

STORET: 98591 METHOD: CLP90 Endrin ketone, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=812739.38 %RSD= RT WINDOW

CONC :	10	40	160
RESP :	37504	160980	726815
CONC':			
R.T.:	20.875	20.877	20.879

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=1362709(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	84633	374462	1634222
CONC':			
R.T.:	17.701	17.704	17.706

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

STORET: 34369 METHOD: CLP90 Endrin aldehyde, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=520752.91 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	31776	125255	502792
CONC':			
R.T.:	18.388	18.389	18.392

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=932645(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	58322	292394	1131743
CONC':			
R.T.:	15.571	15.574	15.577

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

STORET: 97501 METHOD: CLP90 alpha-Chlordane, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=327195 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	27780	109594	461846
CONC':			
R.T.:	14.213	14.216	14.220

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=345818(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	60978	238041	975490
CONC':			
R.T.:	10.377	10.380	10.383

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

ESE BATCH : G49096

STORET: 39811 METHOD: CLP90 gamma-Chlordane, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=329703(USER DEFINED) %RSD= RT WINDOW:
CONC : 5 20 80
RESP : 29030 110812 450789
CONC':
R.T.: 13.512 13.513 13.517

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=277097(USER DEFINED) %RSD= RT WINDOW:
CONC : 5 20 80
RESP : 63963 244002 967321
CONC':
R.T.: 10.180 10.183 10.186

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

STORET: 39403 METHOD: CLP90 Toxaphene, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=500 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39514 METHOD: CLP90 Aroclor-1016, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39491 METHOD: CLP90 Aroclor-1221, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=200 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=200 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39495 METHOD: CLP90 Aroclor-1232, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39499 METHOD: CLP90 Aroclor-1242, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39503 METHOD: CLP90 Aroclor-1248, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39507 METHOD: CLP90 Aroclor-1254, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49096
CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39511 METHOD: CLP90 Aroclor-1260, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/08/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 96999 METHOD: SUR TETRACHLORO-M-XYLENE (CLP90:, UG/KG MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=419677(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	5	20	20	80	80
RESP :	22306	22272	93190	93488	419677	419518
CONC':						
R.T.:	5.341	5.340	5.341	5.342	5.342	5.342

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/08/94 LARGEST RESP=748959(USER DEFINED. %RSD= RT WINDOW:

CONC :	5	5	20	20	80	80
RESP :	48635	47559	187618	187838	748262	748959
CONC':						
R.T.:	3.711	3.711	3.712	3.712	3.713	3.712

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

STORET: 95000 METHOD: SUR DECACHLOROBIPHENYL, UG/KG MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=908002(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	10	40	40	160	160
RESP :	58089	58221	217926	221761	900238	908002
CONC':						
R.T.:	25.119	25.116	25.121	25.120	25.125	25.125

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/08/94 LARGEST RESP=1871442(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	10	40	40	160	160
RESP :	141832	139984	522011	524546	1871442	1859745
CONC':						
R.T.:	19.895	19.897	19.899	19.898	19.898	19.899

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

ESE BATCH : G49096

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/09/94	CCS*INDAM*2	39076*CLP90	alpha-BHC	UG/KG-	20.0	19.5	97.5	80-120
05/09/94	CCS*INDAM*2	34257*CLP90	beta-BHC	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	34262*CLP90	delta-BHC	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	20.0	19.5	97.5	80-120
05/09/94	CCS*INDAM*2	39413*CLP90	Heptachlor	UG/KG-	20.0	19.3	96.5	80-120
05/09/94	CCS*INDAM*2	39333*CLP90	Aldrin	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39423*CLP90	Heptachlor epoxide	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	34364*CLP90	Endosulfan I	UG/KG-	20.0	19.4	97.0	80-120
05/09/94	CCS*INDAM*2	39383*CLP90	Dieldrin	UG/KG-	40.0	38.9	97.3	80-120
05/09/94	CCS*INDAM*2	39321*CLP90	4,4'-DDE	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39393*CLP90	Endrin	UG/KG-	40.0	39.2	98.0	80-120
05/09/94	CCS*INDAM*2	34359*CLP90	Endosulfan II	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39311*CLP90	4,4'-DDD	UG/KG-	40.0	38.7	96.8	80-120
05/09/94	CCS*INDAM*2	34354*CLP90	Endosulfan sulfate	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39301*CLP90	4,4'-DDT	UG/KG-	40.0	39.0	97.5	80-120
05/09/94	CCS*INDAM*2	39481*CLP90	Methoxychlor	UG/KG-	200	197	98.5	80-120
05/09/94	CCS*INDAM*2	98591*CLP90	Endrin ketone	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	34369*CLP90	Endrin aldehyde	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	97501*CLP90	alpha-Chlordane	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39811*CLP90	gamma-Chlordane	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39076*CLP90	alpha-BHC	UG/KG-	20.0	20.0	100.0	80-120
05/09/94	CCS*INDAM*2*C	34257*CLP90	beta-BHC	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	34262*CLP90	delta-BHC	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	20.0	20.0	100.0	80-120
05/09/94	CCS*INDAM*2*C	39413*CLP90	Heptachlor	UG/KG-	20.0	20.0	100.0	80-120
05/09/94	CCS*INDAM*2*C	39333*CLP90	Aldrin	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39423*CLP90	Heptachlor epoxide	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	34364*CLP90	Endosulfan I	UG/KG-	20.0	20.0	100.0	80-120
05/09/94	CCS*INDAM*2*C	39383*CLP90	Dieldrin	UG/KG-	40.0	40.0	100.0	80-120
05/09/94	CCS*INDAM*2*C	39321*CLP90	4,4'-DDE	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39393*CLP90	Endrin	UG/KG-	40.0	39.9	99.8	80-120
05/09/94	CCS*INDAM*2*C	34359*CLP90	Endosulfan II	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39311*CLP90	4,4'-DDD	UG/KG-	40.0	40.2	101	80-120
05/09/94	CCS*INDAM*2*C	34354*CLP90	Endosulfan sulfate	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39301*CLP90	4,4'-DDT	UG/KG-	40.0	40.0	100.0	80-120
05/09/94	CCS*INDAM*2*C	39481*CLP90	Methoxychlor	UG/KG-	200	201	101	80-120
05/09/94	CCS*INDAM*2*C	98591*CLP90	Endrin ketone	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	34369*CLP90	Endrin aldehyde	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	97501*CLP90	alpha-Chlordane	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39811*CLP90	gamma-Chlordane	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/09/94	CCS*INDAM*2*C	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39076*CLP90	alpha-BHC	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	34257*CLP90	beta-BHC	UG/KG-	20.0	19.1	95.5	80-120
05/09/94	CCS*INDBM*2	34262*CLP90	delta-BHC	UG/KG-	20.0	19.3	96.5	80-120
05/09/94	CCS*INDBM*2	39783*CLP90	gamma-BHC (Lindane)	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39413*CLP90	Heptachlor	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39333*CLP90	Aldrin	UG/KG-	20.0	19.2	96.0	80-120
05/09/94	CCS*INDBM*2	39423*CLP90	Heptachlor epoxide	UG/KG-	20.0	19.3	96.5	80-120
05/09/94	CCS*INDBM*2	34364*CLP90	Endosulfan I	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39383*CLP90	Dieldrin	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39321*CLP90	4,4'-DDE	UG/KG-	40.0	38.0	95.0	80-120
05/09/94	CCS*INDBM*2	39393*CLP90	Endrin	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	34359*CLP90	Endosulfan II	UG/KG-	40.0	38.9	97.3	80-120
05/09/94	CCS*INDBM*2	39311*CLP90	4,4'-DDD	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	34354*CLP90	Endosulfan sulfate	UG/KG-	40.0	37.8	94.5	80-120
05/09/94	CCS*INDBM*2	39301*CLP90	4,4'-DDT	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39481*CLP90	Methoxychlor	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	98591*CLP90	Endrin ketone	UG/KG-	40.0	38.1	95.3	80-120

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Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/09/94	CCS*INDBM*2	34369*CLP90	Endrin aldehyde	UG/KG-	40.0	38.4	96.0	80-120
05/09/94	CCS*INDBM*2	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	18.8	94.0	80-120
05/09/94	CCS*INDBM*2	39811*CLP90	gamma-Chlordane	UG/KG-	20.0	19.3	96.5	80-120
05/09/94	CCS*INDBM*2	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39076*CLP90	alpha-BHC	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	34257*CLP90	beta-BHC	UG/KG-	20.0	20.0	100.0	80-120
05/09/94	CCS*INDBM*2*C	34262*CLP90	delta-BHC	UG/KG-	20.0	20.0	100.0	80-120
05/09/94	CCS*INDBM*2*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39413*CLP90	Heptachlor	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39333*CLP90	Aldrin	UG/KG-	20.0	20.0	100.0	80-120
05/09/94	CCS*INDBM*2*C	39423*CLP90	Heptachlor epoxide	UG/KG-	20.0	20.1	101	80-120
05/09/94	CCS*INDBM*2*C	34364*CLP90	Endosulfan I	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39383*CLP90	Dieldrin	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39321*CLP90	4,4'-DDE	UG/KG-	40.0	40.2	101	80-120
05/09/94	CCS*INDBM*2*C	39393*CLP90	Endrin	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	34359*CLP90	Endosulfan II	UG/KG-	40.0	40.2	101	80-120
05/09/94	CCS*INDBM*2*C	39311*CLP90	4,4'-DDD	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	34354*CLP90	Endosulfan sulfate	UG/KG-	40.0	40.2	101	80-120
05/09/94	CCS*INDBM*2*C	39301*CLP90	4,4'-DDT	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39481*CLP90	Methoxychlor	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	98591*CLP90	Endrin ketone	UG/KG-	40.0	40.1	100	80-120
05/09/94	CCS*INDBM*2*C	34369*CLP90	Endrin aldehyde	UG/KG-	40.0	40.1	100	80-120
05/09/94	CCS*INDBM*2*C	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	20.4	102	80-120
05/09/94	CCS*INDBM*2*C	39811*CLP90	gamma-Chlordane	UG/KG-	20.0	19.8	99.0	80-120
05/09/94	CCS*INDBM*2*C	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/09/94	CCS*INDBM*2*C	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/09/94	MB*QC*1	39076*CLP90	alpha-BHC	UG/KG-	ND
05/09/94	MB*QC*1	34257*CLP90	beta-BHC	UG/KG-	ND
05/09/94	MB*QC*1	34262*CLP90	delta-BHC	UG/KG-	ND
05/09/94	MB*QC*1	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	ND
05/09/94	MB*QC*1	39413*CLP90	Heptachlor	UG/KG-	ND
05/09/94	MB*QC*1	39333*CLP90	Aldrin	UG/KG-	ND
05/09/94	MB*QC*1	39423*CLP90	Heptachlor epoxide	UG/KG-	ND
05/09/94	MB*QC*1	34364*CLP90	Endosulfan I	UG/KG-	ND
05/09/94	MB*QC*1	39383*CLP90	Dieldrin	UG/KG-	ND
05/09/94	MB*QC*1	39321*CLP90	4,4'-DDE	UG/KG-	ND
05/09/94	MB*QC*1	39393*CLP90	Endrin	UG/KG-	ND
05/09/94	MB*QC*1	34359*CLP90	Endosulfan II	UG/KG-	ND
05/09/94	MB*QC*1	39311*CLP90	4,4'-DDD	UG/KG-	ND
05/09/94	MB*QC*1	34354*CLP90	Endosulfan sulfate	UG/KG-	ND
05/09/94	MB*QC*1	39301*CLP90	4,4'-DDT	UG/KG-	ND
05/09/94	MB*QC*1	39481*CLP90	Methoxychlor	UG/KG-	ND
05/09/94	MB*QC*1	98591*CLP90	Endrin ketone	UG/KG-	ND
05/09/94	MB*QC*1	34369*CLP90	Endrin aldehyde	UG/KG-	ND
05/09/94	MB*QC*1	97501*CLP90	alpha-Chlordane	UG/KG-	ND
05/09/94	MB*QC*1	39811*CLP90	gamma-Chlordane	UG/KG-	ND
05/09/94	MB*QC*1	39403*CLP90	Toxaphene	UG/KG-	ND
05/09/94	MB*QC*1	39514*CLP90	Aroclor-1016	UG/KG-	ND
05/09/94	MB*QC*1	39491*CLP90	Aroclor-1221	UG/KG-	ND
05/09/94	MB*QC*1	39495*CLP90	Aroclor-1232	UG/KG-	ND
05/09/94	MB*QC*1	39499*CLP90	Aroclor-1242	UG/KG-	ND
05/09/94	MB*QC*1	39503*CLP90	Aroclor-1248	UG/KG-	ND
05/09/94	MB*QC*1	39507*CLP90	Aroclor-1254	UG/KG-	ND
05/09/94	MB*QC*1	39511*CLP90	Aroclor-1260	UG/KG-	ND

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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
05/09/94	SPM1*CDMHNSS*30	39076*CLP90	alpha-BHC		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	34257*CLP90	beta-BHC		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	34262*CLP90	delta-BHC		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39783*CLP90	gamma-BHC (Lindane)	90.6	46.5-126.5	0.0	UG/KG-	17.1	15.5
05/09/94	SPM1*CDMHNSS*30	39413*CLP90	Heptachlor	81.9	35.5-129.5	0.0	UG/KG-	17.1	14.0
05/09/94	SPM1*CDMHNSS*30	39333*CLP90	Aldrin	77.8	34-132	0.0	UG/KG-	17.1	13.3
05/09/94	SPM1*CDMHNSS*30	39423*CLP90	Heptachlor epoxide		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	34364*CLP90	Endosulfan I		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39383*CLP90	Dieldrin	90.9	31.5-133.5	0.0	UG/KG-	34.2	31.1
05/09/94	SPM1*CDMHNSS*30	39321*CLP90	4,4'-DDE		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39393*CLP90	Endrin	88.0	42.5-138.5	0.0	UG/KG-	34.2	30.1
05/09/94	SPM1*CDMHNSS*30	34359*CLP90	Endosulfan II		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39311*CLP90	4,4'-DDD		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	34354*CLP90	Endosulfan sulfate		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39301*CLP90	4,4'-DDT	92.4	23.5-133.5	14.5	UG/KG-	34.2	31.6
05/09/94	SPM1*CDMHNSS*30	39481*CLP90	Methoxychlor		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	98591*CLP90	Endrin ketone		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	34369*CLP90	Endrin aldehyde		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	97501*CLP90	alpha-Chlordane		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39811*CLP90	gamma-Chlordane		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39403*CLP90	Toxaphene		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39514*CLP90	Aroclor-1016		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39491*CLP90	Aroclor-1221		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39495*CLP90	Aroclor-1232		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39499*CLP90	Aroclor-1242		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39503*CLP90	Aroclor-1248		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39507*CLP90	Aroclor-1254		80-120	0.0	UG/KG-		ND
05/09/94	SPM1*CDMHNSS*30	39511*CLP90	Aroclor-1260		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39076*CLP90	alpha-BHC		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	34257*CLP90	beta-BHC		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	34262*CLP90	delta-BHC		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39783*CLP90	gamma-BHC (Lindane)	119.3	46.5-126.5	0.0	UG/KG-	17.1	20.4
05/09/94	SPM2*CDMHNSS*30	39413*CLP90	Heptachlor	103.5	35.5-129.5	0.0	UG/KG-	17.1	17.7
05/09/94	SPM2*CDMHNSS*30	39333*CLP90	Aldrin	101.2	34-132	0.0	UG/KG-	17.1	17.3
05/09/94	SPM2*CDMHNSS*30	39423*CLP90	Heptachlor epoxide		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	34364*CLP90	Endosulfan I		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39383*CLP90	Dieldrin	116.7	31.5-133.5	0.0	UG/KG-	34.2	39.9
05/09/94	SPM2*CDMHNSS*30	39321*CLP90	4,4'-DDE		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39393*CLP90	Endrin	114.3	42.5-138.5	0.0	UG/KG-	34.2	39.1
05/09/94	SPM2*CDMHNSS*30	34359*CLP90	Endosulfan II		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39311*CLP90	4,4'-DDD		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	34354*CLP90	Endosulfan sulfate		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39301*CLP90	4,4'-DDT	127.8	23.5-133.5	14.5	UG/KG-	34.2	43.7
05/09/94	SPM2*CDMHNSS*30	39481*CLP90	Methoxychlor		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	98591*CLP90	Endrin ketone		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	34369*CLP90	Endrin aldehyde		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	97501*CLP90	alpha-Chlordane		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39811*CLP90	gamma-Chlordane		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39403*CLP90	Toxaphene		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39514*CLP90	Aroclor-1016		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39491*CLP90	Aroclor-1221		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39495*CLP90	Aroclor-1232		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39499*CLP90	Aroclor-1242		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39503*CLP90	Aroclor-1248		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39507*CLP90	Aroclor-1254		80-120	0.0	UG/KG-		ND
05/09/94	SPM2*CDMHNSS*30	39511*CLP90	Aroclor-1260		80-120	0.0	UG/KG-		ND

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/09/94	CCS*INDAM*2	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.6	98.0	60-150
05/09/94	CCS*INDAM*2	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	38.7	96.8	60-150
05/09/94	CCS*INDAM*2*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	20.0	100.0	60-150
05/09/94	CCS*INDAM*2*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.0	100.0	60-150
05/09/94	CCS*INDBM*2	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.3	96.5	60-150
05/09/94	CCS*INDBM*2	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	39.1	97.8	60-150
05/09/94	CCS*INDBM*2*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.9	99.5	60-150
05/09/94	CCS*INDBM*2*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.3	101	60-150
05/09/94	MB*QC*1	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	11.3	85.0	60-150

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Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/09/94	MB*QC*1	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	13.0	97.7	60-150
05/09/94	DA*CDMHNSS*30	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	13.0	97.7	60-150
05/09/94	DA*CDMHNSS*30	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	12.9	97.0	60-150
05/09/94	DA*CDMHNSS*29	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	9.73	73.2	60-150
05/09/94	DA*CDMHNSS*29	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	12.3	92.5	60-150
05/09/94	SPM1*CDMHNSS*30	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	11.3	85.0	60-150
05/09/94	SPM1*CDMHNSS*30	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	11.6	87.2	60-150
05/09/94	SPM2*CDMHNSS*30	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	14.6	110	60-150
05/09/94	SPM2*CDMHNSS*30	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	14.4	108	60-150

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Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49096 Analysis Date: 05/08/94 Analyst: VICTOR BAUDER

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?		X	_____
Standard matrix spike within acceptance criteria?			
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	"CX _____
			:XCBP _____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49096

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 : G49161
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOX)

QC TYPE	: FDER/SW	REPORT DATE/TIME	: 05/20/94 07:48:26
ANALYST	: GREG AYOUB	ANALYSIS DATE	: 05/14/94
EXTRACTOR	: DONNA CREWS	EXTRACT DATE	: 05/12/94
DATA ENTRY	: GREG AYOUB		

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*34	EA01-2-05	05/15/94	08:28AM
CDMHNSS*35	EA01-3-05	05/15/94	09:08AM

ESE BATCH : G49161

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: 05/14/94 LARGEST RESP=1793825 %RSD=5.3438 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	16622	87497	186468	474964	955660	1793825
CONC':	0.002	0.005	0.019	0.039	0.098	0.201	0.400
R.T.:		11.047	11.041	11.037	11.033	11.028	11.025

CONC = 1.6607E-03+ 1.9614E-07*RESP+ 1.4309E-14*RESP**2+ *RESP**3
95% C.I.= 2.1911E-03 8.6996E-09 4.8501E-15
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=.004 DATE: 05/16/94 LARGEST RESP=1951156 %RSD=7.6411 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	15871	89651	178444	485050	940998	1951156
CONC':	0.0009	0.004	0.020	0.038	0.102	0.199	0.400
R.T.:		11.052	11.046	11.047	11.038	11.034	11.028

CONC = 9.2290E-04+ 2.0862E-07*RESP+ -2.0850E-15*RESP**2+ *RESP**3
95% C.I.= 1.5425E-03 5.7590E-09 2.9347E-15
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=395742 %RSD=6.9453 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3663	17152	33738	81746	176831	395742
CONC':	-.100	1.04	5.19	10.2	24.4	50.3	100.0
R.T.:		13.811	13.810	13.809	13.808	13.806	13.805

CONC = -1.0046E-01+ 3.1122E-04*RESP+ -1.4751E-10*RESP**2+ *RESP**3
95% C.I.= 4.3932E-01 8.5469E-06 2.1268E-11
CORRELATION COEFFICIENT = 1.0000

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=489868 %RSD=12.6978 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3736	18586	35639	91078	197027	489868
CONC':	-.083	0.994	5.22	9.99	24.8	50.1	100.0
R.T.:		13.812	13.812	13.814	13.812	13.812	13.807

CONC = -8.2597E-02+ 2.8868E-04*RESP+ -1.7229E-10*RESP**2+ *RESP**3
95% C.I.= 1.8740E-01 3.1076E-06 6.2130E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=374245 %RSD=6.0852 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3453	16264	32656	79205	170601	374245
CONC':	-.042	1.06	5.11	10.2	24.4	50.3	100.0
R.T.:		15.423	15.422	15.421	15.420	15.419	15.418

CONC = -4.1971E-02+ 3.1892E-04*RESP+ -1.3820E-10*RESP**2+ *RESP**3
95% C.I.= 4.3451E-01 8.8561E-06 2.3341E-11
CORRELATION COEFFICIENT = 1.0000

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=455966 %RSD=11.1194 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3532	17742	34588	89118	191263	455966
CONC':	-.010	1.02	5.14	9.93	24.8	50.1	100.0
R.T.:		15.424	15.423	15.424	15.423	15.422	15.420

CONC = -1.0230E-02+ 2.9299E-04*RESP+ -1.6159E-10*RESP**2+ *RESP**3
95% C.I.= 1.4701E-01 2.5610E-06 5.5162E-12
CORRELATION COEFFICIENT = 1.0000

ESE BATCH : G49161

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=240106 %RSD=4.0231 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2422	11975	23754	54601	113439	240106
CONC':	-.321	0.809	5.24	10.7	24.6	50.6	100
R.T.:		17.249	17.245	17.245	17.243	17.240	17.239

CONC = -3.2077E-01+ 4.6712E-04*RESP+ -2.0516E-10*RESP**2+ *RESP**3
95% C.I.= 5.1184E-01 1.5767E-05 6.4771E-11
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=298781 %RSD=9.3107 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2335	13006	24094	60668	124046	298781
CONC':	- 384	0.664	5.40	10.2	25.5	49.5	100
R.T.:		17.250	17.248	17.249	17.247	17.244	17.240

CONC = -3.8402E-01+ 4.4958E-04*RESP+ -3.7958E-10*RESP**2+ *RESP**3
95% C.I.= 5.3589E-01 1.4080E-05 4.6146E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=571368 %RSD=3.3203 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5812	27412	54370	132805	276544	571368
CONC':	-.045	1.05	5.10	10.1	24.6	50.3	100.0
R.T.:		16.732	16.731	16.731	16.729	16.728	16.728

CONC = -4.5299E-02+ 1.8832E-04*RESP+ -2.3255E-11*RESP**2+ *RESP**3
95% C.I.= 3.0560E-01 3.9453E-06 6.8361E-12
CORRELATION COEFFICIENT = 1.0000

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=658756 %RSD=6.217. RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5904	28958	55260	140296	292082	658756
CONC':	-.168	0.929	5.18	9.96	25.3	49.8	100
R.T.:		16.732	16.731	16.732	16 730	16 729	16.727

CONC = -1.6798E-01+ 1.8616E-04*RESP+ -5.1710E-11*RESP**2+ *RESP**3
95% C.I.= 2.3979E-01 2.7795E-06 4.1531E-12
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: 05/14/94 LARGEST RESP=224302 %RSD=1 8711 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2138	10969	22261	54971	112520	224302
CONC':	0.090	1.04	4.99	10.0	24.6	50.3	100.0
R.T.:		15.751	15.748	15.746	15.744	15 741	15.738

CONC = 8.9771E-02+ 4.4667E-04*RESP+ -6.4490E-12*RESP**2+ *RESP**3
95% C.I.= 2.6794E-01 8.6699E-06 3.8400E-11
CORRELATION COEFFICIENT = 1.0000

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=262174 %RSD=8.7730 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2021	11808	22930	62476	123533	262174
CONC':	0.088	0.933	5.01	9.61	25.7	49.6	100
R.T.:		15.752	15.750	15.753	15.750	15.746	15.742

CONC = 8.7510E-02+ 4.1861E-04*RESP+ -1.4240E-10*RESP**2+ *RESP**3
95% C.I.= 4.8977E-01 1.3817E-05 5.2193E-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: 05/14/94 LARGEST RESP=60560 4 %RSD=14.9571 RT WINDOW:

ESE BATCH : G49161

CONC :	0	1	5	10	25	50	100
RESP :	0	4454	21249	43012	112964	265882	605664
CONC':	0.595	1.53	5.03	9.91	23.4	51.1	99.8
R.T.:		18.076	18.074	18.074	18.075	18.074	18.074

CONC = 5.9513E-01+ 2.1042E-04*RESP+ -7.6852E-11*RESP**2+ *RESP**3
95% C.I.= 1.1796E+00 1.5577E-05 2.5418E-11
CORRELATION COEFFICIENT = .9997

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=680685 %RSD=20.5180 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4045	21386	44914	121182	276464	680685
CONC':	0.516	1.35	4.87	9.57	24.1	50.6	99.9
R.T.:		18.070	18.074	18.075	18.076	18.076	18.074

CONC = 5.1623E-01+ 2.0545E-04*RESP+ -8.7285E-11*RESP**2+ *RESP**3
95% C.I.= 7.1503E-01 8.6557E-06 1.2509E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=501628 %RSD=6.7126 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4486	21342	43138	105694	233108	501628
CONC':	0.156	1.20	5.08	10.0	24.0	50.7	99.9
R.T.:		20.392	20.391	20.390	20.391	20.390	20.389

CONC = 1.5606E-01+ 2.3216E-04*RESP+ -6.6413E-11*RESP**2+ *RESP**3
95% C.I.= 7.0628E-01 1.0744E-05 2.1178E-11
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=574722 %RSD=9.8952 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4805	22851	44173	114566	244928	574722
CONC':	-.014	1.08	5.14	9.86	24.8	50.1	100.0
R.T.:		20.391	20.390	20.391	20.391	20.391	20.388

CONC = -1.3688E-02+ 2.2754E-04*RESP+ -9.3167E-11*RESP**2+ *RESP**3
95% C.I.= 1.6602E-01 2.2753E-06 3.8915E-12
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: 05/14/94 LARGEST RESP=417165 %RSD=5.413 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3972	18714	37582	89494	196900	417165
CONC':	0.067	1.15	5.15	10.2	23.8	50.7	99.9
R.T.:		21.821	21.821	21.820	21.820	21.822	21.820

CONC = 6.7490E-02+ 2.7291E-04*RESP+ -8.0531E-11*RESP**2+ *RESP**3
95% C.I.= 7.6865E-01 1.3931E-05 3.3024E-11
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=486135 %RSD=8.2105 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4148	20170	38990	100352	209965	486135
CONC':	-.112	0.977	5.14	9.96	25.1	49.9	100
R.T.:		21.820	21.820	21.821	21.821	21.820	21.820

CONC = -1.1178E-01+ 2.6293E-04*RESP+ -1.1719E-10*RESP**2+ *RESP**3
95% C.I.= 1.2296E-01 1.9662E-06 3.9763E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=381384 %RSD=7.8579 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3041	16977	34547	80164	176769	381384
CONC':	0.021	0.953	5.19	10.5	23.9	50.6	99.9
R.T.:		22.777	22.776	22.774	22.774	22.774	22.772

ESE BATCH : G49161

CONC = 2.1307E-02+ 3.0674E-04*RESP+ ...746E-10*RESP**2+ *RESP**3
95% C.I.= 7.7050E-01 1.5365E-05 ...786E-11
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=412501 %RSD=12.5762 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2826	17968	33425	81510	166149	412501
CONC':	-.510	0.444	5.50	10.5	25.6	49.4	100
R.T.:		22.779	22.777	22.782	22.781	22.779	22.773

CONC = -5.1037E-01+ 3.3848E-04*RESP+ -2.2945E-10*RESP**2+ *RESP**3
95% C.I.= 7.4668E-01 1.4385E-05 3.4066E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=462222 %RSD=10.8611 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3622	18101	36777	89627	207710	462222
CONC':	0.331	1.30	5.13	10.0	23.4	51.0	99.9
R.T.:		23.069	23.068	23.068	23.069	23.069	23.068

CONC = 3.3141E-01+ 2.6722E-04*RESP+ -1.1227E-10*RESP**2+ *RESP**3
95% C.I.= 1.0754E+00 1.8255E-05 3.9010E-11
CORRELATION COEFFICIENT = .9998

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=535292 %RSD=13.9602 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3870	19386	38236	100648	216310	535292
CONC':	0.043	1.05	5.06	9.84	24.9	50.1	100.0
R.T.:		23.067	23.068	23.068	23.068	23.068	23.068

CONC = 4.3438E-02+ 2.6148E-04*RESP+ -1.3967E-10*RESP**2+ *RESP**3
95% C.I.= 1.1280E-01 1.7086E-06 3.1298E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=264224 %RSD=7.6597 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2206	10996	22422	55829	121939	264224
CONC':	0.180	1.16	5.03	10.0	24.2	50.5	99.9
R.T.:		24.132	24.120	24.119	24.121	24.121	24.120

CONC = 1.7994E-01+ 4.4358E-04*RESP+ -2.5017E-10*RESP**2+ *RESP**3
95% C.I.= 5.7074E-01 1.6504E-05 6.1757E-11
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=284685 %RSD=15.5160 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2739	10695	19552	53817	110111	284685
CONC':	-.284	1.12	5.17	9.58	25.8	49.6	100
R.T.:		24.119	24.118	24.117	24.120	24.117	24.119

CONC = -2.8388E-01+ 5.1585E-04*RESP+ -5.7413E-10*RESP**2+ *RESP**3
95% C.I.= 5.9330E-01 1.7079E-05 5.8583E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=165112 %RSD=5.3325 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1812	8101	16890	38641	81920	165112
CONC':	-.064	1.08	5.02	10.5	24.0	50.5	99.9
R.T.:		24.388	24.372	24.371	24.373	24.373	24.369

CONC = -6.3654E-02+ 6.2879E-04*RESP+ -1.4060E-10*RESP**2+ *RESP**3
95% C.I.= 6.9116E-01 3.0631E-05 1.8382E-10
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)

ESE BATCH : G49161

DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=182882 %RSD=10.2512 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1404	8475	14473	38526	75491	182882
CONC':	-.488	0.537	5.64	9.89	26.2	49.1	100
R.T.:		24.374	24.375	24.374	24.375	24.368	24.370

CONC = -4.8806E-01+ 7.3171E-04*RESP+ -9.9349E-10*RESP**2+ *RESP**3
95% C.I.= 1.0026E+00 4.2722E-05 2.2857E-10
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)

DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=253702 %RSD=8.1109 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3115	13162	27486	63169	131850	253702
CONC':	0 023	1.19	4.95	10.4	23.9	50.7	99.9
R.T.:		24.548	24.532	24.529	24.533	24.532	24.529

CONC = 2.3099E-02+ 3.7365E-04*RESP+ 7.8688E-11*RESP**2+ *RESP**3
95% C.I.= 7.5059E-01 2.1236E-05 8.3214E-11
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)

DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=319866 %RSD=5.1881 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3191	14851	28153	76825	144904	319866
CONC':	-.285	0.865	5.04	9.76	26.6	48.9	100
R.T.:		24.527	24.530	24.527	24.530	24.523	24.528

CONC = -2.8528E-01+ 3.6082E-04*RESP+ -1.4656E-10*RESP**2+ *RESP**3
95% C.I.= 1.0953E+00 2.5340E-05 7.8068E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)

DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=207250 %RSD=4.7224 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2224	9667	20477	50290	105371	207250
CONC':	0.222	1.28	4.82	9.97	24.2	50.6	99.9
R.T.:		25.054	25.036	25.034	25 037	25 036	25.034

CONC = 2.2169E-01+ 4.7554E-04*RESP+ 2.5836E-11*RESP**2+ *RESP**3
95% C.I.= 6.1365E-01 2.1569E-05 1.0355E-10
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)

DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=239952 %RSD=8 4885 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2148	11846	19427	52733	101272	239952
CONC':	-.569	0.587	5.75	9.72	26.5	48.9	100
R.T.:		25.036	25.036	25.036	25.036	25.031	25.035

CONC = -5.6851E-01+ 5.3910E-04*RESP+ -4.9791E-10*RESP**2+ *RESP**3
95% C.I.= 1.1903E+00 3.8013E-05 1.5511E-10
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)

DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=272985 %RSD=6.2157 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2986	12567	29559	69967	144362	272985
CONC':	0.323	1.31	4.50	10.2	24.1	50.7	99.9
R.T.:		25.302	25.289	25.286	25.288	25.288	25.285

CONC = 3.2291E-01+ 3.3112E-04*RESP+ 1.2281E-10*RESP**2+ *RESP**3
95% C.I.= 7.5982E-01 1.9919E-05 7.2841E-11
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)

DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=332580 %RSD=4.1131 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3034	15275	31968	83663	161255	332580
CONC':	0.002	0.948	4.76	9.93	25.9	49.4	100
R.T.:		25.284	25.286	25.285	25.286	25.281	25.284

ESE BATCH : G49161

CONC = 2.0929E-03+ 3.1172E-04*RESP+ -3.2460E-11*RESP**2+ *RESP**3
95% C.I.= 5.9819E-01 1.3028E-05 3.8847E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=267393 %RSD=3.7756 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2787	13103	25591	62606	133957	267393
CONC':	0.149	1.22	5.15	9.91	24.0	50.7	99.9
R.T.:		25.581	25.565	25.563	25.566	25.566	25.565

CONC = 1.4940E-01+ 3.8245E-04*RESP+ -3.5549E-11*RESP**2+ *RESP**3
95% C.I.= 7.4717E-01 2.0546E-05 7.6316E-11
CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=310656 %RSD=7.2673 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2666	13244	25262	70731	138553	310656
CONC':	-.047	0.975	5.00	9.53	26.1	49.3	100
R.T.:		25.562	25.563	25.561	25.564	25.556	25.564

CONC = -4.7378E-02+ 3.8402E-04*RESP+ -1.9870E-10*RESP**2+ *RESP**3
95% C.I.= 7.6826E-01 1.8685E-05 5.9310E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/14/94 LARGEST RESP=77431 %RSD=4.2310 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	767	3890	8412	19101	41388	77431
CONC':	0.356	1.25	4.92	10.3	23.2	51.2	99.7
R.T.:		27.025	27.006	27.003	27.006	27.008	27.004

CONC = 3.5576E-01+ 1.1672E-03*RESP+ 1.5039E-09*RESP**2+ *RESP**3
95% C.I.= 1.2822E+00 1.1944E-04 1.5397E-09
CORRELATION COEFFICIENT = .9997

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=86697 %RSD=9.0239 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	766	3881	6506	19460	37797	86697
CONC':	-.091	0.996	5.38	9.02	26.4	49.2	100
R.T.:		27.005	27.004	27.005	27.007	27.000	27.003

CONC = -9.0560E-02+ 1.4203E-03*RESP+ -3.0546E-09*RESP**2+ *RESP**3
95% C.I.= 1.0587E+00 9.3172E-05 1.0579E-09
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 05/14/94 LARGEST RESP=1105899 %RSD=4.9744 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	11723	56199	122659	267430	590062	1105899
CONC':	0.001	0.005	0.020	0.042	0.091	0.205	0.399
R.T.:		30.836	30.816	30.812	30.818	30.818	30.812

CONC = 1.1652E-03+ 3.3071E-07*RESP+ 2.6191E-14*RESP**2+ *RESP**3
95% C.I.= 5.9659E-03 3.9003E-08 3.5163E-14
CORRELATION COEFFICIENT = .9996

CALIBRATION CURVE # 2 (NG/ML)
DETECTION LIMIT=.004 DATE: 05/16/94 LARGEST RESP=1241617 %RSD=4.2406 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	12764	60106	113150	303972	585670	1241617
CONC':	-.0007	0.004	0.020	0.039	0.104	0.197	0.400
R.T.:		30.808	30.813	30.809	30.812	30.802	30.810

CONC = -6.9346E-04+ 3.5161E-07*RESP+ -2.3035E-14*RESP**2+ *RESP**3
95% C.I.= 2.8594E-03 1.6853E-08 1.3417E-14
CORRELATION COEFFICIENT = .9999

ESE BATCH : G49161

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/14/94 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: 05/14/94 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: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/14/94 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: 05/14/94 LARGEST RESP=(USER DEFINED) %RSD= RT WINDOW:

ESE BATCH : G49161

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/15/94	CCS*IND6*1	39076*8080/3540-G	BHC,A	UG/KG-	396000	560000	141	80-120
05/15/94	CCS*IND6*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	374000	515000	138	80-120
05/15/94	CCS*IND6*1	34262*8080/3540-G	BHC,D	UG/KG-	240000	348000	145	80-120
05/15/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	571000	703000	123	80-120
05/15/94	CCS*IND6*1	34257*8080/3540-G	BHC,B	UG/KG-	224000	282000	126	80-120
05/15/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	606000	685000	113	80-120
05/15/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	502000	591000	118	80-120
05/15/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	417000	504000	121	80-120
05/15/94	CCS*IND6*1	39321*8080/3540-G	DDE,PP'	UG/KG-	381000	450000	118	80-120
05/15/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	462000	533000	115	80-120
05/15/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	264000	348000	132	80-120
05/15/94	CCS*IND6*1	39311*8080/3540-G	DDD,PP'	UG/KG-	165000	199000	121	80-120
05/15/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	254000	319000	126	80-120
05/15/94	CCS*IND6*1	39301*8080/3540-G	DDT,PP'	UG/KG-	207000	216000	104	80-120
05/15/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	273000	312000	114	80-120
05/15/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	267000	294000	110	80-120
05/15/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	77400	97900	126	80-120
05/15/94	CCS*IND6*2	39076*8080/3540-G	BHC,A	UG/KG-	396000	563000	142	80-120
05/15/94	CCS*IND6*2	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	374000	511000	137	80-120
05/15/94	CCS*IND6*2	34262*8080/3540-G	BHC,D	UG/KG-	240000	334000	139	80-120
05/15/94	CCS*IND6*2	39413*8080/3540-G	HEPTACHLOR	UG/KG-	571000	687000	120	80-120
05/15/94	CCS*IND6*2	34257*8080/3540-G	BHC,B	UG/KG-	224000	274000	122	80-120
05/15/94	CCS*IND6*2	39333*8080/3540-G	ALDRIN	UG/KG-	606000	686000	113	80-120
05/15/94	CCS*IND6*2	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	502000	579000	115	80-120
05/15/94	CCS*IND6*2	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	417000	485000	116	80-120
05/15/94	CCS*IND6*2	39321*8080/3540-G	DDE,PP'	UG/KG-	381000	394000	103	80-120
05/15/94	CCS*IND6*2	39383*8080/3540-G	DIELDRIN	UG/KG-	462000	526000	114	80-120
05/15/94	CCS*IND6*2	39393*8080/3540-G	ENDRIN	UG/KG-	264000	311000	118	80-120
05/15/94	CCS*IND6*2	39311*8080/3540-G	DDD,PP'	UG/KG-	165000	179000	108	80-120
05/15/94	CCS*IND6*2	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	254000	324000	128	80-120
05/15/94	CCS*IND6*2	39301*8080/3540-G	DDT,PP'	UG/KG-	207000	228000	110	80-120
05/15/94	CCS*IND6*2	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	273000	305000	112	80-120
05/15/94	CCS*IND6*2	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	267000	292000	109	80-120
05/15/94	CCS*IND6*2	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	77400	87600	113	80-120
05/15/94	CCS*IND6*3	39076*8080/3540-G	BHC,A	UG/KG-	396000	542000	137	80-120
05/15/94	CCS*IND6*3	39783*8080/3540-G	BHC,G(LINDANE	UG/KG-	374000	500000	134	80-120
05/15/94	CCS*IND6*3	34262*8080/3540-G	BHC,D	UG/KG-	240000	321000	134	80-120
05/15/94	CCS*IND6*3	39413*8080/3540-G	HEPTACHLOR	UG/KG-	571000	673000	118	80-120
05/15/94	CCS*IND6*3	34257*8080/3540-G	BHC,B	UG/KG-	224000	277000	124	80-120
05/15/94	CCS*IND6*3	39333*8080/3540-G	ALDRIN	UG/KG-	606000	684000	113	80-120
05/15/94	CCS*IND6*3	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	502000	584000	116	80-120
05/15/94	CCS*IND6*3	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	417000	495000	119	80-120
05/15/94	CCS*IND6*3	39321*8080/3540-G	DDE,PP'	UG/KG-	381000	371000	97.4	80-120
05/15/94	CCS*IND6*3	39383*8080/3540-G	DIELDRIN	UG/KG-	462000	544000	118	80-120
05/15/94	CCS*IND6*3	39393*8080/3540-G	ENDRIN	UG/KG-	264000	276000	105	80-120
05/15/94	CCS*IND6*3	39311*8080/3540-G	DDD,PP'	UG/KG-	165000	161000	97.6	80-120
05/15/94	CCS*IND6*3	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	254000	345000	136	80-120
05/15/94	CCS*IND6*3	39301*8080/3540-G	DDT,PP'	UG/KG-	207000	220000	106	80-120
05/15/94	CCS*IND6*3	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	273000	344000	126	80-120
05/15/94	CCS*IND6*3	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	267000	307000	115	80-120
05/15/94	CCS*IND6*3	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	77400	74000	95.6	80-120

ESE BATCH : G49161

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/17/94	CCS*IND6*4	39076*8080/3540-G	BHC,A	UG/KG-	490000	497000	101	80-120
05/17/94	CCS*IND6*4	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	456000	461000	101	80-120
05/17/94	CCS*IND6*4	34262*8080/3540-G	BHC,D	UG/KG-	299000	295000	98.7	80-120
05/17/94	CCS*IND6*4	39413*8080/3540-G	HEPTACHLOR	UG/KG-	659000	657000	99.7	80-120
05/17/94	CCS*IND6*4	34257*8080/3540-G	BHC,B	UG/KG-	262000	259000	98.9	80-120
05/17/94	CCS*IND6*4	39333*8080/3540-G	ALDRIN	UG/KG-	681000	679000	99.7	80-120
05/17/94	CCS*IND6*4	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	575000	573000	99.7	80-120
05/17/94	CCS*IND6*4	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	486000	483000	99.4	80-120
05/17/94	CCS*IND6*4	39321*8080/3540-G	DDE,PP'	UG/KG-	413000	390000	94.4	80-120
05/17/94	CCS*IND6*4	39383*8080/3540-G	DIELDRIN	UG/KG-	535000	531000	99.3	80-120
05/17/94	CCS*IND6*4	39393*8080/3540-G	ENDRIN	UG/KG-	285000	273000	95.8	80-120
05/17/94	CCS*IND6*4	39311*8080/3540-G	DDD,PP'	UG/KG-	183000	173000	94.5	80-120
05/17/94	CCS*IND6*4	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	320000	322000	101	80-120
05/17/94	CCS*IND6*4	39301*8080/3540-G	DDT,PP'	UG/KG-	240000	227000	94.6	80-120
05/17/94	CCS*IND6*4	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	333000	332000	99.7	80-120
05/17/94	CCS*IND6*4	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	311000	303000	97.4	80-120
05/17/94	CCS*IND6*4	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	86700	84900	97.9	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/15/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
05/15/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
05/15/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
05/15/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
05/15/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
05/15/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
05/15/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
05/15/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
05/15/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
05/15/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
05/15/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
05/15/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
05/15/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
05/15/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	ND
05/15/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
05/15/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
05/15/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
05/15/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
05/15/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
05/15/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
05/15/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
05/15/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
05/15/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
05/15/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
05/15/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
05/15/94	MB*QC*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
05/15/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	121.6	45-129	UG/KG-	33.3	40.5
05/15/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	116.5	30-148	UG/KG-	33.3	38.8
05/15/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	108.1	53-133	UG/KG-	33.3	36.0
05/15/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND

ESE BATCH : G49161

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/15/94	SP1*QC*1	39323*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	85.8	46-140	UG/KG-	66.7	57.2
05/15/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	117.1	52-126	UG/KG-	66.7	78.1
05/15/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	93.6	37-155	UG/KG-	66.7	62.4
05/15/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
05/15/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
05/15/94	SP1*QC*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
05/15/94	SPM1*CDMHNSS*34	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39783*8080/3540-G	BHC,G(LINDANE)	584.5	45-129	0.0	UG/KG-	34.9	204
05/15/94	SPM1*CDMHNSS*34	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39413*8080/3540-G	HEPTACHLOR	83.4	30-148	0.0	UG/KG-	34.9	29.1
05/15/94	SPM1*CDMHNSS*34	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39333*8080/3540-G	ALDRIN	48.1	53-133	52.7	UG/KG-	34.9	16.8
05/15/94	SPM1*CDMHNSS*34	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39383*8080/3540-G	DIELDRIN	229.6	46-140	1980	UG/KG-	69.7	160
05/15/94	SPM1*CDMHNSS*34	39393*8080/3540-G	ENDRIN	355.8	52-126	0.125	UG/KG-	69.7	248
05/15/94	SPM1*CDMHNSS*34	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39301*8080/3540-G	DDT,PP'	-61700	37-155	695000	UG/KG-	69.7	-43000
05/15/94	SPM1*CDMHNSS*34	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*34	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39783*8080/3540-G	BHC,G(LINDANE)	1255	45-129	0.0	UG/KG-	34.9	438
05/15/94	SPM2*CDMHNSS*34	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39413*8080/3540-G	HEPTACHLOR	147.0	30-148	0.0	UG/KG-	34.9	51.3
05/15/94	SPM2*CDMHNSS*34	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39333*8080/3540-G	ALDRIN	338.1	53-133	52.7	UG/KG-	34.9	118
05/15/94	SPM2*CDMHNSS*34	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39383*8080/3540-G	DIELDRIN	1033	46-140	1980	UG/KG-	69.7	720
05/15/94	SPM2*CDMHNSS*34	39393*8080/3540-G	ENDRIN	825.0	52-126	0.125	UG/KG-	69.7	575
05/15/94	SPM2*CDMHNSS*34	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39301*8080/3540-G	DDT,PP'	609800	37-155	695000	UG/KG-	69.7	425000
05/15/94	SPM2*CDMHNSS*34	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*34	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND

ESE BATCH : G49161

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/15/94	SPM2*CDMHNSS*34	3950?*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
05/15/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.067	100.0	67-119
05/15/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.065	97.0	51-169
05/15/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.072	107	67-119
05/15/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.078	116	51-169
05/15/94	SPM1*CDMHNSS*34	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.052	77.6	67-119
05/15/94	SPM1*CDMHNSS*34	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.098	146	51-169
05/15/94	SPM2*CDMHNSS*34	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.092	137	67-119
05/15/94	SPM2*CDMHNSS*34	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.147	219	51-169
05/15/94	DA*CDMHNSS*34	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.054	80.6	67-119
05/15/94	DA*CDMHNSS*34	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.093	139	51-169
05/15/94	DA*CDMHNSS*35	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.058	86.6	67-119
05/15/94	DA*CDMHNSS*35	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.106	158	51-169
05/15/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1790000	1970000	110	67-119
05/15/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	1110000	1180000	106	51-169
05/15/94	CCS*IND6*2	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1790000	1940000	108	67-119
05/15/94	CCS*IND6*2	96343*SUR	DECACHLOROBIPHENYL	UG/G	1110000	1080000	97.3	51-169
05/15/94	CCS*IND6*3	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1790000	1930000	108	67-119
05/15/94	CCS*IND6*3	96343*SUR	DECACHLOROBIPHENYL	UG/G	1110000	1160000	105	51-169
05/17/94	CCS*IND6*4	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1950000	1930000	99.0	67-119
05/17/94	CCS*IND6*4	96343*SUR	DECACHLOROBIPHENYL	UG/G	1240000	1190000	96.0	51-169

ESE BATCH : G49161

Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G49161 Analysis Date: 05/24/94 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		
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	39783*8080
			39333*8080
			39383*8080
			39393*8080
			39301*8080
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	39783*8080
			39333*8080
			39383*8080
			39393*8080
			39301*8080
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 NOT WITHIN
ACCEPTANCE CRITERIA.
SAMPLE MATRIX SPIKE DUPLICATE
NOT WITHIN ACCEPTANCE CRITERIA.
SURROGATE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL: SEVERE SAMPLE-MATRIX
INTERFERENCE./GA 5-17-94/
PROB: THE CCS ARE NOT WITHIN
CRITERIA.
EXPL: CCS RESPONSE INCREASED
FOR 13HC SERIES AND A FEW
OTHER ANALYTES. NO PROBLEM
SINCE NO HITS WERE DETECTED
FOR ANY OF THESE ANALYTES.
/GA 5-17-94/

ESE BATCH : G49161

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 : G49216
CLASSIFICATION : CHL. PESTS - CLP SOW OLM01.8

QC TYPE : FDER/SW
ANALYST : VICTOR BAUDER
EXTRACTOR : ABRAHAM JACOB
DATA ENTRY : CLP UPLOAD

REPORT DATE/TIME : 05/20/94 07:53:15
ANALYSIS DATE : 05/12/94
EXTRACT DATE : 05/14/94

STATUS :

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*36	EA01-4-14	05/15/94	06:29PM

ESE BATCH : G49216

HOLDING TIMES CHECK

SAMPLE	ANALYTE	ANL DATE	EXT DATE	SMP DATE	H T	OVER

ALL HOLDING TIMES MET

STORET: 39076 METHOD: CLP90 alpha-BHC, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=1084672 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	18188	75464	386143
CONC':			
R.T.:	7.007	7.008	7.009

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=793595.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	42344	192935	987324
CONC':			
R.T.:	5.107	5.109	5.110

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

STORET: 34257 METHOD: CLP90 beta-BHC, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=566292 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	13314	55701	234910
CONC':			
R.T.:	8.402	8.403	8.402

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=150994(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	32448	125766	523341
CONC':			
R.T.:	7.847	7.849	7.852

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

STORET: 34262 METHOD: CLP90 delta-BHC, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=1019397 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	15855	66882	316672
CONC':			
R.T.:	9.673	9.673	9.673

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=212357(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	39120	170486	883704
CONC':			
R.T.:	8.545	8.548	8.552

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

ESE BATCH : G49216

STORET: 39783 METHOD: CLP90 gamma-BHC (Lindane , UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=420690.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	19116	78138	380992
CONC':			
R.T.:	8.181	8.180	8.183

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=760314.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	44717	198056	964179
CONC':			
R.T.:	5.909	5.911	5.912

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

STORET: 39413 METHOD: CLP90 Heptachlor, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=433933.00 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	30096	114014	487375
CONC':			
R.T.:	9.262	9.261	9.263

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=765681.50 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	70303	264451	1070046
CONC':			
R.T.:	6.374	6.375	6.375

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

STORET: 39333 METHOD: CLP90 Aldrin, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=1032530 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	20424	83190	402574
CONC':			
R.T.:	10.454	10.455	10.456

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=238381(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	47220	194806	895151
CONC':			
R.T.:	7.043	7.045	7.050

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

STORET: 39423 METHOD: CLP90 Heptachlor epoxide, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=432320.06 %RSD= RT WINDOW:

ESE BATCH : G49216
CONC : 5 20 80
RESP : 23348 92100 392385
CONC':
R.T.: 12.750 12.750 12.751

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=269363(USER DEFINED) %RSD= RT WINDOW:
CONC : 5 20 80
RESP : 59019 227108 934641
CONC':
R.T.: 9.015 9.016 9.019

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

STORET: 34364 METHOD: CLP90 Endosulfan I, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=350346.50 %RSD= RT WINDOW:
CONC : 5 20 80
RESP : 20868 79716 339455
CONC':
R.T.: 14.249 14.249 14.251

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=643625.50 %RSD= RT WINDOW:
CONC : 5 20 80
RESP : 54032 205766 844804
CONC':
R.T.: 9.887 9.888 9.889

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

STORET: 39383 METHOD: CLP90 Dieldrin, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=735074.00 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 38624 157834 827213
CONC':
R.T.: 15.445 15.448 15.450

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=1326938.50 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 96124 386275 1750173
CONC':
R.T.: 11.229 11.229 11.231

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

STORET: 39321 METHOD: CLP90 4,4'-DDE, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=786312.50 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 34984 152883 818542
CONC':
R.T.: 15.267 15.270 15.272

ESE BATCH : G49216
CONC = + *RESP+ *RESP**2+ *RESP**3
95% C.I.=
CORRELATION COEFFICIENT =

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=462598(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	78586	329941	1587979
CONC':			
R.T.:	10.781	10.782	10.788

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

STORET: 39393 METHOD: CLP90 Endrin, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=746274.75 %RSD= RT WINDOW

CONC :	10	40	160
RESP :	34226	142637	752194
CONC':			
R.T.:	16.712	16.715	16.716

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=1361522.00 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	92898	373370	1675842
CONC':			
R.T.:	11.973	11.972	11.974

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

STORET: 34359 METHOD: CLP90 Endosulfan II, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=1372087 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	36072	147685	662055
CONC':			
R.T.:	17.322	17.324	17.325

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=1417602(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	101580	401012	1669096
CONC':			
R.T.:	14.017	14.019	14.022

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

STORET: 39311 METHOD: CLP90 4,4'-DDD, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=506672.00 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	27864	117545	596144
CONC':			
R.T.:	17.199	17.200	17.200

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

CALIBRATION CURVE # 2

ESE BATCH : G49216
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=339752(USER DEFINED) %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 61234 254764 1256436
CONC':
R.T.: 14.007 14.006 14.010

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

STORET: 34354 METHOD: CLP90 Endosulfan sulfate, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=675025.44 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 39420 163170 748133
CONC':
R.T.: 18.716 18.719 18.720

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=1253101(USER DEFINED) %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 89707 354218 1472054
CONC':
R.T.: 16.547 16.547 16.551

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

STORET: 39301 METHOD: CLP90 4,4'-DDT, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=628171.13 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 35594 153714 797848
CONC':
R.T.: 18.117 18.119 18.120

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=920446.50 %RSD= RT WINDOW:
CONC : 10 40 160
RESP : 77520 324033 1506625
CONC':
R.T.: 14.623 14.624 14.627

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

STORET: 39481 METHOD: CLP90 Methoxychlor, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=50 DATE: 05/13/94 LARGEST RESP=1684549.00 %RSD= RT WINDOW:
CONC : 50 200 800
RESP : 147792 641828 2666594
CONC':
R.T.: 20.611 20.611 20.611

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

CALIBRATION CURVE # 2
DETECTION LIMIT=50 DATE: 05/13/94 LARGEST RESP=3130260.75 %RSD= RT WINDOW:
CONC : 50 200 800
RESP : 290910 1120549 3996220
CONC':
R.T.: 16.801 16.802 16.802

ESE BATCH : G49216

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

STORET: 98591 METHOD: CLP90 Endrin ketone, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=812739.38 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	36826	161838	742447
CONC':			
R.T.:	20.837	20.841	20.841

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=1362709(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	85926	376189	1635804
CONC':			
R.T.:	17.657	17.659	17.661

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

STORET: 34369 METHOD: CLP90 Endrin aldehyde, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=520752.91 %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	30827	125190	514470
CONC':			
R.T.:	18.353	18.353	18.355

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=932645(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	40	160
RESP :	62981	298208	1149426
CONC':			
R.T.:	15.521	15.522	15.525

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

STORET: 97501 METHOD: CLP90 alpha-Chlordane, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=327195 %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	26521	108802	469754
CONC':			
R.T.:	14.167	14.167	14.169

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=345818(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	62761	243116	977416
CONC':			
R.T.:	10.332	10.334	10.339

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

ESE BATCH : G49216

STORET: 39811 METHOD: CLP90 gamma-Chlordane, UG/KG-DRY MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=329703(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	27658	109957	455446
CONC':			
R.T.:	13.461	13.461	13.462

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=277097(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	20	80
RESP :	63221	242622	980007
CONC':			
R.T.:	10.137	10.139	10.142

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

STORET: 39403 METHOD: CLP90 Toxaphene, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=500 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW

CALIBRATION CURVE # 2
DETECTION LIMIT=500 DATE: 05/13/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 39514 METHOD: CLP90 Aroclor-1016, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39491 METHOD: CLP90 Aroclor-1221, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=200 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=200 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39495 METHOD: CLP90 Aroclor-1232, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39499 METHOD: CLP90 Aroclor-1242, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39503 METHOD: CLP90 Aroclor-1248, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39507 METHOD: CLP90 Aroclor-1254, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49216
CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39511 METHOD: CLP90 Aroclor-1260, UG/KG-DRY FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

CALIBRATION CURVE # 2
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 96999 METHOD: SUR TETRACHLORO-M-XYLENE (CLP90), UG/KG MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=422020(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	5	20	20	80	80
RESP :	22190	21389	91594	92388	415222	422020
CONC':						
R.T.:	5.316	5.316	5.317	5.317	5.317	5.317

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

CALIBRATION CURVE # 2
DETECTION LIMIT=5 DATE: 05/13/94 LARGEST RESP=747280(USER DEFINED) %RSD= RT WINDOW:

CONC :	5	5	20	20	80	80
RESP :	48085	47690	186920	189056	730308	747280
CONC':						
R.T.:	3.700	3.700	3.701	3.700	3.701	3.702

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

STORET: 95000 METHOD: SUR DECACHLOROBIPHENYL, UG/KG MRF

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=934289(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	10	40	40	160	160
RESP :	57986	56330	220472	225244	917798	934289
CONC':						
R.T.:	25.059	25.057	25.057	25.061	25.063	25.064

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

CALIBRATION CURVE # 2
DETECTION LIMIT=10 DATE: 05/13/94 LARGEST RESP=1872712(USER DEFINED) %RSD= RT WINDOW:

CONC :	10	10	40	40	160	160
RESP :	140911	140659	518362	526077	1853035	1872712
CONC':						
R.T.:	19.862	19.861	19.864	19.863	19.864	19.863

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

ESE BATCH : G49216

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/13/94	CCS*INDAM*2	39076*CLP90	alpha-BHC	UG/KG	20.0	20.1	101	80-120
05/13/94	CCS*INDAM*2	34257*CLP90	beta-BHC	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	34262*CLP90	delta-BHC	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39783*CLP90	gamma-BHC (Lindane)	UG/KG	20.0	20.0	100.0	80-120
05/13/94	CCS*INDAM*2	39413*CLP90	Heptachlor	UG/KG	20.0	20.0	100.0	80-120
05/13/94	CCS*INDAM*2	39333*CLP90	Aldrin	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39423*CLP90	Heptachlor epoxide	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	34364*CLP90	Endosulfan I	UG/KG	20.0	19.9	99.5	80-120
05/13/94	CCS*INDAM*2	39383*CLP90	Dieldrin	UG/KG	40.0	40.1	100	80-120
05/13/94	CCS*INDAM*2	39321*CLP90	4,4'-DDE	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39393*CLP90	Endrin	UG/KG	40.0	40.1	100	80-120
05/13/94	CCS*INDAM*2	34359*CLP90	Endosulfan II	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39311*CLP90	4,4'-DDD	UG/KG	40.0	39.7	99.3	80-120
05/13/94	CCS*INDAM*2	34354*CLP90	Endosulfan sulfate	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39301*CLP90	4,4'-DDT	UG/KG	40.0	39.9	99.8	80-120
05/13/94	CCS*INDAM*2	39481*CLP90	Methoxychlor	UG/KG	200	200	100.0	80-120
05/13/94	CCS*INDAM*2	98591*CLP90	Endrin ketone	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	34369*CLP90	Endrin aldehyde	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	97501*CLP90	alpha-Chlordane	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39811*CLP90	gamma-Chlordane	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39403*CLP90	Toxaphene	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39514*CLP90	Aroclor-1016	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39491*CLP90	Aroclor-1221	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39495*CLP90	Aroclor-1232	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39499*CLP90	Aroclor-1242	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39503*CLP90	Aroclor-1248	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39507*CLP90	Aroclor-1254	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2	39511*CLP90	Aroclor-1260	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39076*CLP90	alpha-BHC	UG/KG	20.0	20.7	104	80-120
05/13/94	CCS*INDAM*2*C	34257*CLP90	beta-BHC	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	34262*CLP90	delta-BHC	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG	20.0	20.7	104	80-120
05/13/94	CCS*INDAM*2*C	39413*CLP90	Heptachlor	UG/KG	20.0	20.3	102	80-120
05/13/94	CCS*INDAM*2*C	39333*CLP90	Aldrin	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39423*CLP90	Heptachlor epoxide	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	34364*CLP90	Endosulfan I	UG/KG	20.0	20.4	102	80-120
05/13/94	CCS*INDAM*2*C	39383*CLP90	Dieldrin	UG/KG	40.0	41.0	103	80-120
05/13/94	CCS*INDAM*2*C	39321*CLP90	4,4'-DDE	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39393*CLP90	Endrin	UG/KG	40.0	39.7	99.3	80-120
05/13/94	CCS*INDAM*2*C	34359*CLP90	Endosulfan II	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39311*CLP90	4,4'-DDD	UG/KG	40.0	41.3	103	80-120
05/13/94	CCS*INDAM*2*C	34354*CLP90	Endosulfan sulfate	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39301*CLP90	4,4'-DDT	UG/KG	40.0	38.8	97.0	80-120
05/13/94	CCS*INDAM*2*C	39481*CLP90	Methoxychlor	UG/KG	200	193	96.5	80-120
05/13/94	CCS*INDAM*2*C	98591*CLP90	Endrin ketone	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	34369*CLP90	Endrin aldehyde	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	97501*CLP90	alpha-Chlordane	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39811*CLP90	gamma-Chlordane	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39403*CLP90	Toxaphene	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39514*CLP90	Aroclor-1016	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39491*CLP90	Aroclor-1221	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39495*CLP90	Aroclor-1232	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39499*CLP90	Aroclor-1242	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39503*CLP90	Aroclor-1248	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39507*CLP90	Aroclor-1254	UG/KG		ND		80-120
05/13/94	CCS*INDAM*2*C	39511*CLP90	Aroclor-1260	UG/KG		ND		80-120
05/13/94	CCS*INDBM*2	39076*CLP90	alpha-BHC	UG/KG		ND		80-120
05/13/94	CCS*INDBM*2	34257*CLP90	beta-BHC	UG/KG	20.0	19.3	96.5	80-120
05/13/94	CCS*INDBM*2	34262*CLP90	delta-BHC	UG/KG	20.0	19.4	97.0	80-120
05/13/94	CCS*INDBM*2	39783*CLP90	gamma-BHC (Lindane)	UG/KG		ND		80-120
05/13/94	CCS*INDBM*2	39413*CLP90	Heptachlor	UG/KG		ND		80-120
05/13/94	CCS*INDBM*2	39333*CLP90	Aldrin	UG/KG	20.0	19.4	97.0	80-120
05/13/94	CCS*INDBM*2	39423*CLP90	Heptachlor epoxide	UG/KG	20.0	19.4	97.0	80-120
05/13/94	CCS*INDBM*2	34364*CLP90	Endosulfan I	UG/KG		ND		80-120
05/13/94	CCS*INDBM*2	39383*CLP90	Dieldrin	UG/KG		ND		80-120
05/13/94	CCS*INDBM*2	39321*CLP90	4,4'-DDE	UG/KG	40.0	38.5	96.3	80-120
05/13/94	CCS*INDBM*2	39393*CLP90	Endrin	UG/KG		ND		80-120
05/13/94	CCS*INDBM*2	34359*CLP90	Endosulfan II	UG/KG	40.0	38.6	96.5	80-120
05/13/94	CCS*INDBM*2	39311*CLP90	4,4'-DDD	UG/KG		ND		80-120
05/13/94	CCS*INDBM*2	34354*CLP90	Endosulfan sulfate	UG/KG	40.0	38.6	96.5	80-120
05/13/94	CCS*INDBM*2	39301*CLP90	4,4'-DDT	UG/KG		ND		80-120
05/13/94	CCS*INDBM*2	39481*CLP90	Methoxychlor	UG/KG		ND		80-120
05/13/94	CCS*INDBM*2	98591*CLP90	Endrin ketone	UG/KG	40.0	38.3	95.8	80-120

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Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/13/94	CCS*INDBM*2	34359*CLP90	Endrin aldehyde	UG/KG-	40.0	38.3	95.8	80-120
05/13/94	CCS*INDBM*2	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	18.9	94.5	80-120
05/13/94	CCS*INDBM*2	39811*CLP90	gamma-Chlordane	UG/KG-	20.0	19.4	97.0	80-120
05/13/94	CCS*INDBM*2	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39076*CLP90	alpha-BHC	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	34257*CLP90	beta-BHC	UG/KG-	20.0	19.8	99.0	80-120
05/13/94	CCS*INDBM*2*C	34262*CLP90	delta-BHC	UG/KG-	20.0	19.4	97.0	80-120
05/13/94	CCS*INDBM*2*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39413*CLP90	Heptachlor	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39333*CLP90	Aldrin	UG/KG-	20.0	19.6	98.0	80-120
05/13/94	CCS*INDBM*2*C	39423*CLP90	Heptachlor epoxide	UG/KG-	20.0	19.6	98.0	80-120
05/13/94	CCS*INDBM*2*C	34364*CLP90	Endosulfan I	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39383*CLP90	Dieldrin	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39321*CLP90	4,4'-DDE	UG/KG-	40.0	39.3	98.3	80-120
05/13/94	CCS*INDBM*2*C	39393*CLP90	Endrin	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	34359*CLP90	Endosulfan II	UG/KG-	40.0	39.4	98.5	80-120
05/13/94	CCS*INDBM*2*C	39311*CLP90	4,4'-DDD	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	34354*CLP90	Endosulfan sulfate	UG/KG-	40.0	39.4	98.5	80-120
05/13/94	CCS*INDBM*2*C	39301*CLP90	4,4'-DDT	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39481*CLP90	Methoxychlor	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	98591*CLP90	Endrin ketone	UG/KG-	40.0	39.1	97.8	80-120
05/13/94	CCS*INDBM*2*C	34369*CLP90	Endrin aldehyde	UG/KG-	40.0	34.2	85.5	80-120
05/13/94	CCS*INDBM*2*C	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	19.4	97.0	80-120
05/13/94	CCS*INDBM*2*C	39811*CLP90	gamma-Chlordane	UG/KG-	20.0	19.8	99.0	80-120
05/13/94	CCS*INDBM*2*C	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/13/94	CCS*INDBM*2*C	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39076*CLP90	alpha-BHC	UG/KG-	20.0	20.2	101	80-120
05/14/94	CCS*INDAM*3	34257*CLP90	beta-BHC	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	34262*CLP90	delta-BHC	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	20.0	20.1	101	80-120
05/14/94	CCS*INDAM*3	39413*CLP90	Heptachlor	UG/KG-	20.0	19.9	99.5	80-120
05/14/94	CCS*INDAM*3	39333*CLP90	Aldrin	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39423*CLP90	Heptachlor epoxide	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	34364*CLP90	Endosulfan I	UG/KG-	20.0	20.2	101	80-120
05/14/94	CCS*INDAM*3	39383*CLP90	Dieldrin	UG/KG-	40.0	39.7	99.3	80-120
05/14/94	CCS*INDAM*3	39321*CLP90	4,4'-DDE	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39393*CLP90	Endrin	UG/KG-	40.0	39.9	99.8	80-120
05/14/94	CCS*INDAM*3	34359*CLP90	Endosulfan II	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39311*CLP90	4,4'-DDD	UG/KG-	40.0	39.3	98.3	80-120
05/14/94	CCS*INDAM*3	34354*CLP90	Endosulfan sulfate	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39301*CLP90	4,4'-DDT	UG/KG-	40.0	39.7	99.3	80-120
05/14/94	CCS*INDAM*3	39481*CLP90	Methoxychlor	UG/KG-	200	199	99.5	80-120
05/14/94	CCS*INDAM*3	98591*CLP90	Endrin ketone	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	34369*CLP90	Endrin aldehyde	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	97501*CLP90	alpha-Chlordane	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39811*CLP90	gamma-Chlordane	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39076*CLP90	alpha-BHC	UG/KG-	20.0	19.9	99.5	80-120
05/14/94	CCS*INDAM*3*C	34257*CLP90	beta-BHC	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	34262*CLP90	delta-BHC	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	20.0	20.3	102	80-120
05/14/94	CCS*INDAM*3*C	39413*CLP90	Heptachlor	UG/KG-	20.0	20.2	101	80-120
05/14/94	CCS*INDAM*3*C	39333*CLP90	Aldrin	UG/KG-		ND		80-120

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Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/14/94	CCS*INDAM*3*C	39423*CLP90	Heptachlor epoxide	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	34364*CLP90	Endosulfan I	UG/KG-	20.0	20.3	102	80-120
05/14/94	CCS*INDAM*3*C	39383*CLP90	Dieldrin	UG/KG-	40.0	40.7	102	80-120
05/14/94	CCS*INDAM*3*C	39321*CLP90	4,4'-DDE	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39393*CLP90	Endrin	UG/KG-	40.0	39.7	99.3	80-120
05/14/94	CCS*INDAM*3*C	34359*CLP90	Endosulfan II	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39311*CLP90	4,4'-DDD	UG/KG-	40.0	39.7	99.3	80-120
05/14/94	CCS*INDAM*3*C	34354*CLP90	Endosulfan sulfate	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39301*CLP90	4,4'-DDT	UG/KG-	40.0	39.2	98.0	80-120
05/14/94	CCS*INDAM*3*C	39481*CLP90	Methoxychlor	UG/KG-	200	194	97.0	80-120
05/14/94	CCS*INDAM*3*C	98591*CLP90	Endrin ketone	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	34369*CLP90	Endrin aldehyde	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	97501*CLP90	alpha-Chlordane	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39811*CLP90	gamma-Chlordane	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/14/94	CCS*INDAM*3*C	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39076*CLP90	alpha-BHC	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	34257*CLP90	beta-BHC	UG/KG-	20.0	19.2	96.0	80-120
05/14/94	CCS*INDBM*3	34262*CLP90	delta-BHC	UG/KG-	20.0	19.5	97.5	80-120
05/14/94	CCS*INDBM*3	39783*CLP90	gamma-BHC (Lindane)	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39413*CLP90	Heptachlor	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39333*CLP90	Aldrin	UG/KG-	20.0	19.2	96.0	80-120
05/14/94	CCS*INDBM*3	39423*CLP90	Heptachlor epoxide	UG/KG-	20.0	19.2	96.0	80-120
05/14/94	CCS*INDBM*3	34364*CLP90	Endosulfan I	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39383*CLP90	Dieldrin	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39321*CLP90	4,4'-DDE	UG/KG-	40.0	38.1	95.3	80-120
05/14/94	CCS*INDBM*3	39393*CLP90	Endrin	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	34359*CLP90	Endosulfan II	UG/KG-	40.0	38.4	96.0	80-120
05/14/94	CCS*INDBM*3	39311*CLP90	4,4'-DDD	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	34354*CLP90	Endosulfan sulfate	UG/KG-	40.0	38.3	95.8	80-120
05/14/94	CCS*INDBM*3	39301*CLP90	4,4'-DDT	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39481*CLP90	Methoxychlor	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	98591*CLP90	Endrin ketone	UG/KG-	40.0	38.3	95.8	80-120
05/14/94	CCS*INDBM*3	34369*CLP90	Endrin aldehyde	UG/KG-	40.0	38.0	95.0	80-120
05/14/94	CCS*INDBM*3	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	18.8	94.0	80-120
05/14/94	CCS*INDBM*3	39811*CLP90	gamma-Chlordane	UG/KG-	20.0	19.2	96.0	80-120
05/14/94	CCS*INDBM*3	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39076*CLP90	alpha-BHC	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	34257*CLP90	beta-BHC	UG/KG-	20.0	19.8	99.0	80-120
05/14/94	CCS*INDBM*3*C	34262*CLP90	delta-BHC	UG/KG-	20.0	19.6	98.0	80-120
05/14/94	CCS*INDBM*3*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39413*CLP90	Heptachlor	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39333*CLP90	Aldrin	UG/KG-	20.0	20.0	100.0	80-120
05/14/94	CCS*INDBM*3*C	39423*CLP90	Heptachlor epoxide	UG/KG-	20.0	19.9	99.5	80-120
05/14/94	CCS*INDBM*3*C	34364*CLP90	Endosulfan I	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39383*CLP90	Dieldrin	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39321*CLP90	4,4'-DDE	UG/KG-	40.0	39.2	98.0	80-120
05/14/94	CCS*INDBM*3*C	39393*CLP90	Endrin	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	34359*CLP90	Endosulfan II	UG/KG-	40.0	39.8	99.5	80-120
05/14/94	CCS*INDBM*3*C	39311*CLP90	4,4'-DDD	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	34354*CLP90	Endosulfan sulfate	UG/KG-	40.0	39.8	99.5	80-120
05/14/94	CCS*INDBM*3*C	39301*CLP90	4,4'-DDT	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39481*CLP90	Methoxychlor	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	98591*CLP90	Endrin ketone	UG/KG-	40.0	39.9	99.8	80-120
05/14/94	CCS*INDBM*3*C	34369*CLP90	Endrin aldehyde	UG/KG-	40.0	34.1	85.3	80-120
05/14/94	CCS*INDBM*3*C	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	19.8	99.0	80-120
05/14/94	CCS*INDBM*3*C	39811*CLP90	gamma-Chlordane	UG/KG-	20.0	20.0	100.0	80-120
05/14/94	CCS*INDBM*3*C	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120

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Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/14/94	CCS*INDBM*3*C	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/14/94	CCS*INDBM*3*C	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39076*CLP90	alpha-BHC	UG/KG-	20.0	20.3	102	80-120
05/15/94	CCS*INDAM*4	34257*CLP90	beta-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	34262*CLP90	delta-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	20.0	19.9	99.5	80-120
05/15/94	CCS*INDAM*4	39413*CLP90	Heptachlor	UG/KG-	20.0	19.7	98.5	80-120
05/15/94	CCS*INDAM*4	39333*CLP90	Aldrin	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39423*CLP90	Heptachlor epoxide	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	34364*CLP90	Endosulfan I	UG/KG-	20.0	19.7	98.5	80-120
05/15/94	CCS*INDAM*4	39383*CLP90	Dieldrin	UG/KG-	40.0	39.6	99.0	80-120
05/15/94	CCS*INDAM*4	39321*CLP90	4,4'-DDE	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39393*CLP90	Endrin	UG/KG-	40.0	39.6	99.0	80-120
05/15/94	CCS*INDAM*4	34359*CLP90	Endosulfan II	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39311*CLP90	4,4'-DDD	UG/KG-	40.0	39.5	98.8	80-120
05/15/94	CCS*INDAM*4	34354*CLP90	Endosulfan sulfate	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39301*CLP90	4,4'-DDT	UG/KG-	40.0	39.5	98.8	80-120
05/15/94	CCS*INDAM*4	39481*CLP90	Methoxychlor	UG/KG-	200	199	99.5	80-120
05/15/94	CCS*INDAM*4	98591*CLP90	Endrin ketone	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	34369*CLP90	Endrin aldehyde	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	97501*CLP90	alpha-Chlordane	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39811*CLP90	gamma-Chlordane	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39076*CLP90	alpha-BHC	UG/KG-	20.0	19.7	98.5	80-120
05/15/94	CCS*INDAM*4*C	34257*CLP90	beta-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	34262*CLP90	delta-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	20.0	19.9	99.5	80-120
05/15/94	CCS*INDAM*4*C	39413*CLP90	Heptachlor	UG/KG-	20.0	19.9	99.5	80-120
05/15/94	CCS*INDAM*4*C	39333*CLP90	Aldrin	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39423*CLP90	Heptachlor epoxide	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	34364*CLP90	Endosulfan I	UG/KG-	20.0	19.9	99.5	80-120
05/15/94	CCS*INDAM*4*C	39383*CLP90	Dieldrin	UG/KG-	40.0	39.9	99.8	80-120
05/15/94	CCS*INDAM*4*C	39321*CLP90	4,4'-DDE	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39393*CLP90	Endrin	UG/KG-	40.0	39.2	98.0	80-120
05/15/94	CCS*INDAM*4*C	34359*CLP90	Endosulfan II	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39311*CLP90	4,4'-DDD	UG/KG-	40.0	38.9	97.3	80-120
05/15/94	CCS*INDAM*4*C	34354*CLP90	Endosulfan sulfate	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39301*CLP90	4,4'-DDT	UG/KG-	40.0	38.6	96.5	80-120
05/15/94	CCS*INDAM*4*C	39481*CLP90	Methoxychlor	UG/KG-	200	194	97.0	80-120
05/15/94	CCS*INDAM*4*C	98591*CLP90	Endrin ketone	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	34369*CLP90	Endrin aldehyde	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	97501*CLP90	alpha-Chlordane	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39811*CLP90	gamma-Chlordane	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*4*C	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39076*CLP90	alpha-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	34257*CLP90	beta-BHC	UG/KG-	20.0	19.1	95.5	80-120
05/15/94	CCS*INDBM*4	34262*CLP90	delta-BHC	UG/KG-	20.0	19.4	97.0	80-120
05/15/94	CCS*INDBM*4	39783*CLP90	gamma-BHC (Lindane)	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39413*CLP90	Heptachlor	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39333*CLP90	Aldrin	UG/KG-	20.0	19.0	95.0	80-120
05/15/94	CCS*INDBM*4	39423*CLP90	Heptachlor epoxide	UG/KG-	20.0	19.1	95.5	80-120
05/15/94	CCS*INDBM*4	34364*CLP90	Endosulfan I	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39383*CLP90	Dieldrin	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39321*CLP90	4,4'-DDE	UG/KG-	40.0	37.9	94.8	80-120
05/15/94	CCS*INDBM*4	39393*CLP90	Endrin	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	34359*CLP90	Endosulfan II	UG/KG-	40.0	38.2	95.5	80-120

ESE BATCH : G49216

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/15/94	CCS*INDBM*4	39311*CLP90	4,4'-DDD	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	34354*CLP90	Endosulfan sulfate	UG/KG-	40.0	38.5	96.3	80-120
05/15/94	CCS*INDBM*4	39301*CLP90	4,4'-DDT	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39481*CLP90	Methoxychlor	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	98591*CLP90	Endrin ketone	UG/KG-	40.0	38.2	95.5	80-120
05/15/94	CCS*INDBM*4	34369*CLP90	Endrin aldehyde	UG/KG-	40.0	38.0	95.0	80-120
05/15/94	CCS*INDBM*4	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	18.6	93.0	80-120
05/15/94	CCS*INDBM*4	39811*CLP90	gamma-Chlordane	UG/KG-	20.0	19.1	95.5	80-120
05/15/94	CCS*INDBM*4	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39076*CLP90	alpha-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	34257*CLP90	beta-BHC	UG/KG-	20.0	19.6	98.0	80-120
05/15/94	CCS*INDBM*4*C	34262*CLP90	delta-BHC	UG/KG-	20.0	19.4	97.0	80-120
05/15/94	CCS*INDBM*4*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39413*CLP90	Heptachlor	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39333*CLP90	Aldrin	UG/KG-	20.0	19.8	99.0	80-120
05/15/94	CCS*INDBM*4*C	39423*CLP90	Heptachlor epoxide	UG/KG-	20.0	19.8	99.0	80-120
05/15/94	CCS*INDBM*4*C	34364*CLP90	Endosulfan I	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39383*CLP90	Dieldrin	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39321*CLP90	4,4'-DDE	UG/KG-	40.0	38.6	96.5	80-120
05/15/94	CCS*INDBM*4*C	39393*CLP90	Endrin	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	34359*CLP90	Endosulfan II	UG/KG-	40.0	39.4	98.5	80-120
05/15/94	CCS*INDBM*4*C	39311*CLP90	4,4'-DDD	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	34354*CLP90	Endosulfan sulfate	UG/KG-	40.0	39.5	98.8	80-120
05/15/94	CCS*INDBM*4*C	39301*CLP90	4,4'-DDT	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39481*CLP90	Methoxychlor	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	98591*CLP90	Endrin ketone	UG/KG-	40.0	39.3	98.3	80-120
05/15/94	CCS*INDBM*4*C	34369*CLP90	Endrin aldehyde	UG/KG-	40.0	39.2	98.0	80-120
05/15/94	CCS*INDBM*4*C	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	19.6	98.0	80-120
05/15/94	CCS*INDBM*4*C	39811*CLP90	gamma-Chlordane	UG/KG-	20.0	19.9	99.5	80-120
05/15/94	CCS*INDBM*4*C	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*4*C	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39076*CLP90	alpha-BHC	UG/KG-	20.0	20.3	102	80-120
05/15/94	CCS*INDAM*5	34257*CLP90	beta-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	34262*CLP90	delta-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	20.0	20.3	102	80-120
05/15/94	CCS*INDAM*5	39413*CLP90	Heptachlor	UG/KG-	20.0	20.1	101	80-120
05/15/94	CCS*INDAM*5	39333*CLP90	Aldrin	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39423*CLP90	Heptachlor epoxide	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	34364*CLP90	Endosulfan I	UG/KG-	20.0	20.1	101	80-120
05/15/94	CCS*INDAM*5	39383*CLP90	Dieldrin	UG/KG-	40.0	40.2	101	80-120
05/15/94	CCS*INDAM*5	39321*CLP90	4,4'-DDE	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39393*CLP90	Endrin	UG/KG-	40.0	40.2	101	80-120
05/15/94	CCS*INDAM*5	34359*CLP90	Endosulfan II	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39311*CLP90	4,4'-DDD	UG/KG-	40.0	40.0	100.0	80-120
05/15/94	CCS*INDAM*5	34354*CLP90	Endosulfan sulfate	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39301*CLP90	4,4'-DDT	UG/KG-	40.0	40.2	101	80-120
05/15/94	CCS*INDAM*5	39481*CLP90	Methoxychlor	UG/KG-	200	200	100.0	80-120
05/15/94	CCS*INDAM*5	98591*CLP90	Endrin ketone	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	34369*CLP90	Endrin aldehyde	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	97501*CLP90	alpha-Chlordane	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39811*CLP90	gamma-Chlordane	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39076*CLP90	alpha-BHC	UG/KG-	20.0	20.1	101	80-120

ESE BATCH : G49216

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/15/94	CCS*INDAM*5*C	34257*CLP90	beta-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	34262*CLP90	delta-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	20.0	20.3	102	80-120
05/15/94	CCS*INDAM*5*C	39413*CLP90	Heptachlor	UG/KG-	20.0	20.2	101	80-120
05/15/94	CCS*INDAM*5*C	39333*CLP90	Aldrin	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39423*CLP90	Heptachlor epoxide	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	34364*CLP90	Endosulfan I	UG/KG-	20.0	20.3	102	80-120
05/15/94	CCS*INDAM*5*C	39383*CLP90	Dieldrin	UG/KG-	40.0	40.6	102	80-120
05/15/94	CCS*INDAM*5*C	39321*CLP90	4,4'-DDE	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39393*CLP90	Endrin	UG/KG-	40.0	39.6	99.0	80-120
05/15/94	CCS*INDAM*5*C	34359*CLP90	Endosulfan II	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39311*CLP90	4,4'-DDD	UG/KG-	40.0	39.2	98.0	80-120
05/15/94	CCS*INDAM*5*C	34354*CLP90	Endosulfan sulfate	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39301*CLP90	4,4'-DDT	UG/KG-	40.0	39.3	98.3	80-120
05/15/94	CCS*INDAM*5*C	39481*CLP90	Methoxychlor	UG/KG-	200	195	97.5	80-120
05/15/94	CCS*INDAM*5*C	98591*CLP90	Endrin ketone	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	34369*CLP90	Endrin aldehyde	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	97501*CLP90	alpha-Chlordane	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39811*CLP90	gamma-Chlordane	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/15/94	CCS*INDAM*5*C	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39076*CLP90	alpha-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	34257*CLP90	beta-BHC	UG/KG-	20.0	20.1	101	80-120
05/15/94	CCS*INDBM*5	34262*CLP90	delta-BHC	UG/KG-	20.0	20.1	101	80-120
05/15/94	CCS*INDBM*5	39783*CLP90	gamma-BHC (Lindane)	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39413*CLP90	Heptachlor	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39333*CLP90	Aldrin	UG/KG-	20.0	20.1	101	80-120
05/15/94	CCS*INDBM*5	39423*CLP90	Heptachlor epoxide	UG/KG-	20.0	20.0	100.0	80-120
05/15/94	CCS*INDBM*5	34364*CLP90	Endosulfan I	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39383*CLP90	Dieldrin	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39321*CLP90	4,4'-DDE	UG/KG-	40.0	39.9	99.8	80-120
05/15/94	CCS*INDBM*5	39393*CLP90	Endrin	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	34359*CLP90	Endosulfan II	UG/KG-	40.0	39.6	99.0	80-120
05/15/94	CCS*INDBM*5	39311*CLP90	4,4'-DDD	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	34354*CLP90	Endosulfan sulfate	UG/KG-	40.0	39.6	99.0	80-120
05/15/94	CCS*INDBM*5	39301*CLP90	4,4'-DDT	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39481*CLP90	Methoxychlor	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	98591*CLP90	Endrin ketone	UG/KG-	40.0	39.6	99.0	80-120
05/15/94	CCS*INDBM*5	34369*CLP90	Endrin aldehyde	UG/KG-	40.0	39.7	99.3	80-120
05/15/94	CCS*INDBM*5	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	20.0	100.0	80-120
05/15/94	CCS*INDBM*5	39811*CLP90	gamma-Chlordane	UG/KG-	20.0	19.9	99.5	80-120
05/15/94	CCS*INDBM*5	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39076*CLP90	alpha-BHC	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	34257*CLP90	beta-BHC	UG/KG-	20.0	20.1	101	80-120
05/15/94	CCS*INDBM*5*C	34262*CLP90	delta-BHC	UG/KG-	20.0	19.7	98.5	80-120
05/15/94	CCS*INDBM*5*C	39783*CLP90	gamma-BHC (Lindane)	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39413*CLP90	Heptachlor	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39333*CLP90	Aldrin	UG/KG-	20.0	20.0	100.0	80-120
05/15/94	CCS*INDBM*5*C	39423*CLP90	Heptachlor epoxide	UG/KG-	20.0	20.0	100.0	80-120
05/15/94	CCS*INDBM*5*C	34364*CLP90	Endosulfan I	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39383*CLP90	Dieldrin	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39321*CLP90	4,4'-DDE	UG/KG-	40.0	39.2	98.0	80-120
05/15/94	CCS*INDBM*5*C	39393*CLP90	Endrin	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	34359*CLP90	Endosulfan II	UG/KG-	40.0	40.1	100	80-120
05/15/94	CCS*INDBM*5*C	39311*CLP90	4,4'-DDD	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	34354*CLP90	Endosulfan sulfate	UG/KG-	40.0	40.1	100	80-120
05/15/94	CCS*INDBM*5*C	39301*CLP90	4,4'-DDT	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39481*CLP90	Methoxychlor	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	98591*CLP90	Endrin ketone	UG/KG-	40.0	40.0	100.0	80-120
05/15/94	CCS*INDBM*5*C	34369*CLP90	Endrin aldehyde	UG/KG-	40.0	39.6	99.0	80-120

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Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/15/94	CCS*INDBM*5*C	97501*CLP90	alpha-Chlordane	UG/KG-	20.0	20.1	101	80-120
05/15/94	CCS*INDBM*5*C	39811*CLP90	gamma-Chlordane	UG/KG-	20.0	19.9	99.5	80-120
05/15/94	CCS*INDBM*5*C	39403*CLP90	Toxaphene	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39514*CLP90	Aroclor-1016	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39491*CLP90	Aroclor-1221	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39495*CLP90	Aroclor-1232	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39499*CLP90	Aroclor-1242	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39503*CLP90	Aroclor-1248	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39507*CLP90	Aroclor-1254	UG/KG-		ND		80-120
05/15/94	CCS*INDBM*5*C	39511*CLP90	Aroclor-1260	UG/KG-		ND		80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/15/94	MB*QC*1	39076*CLP90	alpha-BHC	UG/KG-	ND
05/15/94	MB*QC*1	34257*CLP90	beta-BHC	UG/KG-	ND
05/15/94	MB*QC*1	34262*CLP90	delta-BHC	UG/KG-	ND
05/15/94	MB*QC*1	39783*CLP90	gamma-BHC (Lindane)	UG/KG-	ND
05/15/94	MB*QC*1	39413*CLP90	Heptachlor	UG/KG-	ND
05/15/94	MB*QC*1	39333*CLP90	Aldrin	UG/KG-	ND
05/15/94	MB*QC*1	39423*CLP90	Heptachlor epoxide	UG/KG-	ND
05/15/94	MB*QC*1	34364*CLP90	Endosulfan I	UG/KG-	ND
05/15/94	MB*QC*1	39383*CLP90	Dieldrin	UG/KG-	ND
05/15/94	MB*QC*1	39321*CLP90	4,4'-DDE	UG/KG-	ND
05/15/94	MB*QC*1	39393*CLP90	Endrin	UG/KG-	ND
05/15/94	MB*QC*1	34359*CLP90	Endosulfan II	UG/KG-	ND
05/15/94	MB*QC*1	39311*CLP90	4,4'-DDD	UG/KG-	ND
05/15/94	MB*QC*1	34354*CLP90	Endosulfan sulfate	UG/KG-	ND
05/15/94	MB*QC*1	39301*CLP90	4,4'-DDT	UG/KG-	5.58
05/15/94	MB*QC*1	39481*CLP90	Methoxychlor	UG/KG-	ND
05/15/94	MB*QC*1	98591*CLP90	Endrin ketone	UG/KG-	ND
05/15/94	MB*QC*1	34369*CLP90	Endrin aldehyde	UG/KG-	ND
05/15/94	MB*QC*1	97501*CLP90	alpha-Chlordane	UG/KG-	ND
05/15/94	MB*QC*1	39811*CLP90	gamma-Chlordane	UG/KG-	ND
05/15/94	MB*QC*1	39403*CLP90	Toxaphene	UG/KG-	ND
05/15/94	MB*QC*1	39514*CLP90	Aroclor-1016	UG/KG-	ND
05/15/94	MB*QC*1	39491*CLP90	Aroclor-1221	UG/KG-	ND
05/15/94	MB*QC*1	39495*CLP90	Aroclor-1232	UG/KG-	ND
05/15/94	MB*QC*1	39499*CLP90	Aroclor-1242	UG/KG-	ND
05/15/94	MB*QC*1	39503*CLP90	Aroclor-1248	UG/KG-	ND
05/15/94	MB*QC*1	39507*CLP90	Aroclor-1254	UG/KG-	ND
05/15/94	MB*QC*1	39511*CLP90	Aroclor-1260	UG/KG-	ND

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/15/94	SPM1*CDMHNSS*36	39076*CLP90	alpha-BHC		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	34257*CLP90	beta-BHC		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	34262*CLP90	delta-BHC		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39783*CLP90	gamma-BHC (Lindane)	96.0	46.5-126.5	0.0	UG/KG-	17.6	16.9
05/15/94	SPM1*CDMHNSS*36	39413*CLP90	Heptachlor	91.5	35.5-129.5	0.0	UG/KG-	17.6	16.1
05/15/94	SPM1*CDMHNSS*36	39333*CLP90	Aldrin	83.0	34-132	0.0	UG/KG-	17.6	14.6
05/15/94	SPM1*CDMHNSS*36	39423*CLP90	Heptachlor epoxide		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	34364*CLP90	Endosulfan I		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39383*CLP90	Dieldrin	119.9	31.5-133.5	8.34	UG/KG-	35.2	42.2
05/15/94	SPM1*CDMHNSS*36	39321*CLP90	4,4'-DDE		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39393*CLP90	Endrin	100.3	42.5-138.5	0.0	UG/KG-	35.2	35.3
05/15/94	SPM1*CDMHNSS*36	34359*CLP90	Endosulfan II		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39311*CLP90	4,4'-DDD		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	34354*CLP90	Endosulfan sulfate		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39301*CLP90	4,4'-DDT	-22.7	23.5-133.5	184	UG/KG-	35.2	-8.00
05/15/94	SPM1*CDMHNSS*36	39481*CLP90	Methoxychlor		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	98591*CLP90	Endrin ketone		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	34369*CLP90	Endrin aldehyde		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	97501*CLP90	alpha-Chlordane		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39811*CLP90	gamma-Chlordane		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39403*CLP90	Toxaphene		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39514*CLP90	Aroclor-1016		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39491*CLP90	Aroclor-1221		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39495*CLP90	Aroclor-1232		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39499*CLP90	Aroclor-1242		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39503*CLP90	Aroclor-1248		80-120	0.0	UG/KG-		ND
05/15/94	SPM1*CDMHNSS*36	39507*CLP90	Aroclor-1254		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
05/15/94	SPM1*CDMHNSS*36	39511*CLP90	Aroclor-1260		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39076*CLP90	alpha-BHC		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	34257*CLP90	beta-BHC		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	34262*CLP90	delta-BHC		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39783*CLP90	gamma-BHC (Lindane)	96.0	46.5-126.5	0.0	UG/KG-	17.6	16.9
05/15/94	SPM2*CDMHNSS*36	39413*CLP90	Heptachlor	88.6	35.5-129.5	0.0	UG/KG-	17.6	15.6
05/15/94	SPM2*CDMHNSS*36	39333*CLP90	Aldrin	81.3	34-132	0.0	UG/KG-	17.6	14.3
05/15/94	SPM2*CDMHNSS*36	39423*CLP90	Heptachlor epoxide		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	34364*CLP90	Endosulfan I		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39383*CLP90	Dieldrin	93.5	31.5-133.5	8.34	UG/KG-	35.2	32.9
05/15/94	SPM2*CDMHNSS*36	39321*CLP90	4,4'-DDE		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39393*CLP90	Endrin	97.2	42.5-138.5	0.0	UG/KG-	35.2	34.2
05/15/94	SPM2*CDMHNSS*36	34359*CLP90	Endosulfan II		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39311*CLP90	4,4'-DDD		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	34354*CLP90	Endosulfan sulfate		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39301*CLP90	4,4'-DDT	-73.9	23.5-133.5	184	UG/KG-	35.2	-26.0
05/15/94	SPM2*CDMHNSS*36	39481*CLP90	Methoxychlor		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	98591*CLP90	Endrin ketone		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	34369*CLP90	Endrin aldehyde		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	97501*CLP90	alpha-Chlordane		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39811*CLP90	gamma-Chlordane		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39403*CLP90	Toxaphene		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39514*CLP90	Aroclor-1016		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39491*CLP90	Aroclor-1221		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39495*CLP90	Aroclor-1232		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39499*CLP90	Aroclor-1242		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39503*CLP90	Aroclor-1248		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39507*CLP90	Aroclor-1254		80-120	0.0	UG/KG-		ND
05/15/94	SPM2*CDMHNSS*36	39511*CLP90	Aroclor-1260		80-120	0.0	UG/KG-		ND

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/13/94	CCS*INDAM*2	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	20.0	100.0	60-150
05/13/94	CCS*INDAM*2	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	39.1	97.8	60-150
05/13/94	CCS*INDAM*2*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	20.4	102	60-150
05/13/94	CCS*INDAM*2*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.4	101	60-150
05/13/94	CCS*INDBM*2	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.7	98.5	60-150
05/13/94	CCS*INDBM*2	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	39.0	97.5	60-150
05/13/94	CCS*INDBM*2*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.6	98.0	60-150
05/13/94	CCS*INDBM*2*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.1	100	60-150
05/14/94	CCS*INDAM*3	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	20.0	100.0	60-150
05/14/94	CCS*INDAM*3	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	39.1	97.8	60-150
05/14/94	CCS*INDAM*3*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	20.2	101	60-150
05/14/94	CCS*INDAM*3*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.4	101	60-150
05/14/94	CCS*INDBM*3	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.5	97.5	60-150
05/14/94	CCS*INDBM*3	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	38.7	96.8	60-150
05/14/94	CCS*INDBM*3*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.8	99.0	60-150
05/14/94	CCS*INDBM*3*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.6	102	60-150
05/15/94	CCS*INDAM*4	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.8	99.0	60-150
05/15/94	CCS*INDAM*4	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	39.4	98.5	60-150
05/15/94	CCS*INDAM*4*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.8	99.0	60-150
05/15/94	CCS*INDAM*4*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	39.8	99.5	60-150
05/15/94	CCS*INDBM*4	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.4	97.0	60-150
05/15/94	CCS*INDBM*4	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	38.7	96.8	60-150
05/15/94	CCS*INDBM*4*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	19.9	99.5	60-150
05/15/94	CCS*INDBM*4*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.1	100	60-150
05/15/94	MB*QC*1	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	9.32	70.1	60-150
05/15/94	MB*QC*1	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	13.0	97.7	60-150
05/15/94	DA*CDMHNSS*36	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	12.1	91.0	60-150
05/15/94	DA*CDMHNSS*36	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	13.5	102	60-150
05/15/94	SPM1*CDMHNSS*36	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	11.5	86.5	60-150
05/15/94	SPM1*CDMHNSS*36	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	12.9	97.0	60-150
05/15/94	SPM2*CDMHNSS*36	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	13.3	11.5	86.5	60-150
05/15/94	SPM2*CDMHNSS*36	95000*SUR	DECACHLOROBIPHENYL	UG/KG	13.3	12.8	96.2	60-150
05/15/94	CCS*INDAM*5	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	20.3	102	60-150
05/15/94	CCS*INDAM*5	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	39.6	99.0	60-150
05/15/94	CCS*INDAM*5*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	20.4	102	60-150
05/15/94	CCS*INDAM*5*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.4	101	60-150
05/15/94	CCS*INDBM*5	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	20.3	102	60-150
05/15/94	CCS*INDBM*5	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.6	102	60-150
05/15/94	CCS*INDBM*5*C	96999*SUR	TETRACHLORO-M-XYLENE (CLP90)	UG/KG	20.0	20.1	101	60-150
05/15/94	CCS*INDBM*5*C	95000*SUR	DECACHLOROBIPHENYL	UG/KG	40.0	40.6	102	60-150

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Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49216 Analysis Date: 05/12/94 Analyst: VICTOR BAUDER

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?		X	
Standard matrix spike within acceptance criteria?			
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	4,4'-DDT
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	4,4'-DDT
Surrogate present?	X		
Surrogate within acceptance criteria?		X	TCX
			DCBP

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49216

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 : G49246
CLASSIFICATION : CHL. PESTS - EPA 8080/3540 (SOX)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : ABRAHAM JACOB
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 05/23/94 14:20:43
ANALYSIS DATE : 05/16/94
EXTRACT DATE : 05/14/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

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*37	EA01-5-12	05/17/94	02:44PM
CDMHNSS*38	EA01-6-10	05/17/94	03:29PM

ESE BATCH : G49246

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: 05/16/94 LARGEST RESP=1951156 %RSD=7.6411 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	15871	89651	178444	485050	960996	1951156
CONC':	0.0009	0.004	0.020	0.038	0.102	0.199	0.400
R.T.:		11.052	11.046	11.047	11.038	11.034	11.028

CONC = 9.2290E-04+ 2.0862E-07*RESP+ -2.0850E-15*RESP**2+ *RESP**3
95% C.I.= 1.5425E-03 5.7590E-09 2.9347E-15
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=489868 %RSD=12.6978 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3736	18586	35639	91078	197027	489868
CONC':	-.083	0.994	5.22	9.99	24.8	50.1	100.0
R.T.:		13.812	13.812	13.814	13.812	13.812	13.807

CONC = -8.2597E-02+ 2.8868E-04*RESP+ -1.7229E-10*RESP**2+ *RESP**3
95% C.I.= 1.8740E-01 3.1076E-06 6.2130E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=455966 %RSD=11.1194 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3532	17742	34588	89118	191263	455966
CONC':	-.010	1.02	5.14	9.93	24.8	50.1	100.0
R.T.:		15.424	15.423	15.424	15.423	15.422	15.420

CONC = -1.0230E-02+ 2.9299E-04*RESP+ -1.6159E-10*RESP**2+ *RESP**3
95% C.I.= 1.4701E-01 2.5610E-06 5.5162E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=298781 %RSD=9.3107 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2335	13006	24094	60668	124046	298781
CONC':	-.384	0.664	5.40	10.2	25.5	49.5	100
R.T.:		17.250	17.248	17.249	17.247	17.244	17.240

CONC = -3.8402E-01+ 4.4958E-04*RESP+ -3.7958E-10*RESP**2+ *RESP**3
95% C.I.= 5.3589E-01 1.4080E-05 4.6146E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=658756 %RSD=6.2171 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5904	28958	55260	142296	292082	658756
CONC':	-.168	0.929	5.18	9.96	25.3	49.8	100
R.T.:		16.732	16.731	16.732	16.730	16.729	16.727

CONC = -1.6798E-01+ 1.8616E-04*RESP+ -5.1710E-11*RESP**2+ *RESP**3
95% C.I.= 2.3979E-01 2.7795E-06 4.1531E-12
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: 05/16/94 LARGEST RESP=262174 %RSD=8.7730 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2021	11808	22930	62476	123533	262174

ESE BATCH : G49246

CONC':	0.088	0.933	5.01	9.61	25.7	49.6	100
R.T.:		15.752	15.750	15.753	15.750	15.746	15.742

CONC = 8.7510E-02+ 4.1861E-04*RESP+ -1.4240E-10*RESP**2+ *RESP**3
95% C.I.= 4.8977E-01 1.3817E-05 5.2193E-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: 05/16/94 LARGEST RESP=680685 %RSD=20.5180 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4045	21386	44914	121182	276464	680685
CONC':	0.516	1.35	4.87	9.57	24.1	50.5	99.9
R.T.:		18.070	18.074	18.075	18.076	18.075	18.074

CONC = 5.1623E-01+ 2.0545E-04*RESP+ -8.7285E-11*RESP**2+ *RESP**3
95% C.I.= 7.1503E-01 8.6557E-06 1.2509E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=574722 %RSD=9.8952 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4805	22851	44173	114566	244928	574722
CONC':	-.014	1.08	5.14	9.86	24.8	50.1	100.0
R.T.:		20.391	20.390	20.391	20.391	20.391	20.388

CONC = -1.3688E-02+ 2.2754E-04*RESP+ -9.3167E-11*RESP**2+ *RESP**3
95% C.I.= 1.6602E-01 2.2753E-06 3.8915E-12
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: 05/16/94 LARGEST RESP=486135 %RSD=8.2105 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4148	20170	38990	100352	209965	486135
CONC':	-.112	0.977	5.14	9.96	25.1	49.9	100
R.T.:		21.820	21.820	21.821	21.821	21.820	21.820

CONC = -1.1178E-01+ 2.6293E-04*RESP+ -1.1719E-10*RESP**2+ *RESP**3
95% C.I.= 1.2296E-01 1.9662E-06 3.9763E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=412501 %RSD=12.5762 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2826	17968	33425	81510	166149	412501
CONC':	-.510	0.444	5.50	10.5	25.6	49.4	100
R.T.:		22.779	22.777	22.782	22.781	22.779	22.773

CONC = -5.1037E-01+ 3.3848E-04*RESP+ -2.2945E-10*RESP**2+ *RESP**3
95% C.I.= 7.4668E-01 1.4385E-05 3.4066E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=535292 %RSD=13.9602 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3870	19386	38236	100648	216310	535292
CONC':	0.043	1.05	5.06	9.84	24.9	50.1	100.0
R.T.:		23.067	23.068	23.068	23.068	23.068	23.068

CONC = 4.3438E-02+ 2.6148E-04*RESP+ -1.3967E-10*RESP**2+ *RESP**3
95% C.I.= 1.1280E-01 1.7086E-06 3.1298E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=284685 %RSD=15.5160 RT WINDOW:

CONC :	0	1	5	10	25	50	100

ESE BATCH : G49246

RESP :	0	2739	10695	19552	53817	110111	284685
CONC':	-.284	1.12	5.17	9.58	25.8	49.6	100
R.T.:		24.119	24.118	24.117	24.120	24.117	24.119

CONC = -2.8388E-01+ 5.1585E-04*RESP+ -5.7413E-10*RESP**2+ *RESP**3
95% C.I.= 5.9330E-01 1.7079E-05 5.8583E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=182882 %RSD=10.2512 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1404	8475	14473	38526	75491	182882
CONC':	-.488	0.537	5.64	9.89	26.2	49.1	100
R.T.:		24.374	24.375	24.374	24.375	24.368	24.370

CONC = -4.8806E-01+ 7.3171E-04*RESP+ -9.9349E-10*RESP**2+ *RESP**3
95% C.I.= 1.0026E+00 4.2722E-05 2.2857E-10
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=319866 %RSD=5.1891 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3191	14851	28153	76825	144904	319866
CONC':	-.285	0.865	5.04	9.76	26.6	48.9	100
R.T.:		24.527	24.530	24.527	24.530	24.523	24.528

CONC = -2.8528E-01+ 3.6082E-04*RESP+ -1.4656E-10*RESP**2+ *RESP**3
95% C.I.= 1.0953E+00 2.5340E-05 7.8068E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=239952 %RSD=8.4885 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2148	11846	19427	52733	101272	239952
CONC':	-.569	0.587	5.75	9.72	26.5	48.9	100
R.T.:		25.036	25.036	25.036	25.036	25.033	25.035

CONC = -5.6851E-01+ 5.3910E-04*RESP+ -4.9791E-10*RESP**2+ *RESP**3
95% C.I.= 1.1903E+00 3.8013E-05 1.5511E-10
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=332580 %RSD=4.1131 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3034	15275	31968	83663	161255	332580
CONC':	0.002	0.948	4.76	9.93	25.9	49.4	100
R.T.:		25.284	25.286	25.285	25.286	25.281	25.284

CONC = 2.0929E-03+ 3.1172E-04*RESP+ -3.2460E-11*RESP**2+ *RESP**3
95% C.I.= 5.9819E-01 1.3028E-05 3.8847E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=310656 %RSD=7.2673 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2666	13244	25262	70731	138553	310656
CONC':	-.047	0.975	5.00	9.53	26.1	49.3	100
R.T.:		25.562	25.563	25.561	25.564	25.556	25.564

CONC = -4.7378E-02+ 3.8402E-04*RESP+ -1.9870E-10*RESP**2+ *RESP**3
95% C.I.= 7.6826E-01 1.8685E-05 5.9310E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=1 DATE: 05/16/94 LARGEST RESP=86697 %RSD=9.0239 RT WINDOW:

ESE BATCH : G49246

CONC :	0	1	5	[illegible]	25	50	100
RESP :	0	766	3831	6506	19460	37797	86697
CONC':	-.091	0.996	5.38	9.02	26.4	49.2	100
R.T.:		27.005	27.004	27.005	27.007	27.003	27.003

CONC = -9.0560E-02+ 1.4203E-03*RESP+ [illegible] 0546E-09*RESP**2+ *RESP**3
95% C.I.= 1.0587E+00 9.3172E-05 [illegible] 0579E-09
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (NG/ML)
DETECTION LIMIT=.004 DATE: 05/16/94 LARGEST RESP=1241617 %RSD=4.2406 RT WINDOW:

CONC :	0	.004	.020	.040	.100	.200	.400
RESP :	0	12764	60106	113150	303972	585670	1241617
CONC':	-.0007	0.004	0.020	0.039	0.104	0.197	0.400
R.T.:		30.808	30.813	30.809	30.812	30.801	30.810

CONC = -6.9346E-04+ 3.5161E-07*RESP+ -2.3035E-14*RESP**2+ *RESP**3
95% C.I.= 2.8594E-03 1.6853E-08 1.3417E-14
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49246

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/17/94	CCS*IND6*1	39076*8080/3540-G	BHC,A	UG/KG-	490000	535000	109	80-120
05/17/94	CCS*IND6*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	456000	492000	108	80-120
05/17/94	CCS*IND6*1	34262*8080/3540-G	BHC,D	UG/KG-	299000	317000	106	80-120
05/17/94	CCS*IND6*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	659000	685000	104	80-120
05/17/94	CCS*IND6*1	34257*8080/3540-G	BHC,B	UG/KG-	262000	272000	104	80-120
05/17/94	CCS*IND6*1	39333*8080/3540-G	ALDRIN	UG/KG-	681000	696000	102	80-120
05/17/94	CCS*IND6*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	575000	589000	102	80-120
05/17/94	CCS*IND6*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	486000	482000	99.2	80-120
05/17/94	CCS*IND6*1	39321*8080/3540-G	DDE,PP'	UG/KG-	413000	414000	100	80-120
05/17/94	CCS*IND6*1	39383*8080/3540-G	DIELDRIN	UG/KG-	535000	539000	101	80-120
05/17/94	CCS*IND6*1	39393*8080/3540-G	ENDRIN	UG/KG-	285000	286000	100	80-120
05/17/94	CCS*IND6*1	39311*8080/3540-G	DDD,PP'	UG/KG-	183000	181000	98.9	80-120
05/17/94	CCS*IND6*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	320000	331000	103	80-120
05/17/94	CCS*IND6*1	39301*8080/3540-G	DDT,PP'	UG/KG-	240000	233000	97.1	80-120
05/17/94	CCS*IND6*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	333000	338000	102	80-120
05/17/94	CCS*IND6*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	311000	307000	98.7	80-120
05/17/94	CCS*IND6*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	86700	82400	95.0	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/17/94	MB*QC*1	39076*8080/3540-G	BHC,A	UG/KG-	ND
05/17/94	MB*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	UG/KG-	ND
05/17/94	MB*QC*1	34262*8080/3540-G	BHC,D	UG/KG-	ND
05/17/94	MB*QC*1	39413*8080/3540-G	HEPTACHLOR	UG/KG-	ND
05/17/94	MB*QC*1	34257*8080/3540-G	BHC,B	UG/KG-	ND
05/17/94	MB*QC*1	39333*8080/3540-G	ALDRIN	UG/KG-	ND
05/17/94	MB*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE	UG/KG-	ND
05/17/94	MB*QC*1	34364*8080/3540-G	ENDOSULFAN,A	UG/KG-	ND
05/17/94	MB*QC*1	39321*8080/3540-G	DDE,PP'	UG/KG-	ND
05/17/94	MB*QC*1	39383*8080/3540-G	DIELDRIN	UG/KG-	ND
05/17/94	MB*QC*1	39393*8080/3540-G	ENDRIN	UG/KG-	ND
05/17/94	MB*QC*1	39311*8080/3540-G	DDD,PP'	UG/KG-	ND
05/17/94	MB*QC*1	34359*8080/3540-G	ENDOSULFAN,B	UG/KG-	ND
05/17/94	MB*QC*1	39301*8080/3540-G	DDT,PP'	UG/KG-	2.66
05/17/94	MB*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE	UG/KG-	ND
05/17/94	MB*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE	UG/KG-	ND
05/17/94	MB*QC*1	39481*8080/3540-G	METHOXYCHLOR	UG/KG-	ND
05/17/94	MB*QC*1	39351*8080/3540-G	CHLORDANE	UG/KG-	ND
05/17/94	MB*QC*1	39403*8080/3540-G	TOXAPHENE	UG/KG-	ND
05/17/94	MB*QC*1	39514*8080/3540-G	PCB-1016	UG/KG-	ND
05/17/94	MB*QC*1	39511*8080/3540-G	PCB-1260	UG/KG-	ND
05/17/94	MB*QC*1	39491*8080/3540-G	PCB-1221	UG/KG-	ND
05/17/94	MB*QC*1	39495*8080/3540-G	PCB-1232	UG/KG-	ND
05/17/94	MB*QC*1	39499*8080/3540-G	PCB-1242	UG/KG-	ND
05/17/94	MB*QC*1	39503*8080/3540-G	PCB-1248	UG/KG-	ND
05/17/94	MB*QC*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
05/17/94	SP1*QC*1	39076*8080/3540-G	BHC,A		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39783*8080/3540-G	BHC,G(LINDANE)	117.1	45-129	UG/KG-	33.3	39.0
05/17/94	SP1*QC*1	34262*8080/3540-G	BHC,D		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39413*8080/3540-G	HEPTACHLOR	106.3	30-148	UG/KG-	33.3	35.4
05/17/94	SP1*QC*1	34257*8080/3540-G	BHC,B		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39333*8080/3540-G	ALDRIN	98.5	53-133	UG/KG-	33.3	32.8
05/17/94	SP1*QC*1	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	34364*8080/3540-G	ENDOSULFAN,A		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39321*8080/3540-G	DDE,PP'		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39383*8080/3540-G	DIELDRIN	90.4	46-140	UG/KG-	66.7	60.3
05/17/94	SP1*QC*1	39393*8080/3540-G	ENDRIN	108.1	52-126	UG/KG-	66.7	72.1
05/17/94	SP1*QC*1	39311*8080/3540-G	DDD,PP'		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	34359*8080/3540-G	ENDOSULFAN,B		80-120	UG/KG-		ND

ESE BATCH : G49246

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/17/94	SP1*QC*1	39301*8080/3540-G	DDT,PP'	112.3	37-155	UG/KG-	66.7	74.9
05/17/94	SP1*QC*1	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39481*8080/3540-G	METHOXYCHLOR		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39351*8080/3540-G	CHLORDANE		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39403*8080/3540-G	TOXAPHENE		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39514*8080/3540-G	PCB-1016		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39511*8080/3540-G	PCB-1260		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39491*8080/3540-G	PCB-1221		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39495*8080/3540-G	PCB-1232		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39499*8080/3540-G	PCB-1242		80-120	UG/KG-		ND
05/17/94	SP1*QC*1	39503*8080/3540-G	PCB-1248		80-120	UG/KG-		ND
05/17/94	SP1*QC*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
05/17/94	SPM1*CDMHNSS*38	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39783*8080/3540-G	BHC,G(LINDANE)	133.0	45-129	0.0	UG/KG-	34.9	46.4
05/17/94	SPM1*CDMHNSS*38	34262*8080/3540-G	BHC,D		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39413*8080/3540-G	HEPTACHLOR	115.2	30-148	0.0	UG/KG-	34.9	40.2
05/17/94	SPM1*CDMHNSS*38	34257*8080/3540-G	BHC,B		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39333*8080/3540-G	ALDRIN	110.9	53-133	0.360	UG/KG-	34.9	38.7
05/17/94	SPM1*CDMHNSS*38	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39383*8080/3540-G	DIELDRIN	107.7	46-140	0.856	UG/KG-	69.7	75.1
05/17/94	SPM1*CDMHNSS*38	39393*8080/3540-G	ENDRIN	129.8	52-126	0.0	UG/KG-	69.7	90.5
05/17/94	SPM1*CDMHNSS*38	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39301*8080/3540-G	DDT,PP'	130.4	37-155	7.16	UG/KG-	69.7	90.9
05/17/94	SPM1*CDMHNSS*38	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
05/17/94	SPM1*CDMHNSS*38	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39076*8080/3540-G	BHC,A		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39783*8080/3540-G	BHC G(LINDANE)	147.6	45-129	0.0	UG/KG-	34.9	51.5
05/17/94	SPM2*CDMHNSS*38	34262*8080/3540-G	BHC D		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39413*8080/3540-G	HEPTACHLOR	131.2	30-148	0.0	UG/KG-	34.9	45.8
05/17/94	SPM2*CDMHNSS*38	34257*8080/3540-G	BHC B		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39333*8080/3540-G	ALDRIN	124.6	53-133	0.360	UG/KG-	34.9	43.5
05/17/94	SPM2*CDMHNSS*38	39423*8080/3540-G	HEPTACHLOR EPOXIDE		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	34364*8080/3540-G	ENDOSULFAN,A		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39321*8080/3540-G	DDE,PP'		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39383*8080/3540-G	DIELDRIN	114.5	46-140	0.856	UG/KG-	69.7	79.8
05/17/94	SPM2*CDMHNSS*38	39393*8080/3540-G	ENDRIN	137.6	52-126	0.0	UG/KG-	69.7	95.9
05/17/94	SPM2*CDMHNSS*38	39311*8080/3540-G	DDD,PP'		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	34359*8080/3540-G	ENDOSULFAN,B		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39301*8080/3540-G	DDT,PP'	134.6	37-155	7.16	UG/KG-	69.7	93.8
05/17/94	SPM2*CDMHNSS*38	34369*8080/3540-G	ENDRIN ALDEHYDE		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	34354*8080/3540-G	ENDOSULFAN SULFATE		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39481*8080/3540-G	METHOXYCHLOR		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39351*8080/3540-G	CHLORDANE		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39403*8080/3540-G	TOXAPHENE		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39514*8080/3540-G	PCB-1016		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39511*8080/3540-G	PCB-1260		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39491*8080/3540-G	PCB-1221		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39495*8080/3540-G	PCB-1232		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39499*8080/3540-G	PCB-1242		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39503*8080/3540-G	PCB-1248		80-120	0.0	UG/KG-		ND
05/17/94	SPM2*CDMHNSS*38	39507*8080/3540-G	PCB-1254		80-120	0.0	UG/KG-		ND

ESE BATCH : G49246

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/17/94	MB*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.071	106	67-119
05/17/94	MB*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.080	119	51-169
05/17/94	SP1*QC*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.067	100.0	67-119
05/17/94	SP1*QC*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.073	109	51-169
05/17/94	SPM1*CDMHNSS*38	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.074	110	67-119
05/17/94	SPM1*CDMHNSS*38	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.082	122	51-169
05/17/94	SPM2*CDMHNSS*38	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.084	125	67-119
05/17/94	SPM2*CDMHNSS*38	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.100	149	51-169
05/17/94	DA*CDMHNSS*37	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.073	109	67-119
05/17/94	DA*CDMHNSS*37	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.082	122	51-169
05/17/94	DA*CDMHNSS*38	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	0.067	0.083	124	67-119
05/17/94	DA*CDMHNSS*38	96343*SUR	DECACHLOROBIPHENYL	UG/G	0.067	0.092	137	51-169
05/17/94	CCS*IND6*1	96471*SUR	TETRACHLORO-M-XYLENE	UG/G	1950000	1970000	101	67-119
05/17/94	CCS*IND6*1	96343*SUR	DECACHLOROBIPHENYL	UG/G	1240000	1180000	95.2	51-169

ESE BATCH : G49246

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

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

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

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

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

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

ESE BATCH : G49246

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49246 Analysis Date: 05/16/94 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		
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	39783*8080 _____
			39393*8080 _____
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	39783*8080 _____
			39393*8080 _____
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 AND MATRIX SPIKE DUP
NOT WITHIN ACCEPTANCE CRITERIA.
EXPL: SAMPLE MATRIX EFFECTS.
PROB: SURROGATE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL: DCBP OK. / GA 05-17-94

ESE BATCH : G49246

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

Waters

Total Recoverable Petroleum Hydrocarbons

ESE BATCH : G48587
CLASSIFICATION : TRPH - EPA 418.1

QC TYPE	: FDER/SW	REPORT DATE/TIME	: 05/24/94 14:55:31
ANALYST	: ERIC ANDERSON	ANALYSIS DATE	: 04/28/94
EXTRACTOR	: ERIC ANDERSON	EXTRACT DATE	: 04/27/94
DATA ENTRY	: ERIC ANDERSON		

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*1	WA05-1-EB1		

ESE BATCH : G48587

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 95129 METHOD: 0 %T OF BASELINE, TRPH

STORET: 95130 METHOD: 0 %T OF SAMPLE, TRPH

STORET: 95167 METHOD: 0 DELTA ABSORBANCE, ABSORBANCE TRPH

STORET: 45501 METHOD: 418.1-G HYDROCARBONS,PETRO (TRPH), MG/L TRPH

CALIBRATION CURVE # 1 (MG/L)
DETECTION LIMIT=1.672 DATE: 04/27/94 LARGEST RESP=16 %RSD=132 2603 RT WINDOW:

CONC :	0.0	1.672	3.344	8.360	16.72	33.44	83.60
%T :	90	87	84	76	64	45	16
RESP :	0.0	0.01	0.03	0.07	0.14	0.30	0.75
CONC':	10000	9690	9350	8460	7130	5010	1780

CONC = 6.6538E-02+ 1.1134E+02*RESP+ *RESP**2+ *RESP**3
95% C.I.= 1.1138E-01 3.5690E-01
CORRELATION COEFFICIENT = 1.0000

ESE BATCH : G48587

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	FOUND
04/28/94	CCB*QC*1	95129*0	%T OF BASELINE			90
04/28/94	CCB*QC*1	95130*0	%T OF SAMPLE			90.0
04/28/94	CCB*QC*1	95167*0	DELTA ABSORBANCE		ABSORB	ND
04/28/94	CCB*QC*1	45501*418.1-G	HYDROCARBONS,PETRO	(TRPH)	MG/L	0.07

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/28/94	CCV*QC*1	95129*0	%T OF BASELINE				T*1		80-120
04/28/94	CCV*QC*1	95130*0	%T OF SAMPLE				T*1		80-120
04/28/94	CCV*QC*1	95167*0	DELTA ABSORBANCE		ABSORB		T*1		80-120
04/28/94	CCV*QC*1	45501*418.1-G	HYDROCARBONS,PETRO	(TRPH)	MG/L	33.4	33.6	101	76-122

Initial Calibration Blank Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	FOUND
04/28/94	ICB*QC*1	95129*0	%T OF BASELINE			90
04/28/94	ICB*QC*1	95130*0	%T OF SAMPLE			90.0
04/28/94	ICB*QC*1	95167*0	DELTA ABSORBANCE		ABSORB	ND
04/28/94	ICB*QC*1	45501*418.1-G	HYDROCARBONS,PETRO	(TRPH)	MG/L	0.07

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/28/94	ICV*QC*1	95129*0	%T OF BASELINE				T*1		80-120
04/28/94	ICV*QC*1	95130*0	%T OF SAMPLE				T*1		80-120
04/28/94	ICV*QC*1	95167*0	DELTA ABSORBANCE		ABSORB		T*1		80-120
04/28/94	ICV*QC*1	45501*418.1-G	HYDROCARBONS,PETRO	(TRPH)	MG/L	33.8	33.6	99.4	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	FOUND
04/28/94	MB*QC*1	95129*0	%T OF BASELINE			9
04/28/94	MB*QC*1	95130*0	%T OF SAMPLE			9.00
04/28/94	MB*QC*1	95167*0	DELTA ABSORBANCE		ABSORB	ND
04/28/94	MB*QC*1	45501*418.1-G	HYDROCARBONS,PETRO	(TRPH)	MG/L	0.007

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER		%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/28/94	SP1*QC*1	45501*418.1-G	HYDROCARBONS,PETRO	(TRPH)	86.6	76-122	MG/L	4.25	3.68

ESE BATCH : G48587

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48587 Analysis Date 04/23/96 Analyst: ERIC ANDERSON

	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		
CCV present?	X		
CCV within acceptance criteria?	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?			

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: KATHLEEN ALLEN 2819
PROB.:SAMPLE MATRIX SPIKE NOT PRESENT.
EXPL.:FIELD BLANK ONLY SAMPLE, NO SPM
REQUIRED./EBA
OK./KKA

ESE BATCH : G48587

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 : G49060
CLASSIFICATION : TRPH - EPA 9071/9073

QC TYPE : FDER/SW
ANALYST : DANIEL DUNCAN
EXTRACTOR : DANIEL DUNCAN
DATA ENTRY : DANIEL DUNCAN

REPORT DATE/TIME : 05/24/94 14:55:49
ANALYSIS DATE : 05/10/94
EXTRACT DATE : 05/10/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*11	WSV2-1-EB2		

ESE BATCH : G49060

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 95129 METHOD: 0 %T OF BASELINE, TRPH

STORET: 95130 METHOD: 0 %T OF SAMPLE, TRPH

STORET: 95167 METHOD: 0 DELTA ABSORBANCE, ABSORBANCE TRPH

STORET: 45501 METHOD: 9071/9073-G HYDROCARBONS,PETRO (TRPH), MG/L TRPH

CALIBRATION CURVE # 1 (MG/L)
DETECTION LIMIT=1.672 DATE: 05/10/94 LARGEST RESP=16 %RSD=132.1999 RT WINDOW:

CONC :	0.0	1.672	3.344	8.360	16.72	33.44	83.60
%T :	90	87	84	76	65	44	16
RESP :	0.0	0.01	0.03	0.07	0.14	0.31	0.75
CONC':	9990	9650	9320	8430	7210	4880	1780

CONC = 9.2146E-02+ 1.1095E+02*RESP+ *RESP**2+ *RESP**3
95% C.I.= 6.2890E-01 2.0093E+00
CORRELATION COEFFICIENT = .9998

STORET: 45501 METHOD: 418.1-G HYDROCARBONS,PETRO (TRPH), MG/L TRPH

CALIBRATION CURVE # 1 (MG/L)
DETECTION LIMIT=1.672 DATE: 05/10/94 LARGEST RESP=16 %RSD=132.1999 RT WINDOW:

CONC :	0.0	1.672	3.344	8.360	16.72	33.44	83.60
%T :	90	87	84	76	65	44	16
RESP :	0.0	0.01	0.03	0.07	0.14	0.31	0.75
CONC':	9990	9650	9320	8430	7210	4880	1780

CONC = 9.2146E-02+ 1.1095E+02*RESP+ *RESP**2- *RESP**3
95% C.I.= 6.2890E-01 2.0093E+00
CORRELATION COEFFICIENT = .9998

ESE BATCH : G49060

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	FOUND
05/10/94	CCB*QC*1	95129*0	%T OF BASELINE			90
05/10/94	CCB*QC*1	95130*0	%T OF SAMPLE			90.0
05/10/94	CCB*QC*1	95167*0	DELTA ABSORBANCE		ABSORB	ND
05/10/94	CCB*QC*1	45501*9071/9073-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	0.09
05/10/94	CCB*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	0.09
05/10/94	CCB*QC*2	95129*0	%T OF BASELINE			90
05/10/94	CCB*QC*2	95130*0	%T OF SAMPLE			90.0
05/10/94	CCB*QC*2	95167*0	DELTA ABSORBANCE		ABSORB	ND
05/10/94	CCB*QC*2	45501*9071/9073-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	0.09
05/10/94	CCB*QC*2	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	0.09

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/10/94	CCV*QC*1	95129*0	%T OF BASELINE				T*1		80-120
05/10/94	CCV*QC*1	95130*0	%T OF SAMPLE				T*1		80-120
05/10/94	CCV*QC*1	95167*0	DELTA ABSORBANCE		ABSORB		T*1		80-120
05/10/94	CCV*QC*1	45501*9071/9073-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	33.4	35.7	107	76-122
05/10/94	CCV*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	33.4	35.7	107	76-122
05/10/94	CCV*QC*2	95129*0	%T OF BASELINE				T*1		80-120
05/10/94	CCV*QC*2	95130*0	%T OF SAMPLE				T*1		80-120
05/10/94	CCV*QC*2	95167*0	DELTA ABSORBANCE		ABSORB		T*1		80-120
05/10/94	CCV*QC*2	45501*9071/9073-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	33.4	35.7	107	76-122
05/10/94	CCV*QC*2	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	33.4	35.7	107	76-122

Initial Calibration Blank Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	FOUND
05/10/94	ICB*QC*1	95129*0	%T OF BASELINE			90
05/10/94	ICB*QC*1	95130*0	%T OF SAMPLE			90.0
05/10/94	ICB*QC*1	95167*0	DELTA ABSORBANCE		ABSORB	ND
05/10/94	ICB*QC*1	45501*9071/9073-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	0.09
05/10/94	ICB*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	0.09

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/10/94	ICV*QC*1	95129*0	%T OF BASELINE				T*1		80-120
05/10/94	ICV*QC*1	95130*0	%T OF SAMPLE				T*1		80-120
05/10/94	ICV*QC*1	95167*0	DELTA ABSORBANCE		ABSORB		T*1		80-120
05/10/94	ICV*QC*1	45501*9071/9073-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	33.8	32.4	95.9	80-120
05/10/94	ICV*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	33.8	32.4	95.9	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	FOUND
05/10/94	MB*QC*1	95129*0	%T OF BASELINE			9
05/10/94	MB*QC*1	95130*0	%T OF SAMPLE			9.00
05/10/94	MB*QC*1	95167*0	DELTA ABSORBANCE		ABSORB	ND
05/10/94	MB*QC*1	45501*9071/9073-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	0.009
05/10/94	MB*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	0.009

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER		%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/10/94	SP1*QC*1	45501*9071/9073-G	HYDROCARBONS, PETRO	(TRPH)	91.6	76-122	MG/L	4.27	3.91
05/10/94	SP1*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	91.6	76-122	MG/L	4.27	3.91
05/10/94	SP2*QC*1	45501*9071/9073-G	HYDROCARBONS, PETRO	(TRPH)	85.9	76-122	MG/L	4.27	3.67
05/10/94	SP2*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	85.9	76-122	MG/L	4.27	3.67

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER		%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/10/94	SPM1*IPSJAXA*3	45501*9071/9073-G	HYDROCARBONS, PETRO	(TRPH)	88.9	76-122	0.01	MG/L	4.69	4.17
05/10/94	SPM1*IPSJAXA*3	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	88.9	76-122	0.01	MG/L	4.69	4.17
05/10/94	SPM2*IPSJAXA*3	45501*9071/9073-G	HYDROCARBONS, PETRO	(TRPH)	88.8	76-122	0.01	MG/L	4.64	4.12
05/10/94	SPM2*IPSJAXA*3	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	88.8	76-122	0.01	MG/L	4.64	4.12

ESE BATCH : G49060

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49060 Analysis Date: 05/10/94 Analyst: DANIEL DUNCAN

	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		
CCV present?	X		
CCV within acceptance criteria?	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		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49060

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 : G49240
CLASSIFICATION : TRPH - EPA 418.1

QC TYPE : FDER/SW
ANALYST : DANIEL DUNCAN
EXTRACTOR : DANIEL DUNCAN
DATA ENTRY : KATHLEEN ALLEN

REPORT DATE/TIME : 05/24/94 14:56:19
ANALYSIS DATE : 05/16/94
EXTRACT DATE : 05/16/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*13	EWW1-1-00		

ESE BATCH : G49240

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 95129 METHOD: 0 %T OF BASELINE, TRPH

STORET: 95130 METHOD: 0 %T OF SAMPLE, TRPH

STORET: 95167 METHOD: 0 DELTA ABSORBANCE, ABSORBANCE TRPH

STORET: 45501 METHOD: 418.1-G HYDROCARBONS,PETRO (TRPH), MG/L TRPH

CALIBRATION CURVE # 1 (MG/L)
DETECTION LIMIT=1.672 DATE: 05/16/94 LARGEST RESP=.17 %RSD=132.5093 RT WINDOW:

CONC :	0.000	1.672	3.344	8.360	16.72	33.44	83.60
%T :	90	89	86	78	65	42	17
RESP :	0.0	0.0	0.02	0.06	0.14	0.33	0.72
CONC':	10100	10000	9680	8780	7320	4730	1910

CONC = 3.8939E-01+ 1.1257E+02*RESP+ *RESP**2- *RESP**3
95% C.I.= 1.9856E+00 6.4778E+00
CORRELATION COEFFICIENT = .9979

ESE BATCH G49240

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	FOUND
05/16/94	CCB*QC*1	95129*0	%T OF BASELINE			90
05/16/94	CCB*QC*1	95130*0	%T OF SAMPLE			90.0
05/16/94	CCB*QC*1	95167*0	DELTA ABSORBANCE		ABSORB	ND
05/16/94	CCB*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	0.39

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	CCV*QC*1	95129*0	%T OF BASELINE				T*1		80-120
05/16/94	CCV*QC*1	95130*0	%T OF SAMPLE				T*1		80-120
05/16/94	CCV*QC*1	95167*0	DELTA ABSORBANCE		ABSORB		T*1		80-120
05/16/94	CCV*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	33.4	40.0	120	76-122

Initial Calibration Blank Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	FOUND
05/16/94	ICB*QC*1	95129*0	%T OF BASELINE			90
05/16/94	ICB*QC*1	95130*0	%T OF SAMPLE			90.0
05/16/94	ICB*QC*1	95167*0	DELTA ABSORBANCE		ABSORB	ND
05/16/94	ICB*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	0.39

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	ICV*QC*1	95129*0	%T OF BASELINE				T*1		80-120
05/16/94	ICV*QC*1	95130*0	%T OF SAMPLE				T*1		80-120
05/16/94	ICV*QC*1	95167*0	DELTA ABSORBANCE		ABSORB		T*1		80-120
05/16/94	ICV*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	33.7	33.2	98.5	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER		UNITS	FOUND
05/16/94	MB*QC*1	95129*0	%T OF BASELINE			9
05/16/94	MB*QC*1	95130*0	%T OF SAMPLE			9.00
05/16/94	MB*QC*1	95167*0	DELTA ABSORBANCE		ABSORB	ND
05/16/94	MB*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	MG/L	0.04

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER		%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SP1*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	84.9	76-122	MG/L	4.25	3.61
05/16/94	SP2*QC*1	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	87.5	76-122	MG/L	4.25	3.72

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER		%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/16/94	SPM1*CDMHNSW*13	45501*418.1-G	HYDROCARBONS, PETRO	(TRPH)	78.8	76-122	4.21	MG/L	17.9	14.1

ESE BATCH : G49240

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49240 Analysis Date: 05/16/94 Analyst: DANIEL DUNCAN

	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		
CCV present?	X		
CCV within acceptance criteria?	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?			

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: KATHLEEN ALLEN 2819
PROB: SAMPLE MATRIX SPIKE DUP NOT PRESENT.
EXPL: NOT ENOUGH SAMPLE PROVIDED. / KKA 05-17-94

ESE BATCH : G49240

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

ICAP Metals

ESE BATCH : G48491
CLASSIFICATION : ICAP METALS - EPA 6010

QC TYPE : FDER/SW
ANALYST : GARRY PRICE
EXTRACTOR : DAVID NICHOLS
DATA ENTRY : ICAP UPLOAD

REPORT DATE/TIME : 05/24/94 14:56:38
ANALYSIS DATE : 04/27/94
EXTRACT DATE : 04/26/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*1	WA05-1-EB1	04/27/94	02:32PM

ESE BATCH : G48491

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 1077 METHOD: 6010-G SILVER,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 1007 METHOD: 6010-G BARIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 1027 METHOD: 6010-G CADMIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 1034 METHOD: 6010-G CHROMIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 1051 METHOD: 6010-G LEAD,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=50 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48491

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/27/94	CCB*QC*1	1077*6010-G	SILVER, TOTAL	UG/L	2.8
04/27/94	CCB*QC*1	1007*6010-G	BARIUM, TOTAL	UG/L	ND
04/27/94	CCB*QC*1	1027*6010-G	CADMIUM, TOTAL	UG/L	ND
04/27/94	CCB*QC*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	1.2
04/27/94	CCB*QC*1	1051*6010-G	LEAD, TOTAL	UG/L	10.6

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/27/94	CCV*STD4*1	1077*6010-G	SILVER, TOTAL	UG/L	1000	973	97.3	80-120
04/27/94	CCV*STD4*1	1007*6010-G	BARIUM, TOTAL	UG/L		ND		90-110
04/27/94	CCV*STD4*1	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		90-110
04/27/94	CCV*STD4*1	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		90-110
04/27/94	CCV*STD4*1	1051*6010-G	LEAD, TOTAL	UG/L		ND		90-110
04/27/94	CCV*STD2*1	1077*6010-G	SILVER, TOTAL	UG/L		ND		80-120
04/27/94	CCV*STD2*1	1007*6010-G	BARIUM, TOTAL	UG/L	1000	991	99.1	90-110
04/27/94	CCV*STD2*1	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	1000	100.0	90-110
04/27/94	CCV*STD2*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	1000	990	99.0	90-110
04/27/94	CCV*STD2*1	1051*6010-G	LEAD, TOTAL	UG/L	1000	972	97.2	90-110
04/27/94	CCV*QC*1	1077*6010-G	SILVER, TOTAL	UG/L	500	507	101	80-120
04/27/94	CCV*QC*1	1007*6010-G	BARIUM, TOTAL	UG/L	500	491	98.2	90-110
04/27/94	CCV*QC*1	1027*6010-G	CADMIUM, TOTAL	UG/L	500	486	97.2	90-110
04/27/94	CCV*QC*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	500	492	98.4	90-110
04/27/94	CCV*QC*1	1051*6010-G	LEAD, TOTAL	UG/L	500	476	95.2	90-110

Interference Check Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/27/94	ICS*A*1	1077*6010-G	SILVER, TOTAL	UG/L		ND		80-120
04/27/94	ICS*A*1	1007*6010-G	BARIUM, TOTAL	UG/L		ND		80-120
04/27/94	ICS*A*1	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		80-120
04/27/94	ICS*A*1	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		80-120
04/27/94	ICS*A*1	1051*6010-G	LEAD, TOTAL	UG/L		ND		80-120
04/27/94	ICS*AB*1	1077*6010-G	SILVER, TOTAL	UG/L	1000	975	97.5	80-120
04/27/94	ICS*AB*1	1007*6010-G	BARIUM, TOTAL	UG/L	500	483	96.6	80-120
04/27/94	ICS*AB*1	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	967	96.7	80-120
04/27/94	ICS*AB*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	500	457	91.4	80-120
04/27/94	ICS*AB*1	1051*6010-G	LEAD, TOTAL	UG/L	1000	890	89.0	80-120
04/27/94	ICS*A*2	1077*6010-G	SILVER, TOTAL	UG/L		ND		80-120
04/27/94	ICS*A*2	1007*6010-G	BARIUM, TOTAL	UG/L		ND		80-120
04/27/94	ICS*A*2	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		80-120
04/27/94	ICS*A*2	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		80-120
04/27/94	ICS*A*2	1051*6010-G	LEAD, TOTAL	UG/L		ND		80-120
04/27/94	ICS*AB*2	1077*6010-G	SILVER, TOTAL	UG/L	1000	987	98.7	80-120
04/27/94	ICS*AB*2	1007*6010-G	BARIUM, TOTAL	UG/L	500	480	96.0	80-120
04/27/94	ICS*AB*2	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	927	92.7	80-120
04/27/94	ICS*AB*2	1034*6010-G	CHROMIUM, TOTAL	UG/L	500	456	91.2	80-120
04/27/94	ICS*AB*2	1051*6010-G	LEAD, TOTAL	UG/L	1000	895	89.5	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/27/94	ICV*ICAP19*1	1077*6010-G	SILVER, TOTAL	UG/L		ND		90-110
04/27/94	ICV*ICAP19*1	1007*6010-G	BARIUM, TOTAL	UG/L		ND		90-110
04/27/94	ICV*ICAP19*1	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	1010	101	90-110
04/27/94	ICV*ICAP19*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	1000	998	99.8	90-110
04/27/94	ICV*ICAP19*1	1051*6010-G	LEAD, TOTAL	UG/L	1000	974	97.4	90-110
04/27/94	ICV*ICAP7*1	1077*6010-G	SILVER, TOTAL	UG/L	1000	1010	101	90-110
04/27/94	ICV*ICAP7*1	1007*6010-G	BARIUM, TOTAL	UG/L	1000	990	99.0	90-110
04/27/94	ICV*ICAP7*1	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		90-110
04/27/94	ICV*ICAP7*1	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		90-110
04/27/94	ICV*ICAP7*1	1051*6010-G	LEAD, TOTAL	UG/L		ND		90-110

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/27/94	MB*QC*1	1077*6010-G	SILVER, TOTAL	UG/L	ND
04/27/94	MB*QC*1	1007*6010-G	BARIUM, TOTAL	UG/L	ND
04/27/94	MB*QC*1	1027*6010-G	CADMIUM, TOTAL	UG/L	ND
04/27/94	MB*QC*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	ND
04/27/94	MB*QC*1	1051*6010-G	LEAD, TOTAL	UG/L	ND

ESE BATCH : G48491

Serial Dilution Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	REP #1	REP #2	RPD	RPD CRIT

Serial Dilution Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	REP #1	REP #2	RPD	RPD CRIT
04/27/94	SD*CDMHNSW*1	1077*6010-G	SILVER, TOTAL	UG/L	0.0	3.6	NC	10
04/27/94	SD*CDMHNSW*1	1007*6010-G	BARIUM, TOTAL	UG/L	0.0	ND	NC	10
04/27/94	SD*CDMHNSW*1	1027*6010-G	CADMIUM, TOTAL	UG/L	0.0	ND	NC	10
04/27/94	SD*CDMHNSW*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	0.0	2.5	NC	10
04/27/94	SD*CDMHNSW*1	1051*6010-G	LEAD, TOTAL	UG/L	0.0	20.0	NC	10

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/27/94	SP*QC*1	1077*6010-G	SILVER, TOTAL	106.8	73-107	UG/L	50.0	53.4
04/27/94	SP*QC*1	1007*6010-G	BARIUM, TOTAL	99.5	86-106	UG/L	2000	1990
04/27/94	SP*QC*1	1027*6010-G	CADMIUM, TOTAL	106.2	80-108	UG/L	50.0	53.1
04/27/94	SP*QC*1	1034*6010-G	CHROMIUM, TOTAL	101.0	79-109	UG/L	200	202
04/27/94	SP*QC*1	1051*6010-G	LEAD, TOTAL	98.2	79-109	UG/L	500	491

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/27/94	SPM1*CDMHNSW*1	1077*6010-G	SILVER, TOTAL	102.0	73-107	0.0	UG/L	50.0	51.0
04/27/94	SPM1*CDMHNSW*1	1007*6010-G	BARIUM, TOTAL	96.0	86-106	0.0	UG/L	2000	1920
04/27/94	SPM1*CDMHNSW*1	1027*6010-G	CADMIUM, TOTAL	99.8	80-108	0.0	UG/L	50.0	49.9
04/27/94	SPM1*CDMHNSW*1	1034*6010-G	CHROMIUM, TOTAL	96.5	79-109	0.0	UG/L	200	193
04/27/94	SPM1*CDMHNSW*1	1051*6010-G	LEAD, TOTAL	96.2	79-109	0.0	UG/L	500	481
04/27/94	SPM2*CDMHNSW*1	1077*6010-G	SILVER, TOTAL	98.6	73-107	0.0	UG/L	50.0	49.3
04/27/94	SPM2*CDMHNSW*1	1007*6010-G	BARIUM, TOTAL	95.5	86-106	0.0	UG/L	2000	1910
04/27/94	SPM2*CDMHNSW*1	1027*6010-G	CADMIUM, TOTAL	101.8	80-108	0.0	UG/L	50.0	50.9
04/27/94	SPM2*CDMHNSW*1	1034*6010-G	CHROMIUM, TOTAL	96.5	79-109	0.0	UG/L	200	193
04/27/94	SPM2*CDMHNSW*1	1051*6010-G	LEAD, TOTAL	95.2	79-109	0.0	UG/L	500	476

Spike into Matrix Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/27/94	SPX*CDMHNSW*1	1077*6010-G	SILVER, TOTAL	103.2	85-115	UG/L	500	516
04/27/94	SPX*CDMHNSW*1	1007*6010-G	BARIUM, TOTAL	98.0	85-115	UG/L	500	490
04/27/94	SPX*CDMHNSW*1	1027*6010-G	CADMIUM, TOTAL	100.2	85-115	UG/L	500	501
04/27/94	SPX*CDMHNSW*1	1034*6010-G	CHROMIUM, TOTAL	99.6	85-115	UG/L	500	498
04/27/94	SPX*CDMHNSW*1	1051*6010-G	LEAD, TOTAL	100.2	85-115	UG/L	500	501

ESE BATCH : G48491

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48491 Analysis Date: 04/17/91 Analyst: GARRY PRICE

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICS present?	X		
ICS within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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		
Analytical spike present?	X		
Analytical spike within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G48491

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 : G49069
CLASSIFICATION : ICAP METALS - EPA 601(

QC TYPE : FDER/SW
ANALYST : ELIZABETH CREARY
EXTRACTOR : DAVID NICHOLS
DATA ENTRY : ICAP UPLOAD

REPORT DATE/TIME : 05/24/94 14:57:11
ANALYSIS DATE : 05/11/94
EXTRACT DATE : 05/11/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*11	WSV2-1-EB2	05/11/94	03:14PM

ESE BATCH : G49069

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 1077 METHOD: 6010-G SILVER,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 1007 METHOD: 6010-G BARIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 1027 METHOD: 6010-G CADMIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 1034 METHOD: 6010-G CHROMIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 1051 METHOD: 6010-G LEAD,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=50 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49069

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/11/94	CCB*QC*1	1077*6010-G	SILVER, TOTAL	UG/L	ND
05/11/94	CCB*QC*1	1007*6010-G	BARIUM, TOTAL	UG/L	0.3
05/11/94	CCB*QC*1	1027*6010-G	CADMIUM, TOTAL	UG/L	0.02
05/11/94	CCB*QC*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	0.3
05/11/94	CCB*QC*1	1051*6010-G	LEAD, TOTAL	UG/L	ND

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/11/94	CCV*STD4*1	1077*6010-G	SILVER, TOTAL	UG/L	1000	1000	100.0	80-120
05/11/94	CCV*STD4*1	1007*6010-G	BARIUM, TOTAL	UG/L		ND		90-110
05/11/94	CCV*STD4*1	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		90-110
05/11/94	CCV*STD4*1	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		90-110
05/11/94	CCV*STD4*1	1051*6010-G	LEAD, TOTAL	UG/L		ND		90-110
05/11/94	CCV*STD2*1	1077*6010-G	SILVER, TOTAL	UG/L		ND		80-120
05/11/94	CCV*STD2*1	1007*6010-G	BARIUM, TOTAL	UG/L	1000	1020	102	90-110
05/11/94	CCV*STD2*1	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	1010	101	90-110
05/11/94	CCV*STD2*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	1000	1010	101	90-110
05/11/94	CCV*STD2*1	1051*6010-G	LEAD, TOTAL	UG/L	1000	1030	103	90-110
05/11/94	CCV*QC*1	1077*6010-G	SILVER, TOTAL	UG/L	500	530	106	80-120
05/11/94	CCV*QC*1	1007*6010-G	BARIUM, TOTAL	UG/L	500	514	103	90-110
05/11/94	CCV*QC*1	1027*6010-G	CADMIUM, TOTAL	UG/L	500	510	102	90-110
05/11/94	CCV*QC*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	500	514	103	90-110
05/11/94	CCV*QC*1	1051*6010-G	LEAD, TOTAL	UG/L	500	525	105	90-110

Interference Check Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/11/94	ICS*A*1	1077*6010-G	SILVER, TOTAL	UG/L		ND		80-120
05/11/94	ICS*A*1	1007*6010-G	BARIUM, TOTAL	UG/L		ND		80-120
05/11/94	ICS*A*1	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		80-120
05/11/94	ICS*A*1	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		80-120
05/11/94	ICS*A*1	1051*6010-G	LEAD, TOTAL	UG/L		ND		80-120
05/11/94	ICS*AB*1	1077*6010-G	SILVER, TOTAL	UG/L	1000	1020	102	80-120
05/11/94	ICS*AB*1	1007*6010-G	BARIUM, TOTAL	UG/L	500	494	98.8	80-120
05/11/94	ICS*AB*1	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	968	96.8	80-120
05/11/94	ICS*AB*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	500	471	94.2	80-120
05/11/94	ICS*AB*1	1051*6010-G	LEAD, TOTAL	UG/L	1000	978	97.8	80-120
05/11/94	ICS*A*2	1077*6010-G	SILVER, TOTAL	UG/L		ND		80-120
05/11/94	ICS*A*2	1007*6010-G	BARIUM, TOTAL	UG/L		ND		80-120
05/11/94	ICS*A*2	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		80-120
05/11/94	ICS*A*2	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		80-120
05/11/94	ICS*A*2	1051*6010-G	LEAD, TOTAL	UG/L		ND		80-120
05/11/94	ICS*AB*2	1077*6010-G	SILVER, TOTAL	UG/L	1000	1030	103	80-120
05/11/94	ICS*AB*2	1007*6010-G	BARIUM, TOTAL	UG/L	500	498	99.6	80-120
05/11/94	ICS*AB*2	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	985	98.5	80-120
05/11/94	ICS*AB*2	1034*6010-G	CHROMIUM, TOTAL	UG/L	500	479	95.8	80-120
05/11/94	ICS*AB*2	1051*6010-G	LEAD, TOTAL	UG/L	1000	991	99.1	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/11/94	ICV*ICAP19*1	1077*6010-G	SILVER, TOTAL	UG/L		ND		90-110
05/11/94	ICV*ICAP19*1	1007*6010-G	BARIUM, TOTAL	UG/L		ND		90-110
05/11/94	ICV*ICAP19*1	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	1010	101	90-110
05/11/94	ICV*ICAP19*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	1000	1020	102	90-110
05/11/94	ICV*ICAP19*1	1051*6010-G	LEAD, TOTAL	UG/L	1000	1020	102	90-110
05/11/94	ICV*ICAP7*1	1077*6010-G	SILVER, TOTAL	UG/L	1000	1060	106	90-110
05/11/94	ICV*ICAP7*1	1007*6010-G	BARIUM, TOTAL	UG/L	1000	1010	101	90-110
05/11/94	ICV*ICAP7*1	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		90-110
05/11/94	ICV*ICAP7*1	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		90-110
05/11/94	ICV*ICAP7*1	1051*6010-G	LEAD, TOTAL	UG/L		ND		90-110

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/11/94	MB*QC*1	1077*6010-G	SILVER, TOTAL	UG/L	ND
05/11/94	MB*QC*1	1007*6010-G	BARIUM, TOTAL	UG/L	ND
05/11/94	MB*QC*1	1027*6010-G	CADMIUM, TOTAL	UG/L	ND
05/11/94	MB*QC*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	ND
05/11/94	MB*QC*1	1051*6010-G	LEAD, TOTAL	UG/L	ND

ESE BATCH : G49069

Serial Dilution Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	REP #1	REP #2	RPD	RPD CRIT

Serial Dilution Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	REP #1	REP #2	RPD	RPD CRIT
05/11/94	SD*CDMHNSW*11	1077*6010-G	SILVER, TOTAL	UG/L	0.0	ND	NC	10
05/11/94	SD*CDMHNSW*11	1007*6010-G	BARIUM, TOTAL	UG/L	0.0	ND	NC	10
05/11/94	SD*CDMHNSW*11	1027*6010-G	CADMIUM, TOTAL	UG/L	0.0	0.1	NC	10
05/11/94	SD*CDMHNSW*11	1034*6010-G	CHROMIUM, TOTAL	UG/L	0.0	ND	NC	10
05/11/94	SD*CDMHNSW*11	1051*6010-G	LEAD, TOTAL	UG/L	0.0	ND	NC	10

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/11/94	SP1*QC*1	1077*6010-G	SILVER, TOTAL	104.4	73-107	UG/L	50.0	52.2
05/11/94	SP1*QC*1	1007*6010-G	BARIUM, TOTAL	99.5	86-106	UG/L	2000	1990
05/11/94	SP1*QC*1	1027*6010-G	CADMIUM, TOTAL	101.0	80-108	UG/L	50.0	50.5
05/11/94	SP1*QC*1	1034*6010-G	CHROMIUM, TOTAL	98.0	79-109	UG/L	200	196
05/11/94	SP1*QC*1	1051*6010-G	LEAD, TOTAL	98.2	79-109	UG/L	500	491

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/11/94	SPM1*CDMHNSW*11	1077*6010-G	SILVER, TOTAL	105.2	73-107	0.0	UG/L	50.0	52.6
05/11/94	SPM1*CDMHNSW*11	1007*6010-G	BARIUM, TOTAL	100.5	86-106	0.0	UG/L	2000	2010
05/11/94	SPM1*CDMHNSW*11	1027*6010-G	CADMIUM, TOTAL	102.8	80-108	0.0	UG/L	50.0	51.4
05/11/94	SPM1*CDMHNSW*11	1034*6010-G	CHROMIUM, TOTAL	99.5	79-109	0.0	UG/L	200	199
05/11/94	SPM1*CDMHNSW*11	1051*6010-G	LEAD, TOTAL	104.8	79-109	0.0	UG/L	500	524
05/11/94	SPM2*CDMHNSW*11	1077*6010-G	SILVER, TOTAL	104.0	73-107	0.0	UG/L	50.0	52.0
05/11/94	SPM2*CDMHNSW*11	1007*6010-G	BARIUM, TOTAL	100.0	86-106	0.0	UG/L	2000	2000
05/11/94	SPM2*CDMHNSW*11	1027*6010-G	CADMIUM, TOTAL	102.8	80-108	0.0	UG/L	50.0	51.4
05/11/94	SPM2*CDMHNSW*11	1034*6010-G	CHROMIUM, TOTAL	98.5	79-109	0.0	UG/L	200	197
05/11/94	SPM2*CDMHNSW*11	1051*6010-G	LEAD, TOTAL	104.4	79-109	0.0	UG/L	500	522

Spike into Matrix Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/11/94	SPX*CDMHNSW*11	1077*6010-G	SILVER, TOTAL	109.4	85-115	UG/L	500	547
05/11/94	SPX*CDMHNSW*11	1007*6010-G	BARIUM, TOTAL	105.8	85-115	UG/L	500	529
05/11/94	SPX*CDMHNSW*11	1027*6010-G	CADMIUM, TOTAL	103.2	85-115	UG/L	500	516
05/11/94	SPX*CDMHNSW*11	1034*6010-G	CHROMIUM, TOTAL	104.6	85-115	UG/L	500	523
05/11/94	SPX*CDMHNSW*11	1051*6010-G	LEAD, TOTAL	107.2	85-115	UG/L	500	536

ESE BATCH : G49069

UNITS AND EXAMPLE CALCULATIONS

	UNITS ENTERED
FINAL CONCENTRATION	UG/L
INJECTION VOLUME	NA
SAMPLE VOLUME	NA
EXTRACT VOLUME	NA
CURVE CONCENTRATION	UG/ML
SPIKE SOLN CONCENTRATION	NA
SPIKE VOLUME	NA
SPIKE SAMPLE VOLUME	NA
TARGET CONCENTRATION	UG/L
RESPONSE DESCRIPTION	NA
CONVERSION FACTOR	1000

FINAL CONC = $\frac{\text{CURV CONC * EXT VOL * DIL * 1000}}{\text{INJ VOL * SAMP VOL * ((100 - \%MOISTURE) / 100)}}$

UG/L = $\frac{\text{(UG/ML) * (NA) * 1000}}{\text{(NA) * (NA)}}$

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

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

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

ESE BATCH : G49069

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49069 Analysis Date 05/11/94 Analyst: ELIZABETH CREARY

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICS present?	X		
ICS within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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		
Analytical spike present?	X		
Analytical spike within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49069

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 : G49164
CLASSIFICATION : ICAP METALS - EPA 6010

QC TYPE : FDER/SW
ANALYST : ELIZABETH CREARY
EXTRACTOR : DEBRA ZUCKERMAN
DATA ENTRY : ICAP UPLOAD

REPORT DATE/TIME : 05/24/94 14:57:47
ANALYSIS DATE : 05/16/94
EXTRACT DATE : 05/14/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*13	EWW1-1-00	05/16/94	11:52AM

ESE BATCH : G49164

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 1077 METHOD: 6010-G SILVER,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 1007 METHOD: 6010-G BARIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 1027 METHOD: 6010-G CADMIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 1034 METHOD: 6010-G CHROMIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 1051 METHOD: 6010-G LEAD,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=50 DATE: 05/16/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49164

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	CCB*QC*1	1077*6010-G	SILVER, TOTAL	UG/L	ND
05/16/94	CCB*QC*1	1007*6010-G	BARIUM, TOTAL	UG/L	0.5
05/16/94	CCB*QC*1	1027*6010-G	CADMIUM, TOTAL	UG/L	0.5
05/16/94	CCB*QC*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	0.8
05/16/94	CCB*QC*1	1051*6010-G	LEAD, TOTAL	UG/L	ND

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	CCV*STD4*1	1077*6010-G	SILVER, TOTAL	UG/L	1000	1000	100.0	80-120
05/16/94	CCV*STD4*1	1007*6010-G	BARIUM, TOTAL	UG/L		ND		90-110
05/16/94	CCV*STD4*1	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		90-110
05/16/94	CCV*STD4*1	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		90-110
05/16/94	CCV*STD4*1	1051*6010-G	LEAD, TOTAL	UG/L		ND		90-110
05/16/94	CCV*STD2*1	1077*6010-G	SILVER, TOTAL	UG/L		ND		80-120
05/16/94	CCV*STD2*1	1007*6010-G	BARIUM, TOTAL	UG/L	1000	1010	101	90-110
05/16/94	CCV*STD2*1	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	1000	100.0	90-110
05/16/94	CCV*STD2*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	1000	1010	101	90-110
05/16/94	CCV*STD2*1	1051*6010-G	LEAD, TOTAL	UG/L	1000	994	99.4	90-110
05/16/94	CCV*QC*1	1077*6010-G	SILVER, TOTAL	UG/L	500	521	104	80-120
05/16/94	CCV*QC*1	1007*6010-G	BARIUM, TOTAL	UG/L	500	530	106	90-110
05/16/94	CCV*QC*1	1027*6010-G	CADMIUM, TOTAL	UG/L	500	508	102	90-110
05/16/94	CCV*QC*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	500	525	105	90-110
05/16/94	CCV*QC*1	1051*6010-G	LEAD, TOTAL	UG/L	500	499	99.8	90-110

Interference Check Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	ICS*A*1	1077*6010-G	SILVER, TOTAL	UG/L		ND		80-120
05/16/94	ICS*A*1	1007*6010-G	BARIUM, TOTAL	UG/L		ND		80-120
05/16/94	ICS*A*1	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		80-120
05/16/94	ICS*A*1	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		80-120
05/16/94	ICS*A*1	1051*6010-G	LEAD, TOTAL	UG/L		ND		80-120
05/16/94	ICS*AB*1	1077*6010-G	SILVER, TOTAL	UG/L	1000	976	97.6	80-120
05/16/94	ICS*AB*1	1007*6010-G	BARIUM, TOTAL	UG/L	500	500	100.0	80-120
05/16/94	ICS*AB*1	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	952	95.2	80-120
05/16/94	ICS*AB*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	500	470	94.0	80-120
05/16/94	ICS*AB*1	1051*6010-G	LEAD, TOTAL	UG/L	1000	889	88.9	80-120
05/16/94	ICS*A*2	1077*6010-G	SILVER, TOTAL	UG/L		ND		80-120
05/16/94	ICS*A*2	1007*6010-G	BARIUM, TOTAL	UG/L		ND		80-120
05/16/94	ICS*A*2	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		80-120
05/16/94	ICS*A*2	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		80-120
05/16/94	ICS*A*2	1051*6010-G	LEAD, TOTAL	UG/L		ND		80-120
05/16/94	ICS*AB*2	1077*6010-G	SILVER, TOTAL	UG/L	1000	1010	101	80-120
05/16/94	ICS*AB*2	1007*6010-G	BARIUM, TOTAL	UG/L	500	516	103	80-120
05/16/94	ICS*AB*2	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	987	98.7	80-120
05/16/94	ICS*AB*2	1034*6010-G	CHROMIUM, TOTAL	UG/L	500	490	98.0	80-120
05/16/94	ICS*AB*2	1051*6010-G	LEAD, TOTAL	UG/L	1000	938	93.8	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	ICV*ICAP19*1	1077*6010-G	SILVER, TOTAL	UG/L		ND		90-110
05/16/94	ICV*ICAP19*1	1007*6010-G	BARIUM, TOTAL	UG/L		ND		90-110
05/16/94	ICV*ICAP19*1	1027*6010-G	CADMIUM, TOTAL	UG/L	1000	988	98.8	90-110
05/16/94	ICV*ICAP19*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	1000	1010	101	90-110
05/16/94	ICV*ICAP19*1	1051*6010-G	LEAD, TOTAL	UG/L	1000	984	98.4	90-110
05/16/94	ICV*ICAP7*1	1077*6010-G	SILVER, TOTAL	UG/L	1000	1000	100.0	90-110
05/16/94	ICV*ICAP7*1	1007*6010-G	BARIUM, TOTAL	UG/L	1000	1000	100.0	90-110
05/16/94	ICV*ICAP7*1	1027*6010-G	CADMIUM, TOTAL	UG/L		ND		90-110
05/16/94	ICV*ICAP7*1	1034*6010-G	CHROMIUM, TOTAL	UG/L		ND		90-110
05/16/94	ICV*ICAP7*1	1051*6010-G	LEAD TOTAL	UG/L		ND		90-110

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	MB*QC*1	1077*6010-G	SILVER, TOTAL	UG/L	ND
05/16/94	MB*QC*1	1007*6010-G	BARIUM, TOTAL	UG/L	ND
05/16/94	MB*QC*1	1027*6010-G	CADMIUM, TOTAL	UG/L	ND
05/16/94	MB*QC*1	1034*6010-G	CHROMIUM, TOTAL	UG/L	ND
05/16/94	MB*QC*1	1051*6010-G	LEAD, TOTAL	UG/L	ND

ESE BATCH : G49164

Serial Dilution Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	REP #1	REP #2	RPD	RPD CRIT

Serial Dilution Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	REP #1	REP #2	RPD	RPD CRIT
05/16/94	SD*CDMHNSW*13	1077*6010-G	SILVER, TOTAL	UG/L	0.0	ND	NC	10
05/16/94	SD*CDMHNSW*13	1007*6010-G	BARIUM, TOTAL	UG/L	87.2	92.5	NC	10
05/16/94	SD*CDMHNSW*13	1027*6010-G	CADMIUM, TOTAL	UG/L	0.0	ND	NC	10
05/16/94	SD*CDMHNSW*13	1034*6010-G	CHROMIUM, TOTAL	UG/L	19.5	25.0	NC	10
05/16/94	SD*CDMHNSW*13	1051*6010-G	LEAD, TOTAL	UG/L	0.0	ND	NC	10

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SP1*QC*1	1077*6010-G	SILVER, TOTAL	98.8	73-107	UG/L	50.0	49.4
05/16/94	SP1*QC*1	1007*6010-G	BARIUM, TOTAL	98.0	86-106	UG/L	2000	1960
05/16/94	SP1*QC*1	1027*6010-G	CADMIUM, TOTAL	98.0	80-108	UG/L	50.0	49.0
05/16/94	SP1*QC*1	1034*6010-G	CHROMIUM, TOTAL	96.5	79-109	UG/L	200	193
05/16/94	SP1*QC*1	1051*6010-G	LEAD, TOTAL	94.0	79-109	UG/L	500	470

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/16/94	SPM1*CDMHNSW*13	1077*6010-G	SILVER, TOTAL	95.0	73-107	0.0	UG/L	50.0	47.5
05/16/94	SPM1*CDMHNSW*13	1007*6010-G	BARIUM, TOTAL	92.5	86-106	87.2	UG/L	2000	1850
05/16/94	SPM1*CDMHNSW*13	1027*6010-G	CADMIUM, TOTAL	94.4	80-108	0.0	UG/L	50.0	47.2
05/16/94	SPM1*CDMHNSW*13	1034*6010-G	CHROMIUM, TOTAL	91.5	79-109	19.5	UG/L	200	183
05/16/94	SPM1*CDMHNSW*13	1051*6010-G	LEAD, TOTAL	90.4	79-109	0.0	UG/L	500	452
05/16/94	SPM2*CDMHNSW*13	1077*6010-G	SILVER, TOTAL	95.0	73-107	0.0	UG/L	50.0	47.5
05/16/94	SPM2*CDMHNSW*13	1007*6010-G	BARIUM, TOTAL	96.0	86-106	87.2	UG/L	2000	1920
05/16/94	SPM2*CDMHNSW*13	1027*6010-G	CADMIUM, TOTAL	98.8	80-108	0.0	UG/L	50.0	49.4
05/16/94	SPM2*CDMHNSW*13	1034*6010-G	CHROMIUM, TOTAL	93.5	79-109	19.5	UG/L	200	187
05/16/94	SPM2*CDMHNSW*13	1051*6010-G	LEAD, TOTAL	92.2	79-109	0.0	UG/L	500	461

Spike into Matrix Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SPX*CDMHNSW*13	1077*6010-G	SILVER, TOTAL	95.0	85-115	UG/L	500	475
05/16/94	SPX*CDMHNSW*13	1007*6010-G	BARIUM, TOTAL	98.4	85-115	UG/L	500	492
05/16/94	SPX*CDMHNSW*13	1027*6010-G	CADMIUM, TOTAL	93.4	85-115	UG/L	500	467
05/16/94	SPX*CDMHNSW*13	1034*6010-G	CHROMIUM, TOTAL	96.0	85-115	UG/L	500	480
05/16/94	SPX*CDMHNSW*13	1051*6010-G	LEAD, TOTAL	92.6	85-115	UG/L	500	463

ESE BATCH : G49164

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49164 Analysis Date: 05/16/94 Analyst: ELIZABETH CREARY

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICS present?	X		
ICS within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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		
Analytical spike present?	X		
Analytical spike within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49164

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

GFAA Metals - Arsenic

ESE BATCH : G48511
CLASSIFICATION : ARSENIC-EPA 206.2

QC TYPE : FDER/SW
ANALYST : LISA SWAYZE
EXTRACTOR : DAVID NICHOLS
DATA ENTRY : LISA SWAYZE

REPORT DATE/TIME : 05/24/94 14:58:20
ANALYSIS DATE : 04/27/94
EXTRACT DATE : 04/26/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*1	WA05-1-EB1	04/27/94	01:41PM

ESE BATCH : G48511

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 1002 METHOD: 206.2-G ARSENIC,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/27/94 LARGEST RESP=0.451 %RSD= RT WINDOW:

CONC :	0.0	2.5	5.0	10.0	25.0	50.0	100.0
RESP :	0.001	0.011	0.028	0.047	0.126	0.249	0.451
CONC':							

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

STORET: 1002 METHOD: 7060-G ARSENIC,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 04/26/94 LARGEST RESP=.451 %RSD= RT WINDOW:

CONC :	0	2.5	5	10	25	50	100
RESP :	.001	.011	.028	.047	.126	.249	.451
CONC':							

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

ESE BATCH : G48511

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/27/94	CCB*QC*1	1002*206.2-G	ARSENIC, TOTAL	UG/L	0.2
04/27/94	CCB*QC*1	1002*7060-G	ARSENIC, TOTAL	UG/L	0.2
04/27/94	CCB*QC*2	1002*206.2-G	ARSENIC, TOTAL	UG/L	0.5
04/27/94	CCB*QC*2	1002*7060-G	ARSENIC, TOTAL	UG/L	0.5
04/27/94	CCB*QC*3	1002*206.2-G	ARSENIC, TOTAL	UG/L	0.3
04/27/94	CCB*QC*3	1002*7060-G	ARSENIC, TOTAL	UG/L	0.3

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/27/94	CCV*QC*1	1002*206.2-G	ARSENIC, TOTAL	UG/L	50.0	47.6	95.2	80-120
04/27/94	CCV*QC*1	1002*7060-G	ARSENIC, TOTAL	UG/L	50.0	47.6	95.2	80-120
04/27/94	CCV*QC*2	1002*206.2-G	ARSENIC, TOTAL	UG/L	50.0	47.4	94.8	80-120
04/27/94	CCV*QC*2	1002*7060-G	ARSENIC, TOTAL	UG/L	50.0	47.4	94.8	80-120
04/27/94	CCV*QC*3	1002*206.2-G	ARSENIC, TOTAL	UG/L	50.0	48.8	97.6	80-120
04/27/94	CCV*QC*3	1002*7060-G	ARSENIC, TOTAL	UG/L	50.0	48.8	97.6	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/26/94	ICV*SPEX*1	1002*206.2-G	ARSENIC, TOTAL	UG/L	50.0	45.1	90.2	90-110
04/26/94	ICV*SPEX*1	1002*7060-G	ARSENIC, TOTAL	UG/L	50.0	45.1	90.2	90-110

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/26/94	MB*QC*1	1002*206.2-G	ARSENIC, TOTAL	UG/L	ND
04/26/94	MB*QC*1	1002*7060-G	ARSENIC, TOTAL	UG/L	ND
04/27/94	MB*QC*2	1002*206.2-G	ARSENIC, TOTAL	UG/L	ND
04/27/94	MB*QC*2	1002*7060-G	ARSENIC, TOTAL	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/26/94	SP1*QC*1	1002*206.2-G	ARSENIC, TOTAL	87.8	75-117	UG/L	40.0	35.1
04/26/94	SP1*QC*1	1002*7060-G	ARSENIC, TOTAL		75-117	UG/L		ND
04/27/94	SP2*QC*1	1002*206.2-G	ARSENIC, TOTAL	88.0	75-117	UG/L	40.0	35.2
04/27/94	SP2*QC*1	1002*7060-G	ARSENIC, TOTAL		75-117	UG/L		ND
04/27/94	SP1*QC*2	1002*206.2-G	ARSENIC, TOTAL		75-117	UG/L		ND
04/27/94	SP1*QC*2	1002*7060-G	ARSENIC, TOTAL	87.3	75-117	UG/L	40.0	34.9

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/27/94	SPM1*MK1043*1	1002*206.2-G	ARSENIC, TOTAL	89.3	75-117	0.0	UG/L	40.0	35.7
04/27/94	SPM1*MK1043*1	1002*7060-G	ARSENIC, TOTAL		75-117	0.0	UG/L		ND
04/27/94	SPM2*MK1043*1	1002*206.2-G	ARSENIC, TOTAL	90.0	75-117	0.0	UG/L	40.0	36.0
04/27/94	SPM2*MK1043*1	1002*7060-G	ARSENIC, TOTAL		75-117	0.0	UG/L		ND
04/27/94	SPM1*CDMHNSW*1	1002*206.2-G	ARSENIC, TOTAL		75-117	0.0	UG/L		ND
04/27/94	SPM1*CDMHNSW*1	1002*7060-G	ARSENIC, TOTAL	83.0	75-117	1.9	UG/L	40.0	33.2
04/27/94	SPM2*CDMHNSW*1	1002*206.2-G	ARSENIC, TOTAL		75-117	0.0	UG/L		ND
04/27/94	SPM2*CDMHNSW*1	1002*7060-G	ARSENIC, TOTAL	82.5	75-117	1.9	UG/L	40.0	33.0

Spike into Matrix Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/27/94	SPX*MK1043*1	1002*206.2-G	ARSENIC, TOTAL	104.0	85-115	UG/L	100.0	104
04/27/94	SPX*MK1043*1	1002*7060-G	ARSENIC, TOTAL		85-115	UG/L		ND
04/27/94	SPX*CDMHNSW*1	1002*206.2-G	ARSENIC, TOTAL		85-115	UG/L		ND
04/27/94	SPX*CDMHNSW*1	1002*7060-G	ARSENIC, TOTAL	92.5	85-115	UG/L	100.0	92.5

ESE BATCH : G48511

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48511 Analysis Date: 04/27/94 Analyst: LISA SWAYZE

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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		
Analytical spike present?	X		
Analytical spike within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G48511

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 : G49080
CLASSIFICATION : ARSENIC - EPA 7060

QC TYPE : FDER/SW
ANALYST : CHRISTOPHER HORRELL
EXTRACTOR : DAVID NICHOLS
DATA ENTRY : CHRISTOPHER HORRELL

REPORT DATE/TIME : 05/24/94 14:58:39
ANALYSIS DATE : 05/11/94
EXTRACT DATE : 05/11/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*11	WSV2-1-EB2	05/11/94	07:16PM

ESE BATCH : G49080

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 1002 METHOD: 7060-G ARSENIC,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/11/94 LARGEST RESP= %RSD= RT WINDOW:

CONC :	0	2.5	5	10	25	50	100
RESP :	0	.013	.03	.054	.151	.255	.488
CONC':							

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

ESE BATCH : G49080

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/11/94	CCB*QC*1	1002*7060-G	ARSENIC, TOTAL	UG/L	ND

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/11/94	CCV*QC*1	1002*7060-G	ARSENIC, TOTAL	UG/L	50.0	47.1	94.2	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/11/94	ICV*PE-PURE*1	1002*7060-G	ARSENIC, TOTAL	UG/L	50.0	45.8	91.6	90-110

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/11/94	MB*QC*1	1002*7060-G	ARSENIC, TOTAL	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/11/94	SP*QC*1	1002*7060-G	ARSENIC, TOTAL	88.3	75-117	UG/L	40.0	35.3

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/11/94	SPM1*CDMHNSW*11	1002*7060-G	ARSENIC, TOTAL	89.5	75-117	0.0	UG/L	40.0	35.8
05/11/94	SPM2*CDMHNSW*11	1002*7060-G	ARSENIC, TOTAL	87.8	75-117	0.0	UG/L	40.0	35.1

Spike into Matrix Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/11/94	SPX*CDMHNSW*11	1002*7060-G	ARSENIC, TOTAL	92.0	85-115	UG/L	100.0	92.0

ESE BATCH : G49080

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49080 Analysis Date: 05/11/94 Analyst: CHRISTOPHER HORRELL

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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		
Analytical spike present?	X		
Analytical spike within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49080

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 : G49193
CLASSIFICATION : ARSENIC - EPA 7060

QC TYPE : FDER/SW
ANALYST : LISA SWAYZE
EXTRACTOR : DEBRA ZUCKERMAN
DATA ENTRY : LISA SWAYZE

REPORT DATE/TIME : 05/24/94 14:58:48
ANALYSIS DATE : 05/16/94
EXTRACT DATE : 05/14/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*13	EWW1-1-00	05/16/94	

ESE BATCH : G49193

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 1002 METHOD: 7060-G ARSENIC,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/16/94 LARGEST RESP=0.459 %RSD= RT WINDOW:

CONC :	0.0	2.5	5.0	10.0	25.0	50.0	100.0
RESP :	0.001	0.019	0.033	0.057	0.141	0.255	0.459
CONC':							

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

ESE BATCH G49193

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	CCB*QC*3	1002*7060-G	ARSENIC, TOTAL	UG/L	ND
05/16/94	CCB*QC*4	1002*7060-G	ARSENIC, TOTAL	UG/L	ND

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	CCV*QC*3	1002*7060-G	ARSENIC, TOTAL	UG/L	50.0	46.3	92.6	80-120
05/16/94	CCV*QC*4	1002*7060-G	ARSENIC, TOTAL	UG/L	50.0	46.8	93.6	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	ICV*PE-PURE*1	1002*7060-G	ARSENIC, TOTAL	UG/L	50.0	45.3	90.6	90-110

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	MB*QC*2	1002*7060-G	ARSENIC, TOTAL	UG/L	ND

Standard Addition (SA) Sample Summary

DATE	SAMPLE	STORET	PARAMETER	KNOWN CNC	RESP	UNC CNC	FINAL CNC	CORR
05/16/94	SA0*CDMHNSW*13	1002*7060-G	ARSENIC, TOTAL	0.0	0.011	3.9	3.9	.9955
05/16/94	SA1*CDMHNSW*13	1002*7060-G	ARSENIC, TOTAL	20.0	0.065			
05/16/94	SA2*CDMHNSW*13	1002*7060-G	ARSENIC, TOTAL	40.0	0.135			
05/16/94	SA3*CDMHNSW*13	1002*7060-G	ARSENIC, TOTAL	60.0	0.176			

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SP*QC*2	1002*7060-G	ARSENIC, TOTAL	78.8	75-117	UG/L	40.0	31.5

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/16/94	SPM1*CDMHNSW*13	1002*7060-G	ARSENIC, TOTAL	40.0	75-117	3.9	UG/L	40.0	16.0
05/16/94	SPM2*CDMHNSW*13	1002*7060-G	ARSENIC, TOTAL	39.5	75-117	3.9	UG/L	40.0	15.8

Spike into Matrix Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SPX*CDMHNSW*13	1002*7060-G	ARSENIC, TOTAL	68.8	85-115	UG/L	100.0	68.8

ESE BATCH : G49193

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49193 Analysis Date: 05/16/94 Analyst: LISA SWARTZE

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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	AS
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	AS
Analytical spike present?	X		
Analytical spike within acceptance criteria?		X	AS

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: KATHY BARRY 1708
PROB: SAMPLE MATRIX SPIKE AND MATRIX SPIKE DUP
NOT WITHIN ACCEPTANCE CRITERIA.
EXPL: POSSIBLE MATRIX INTERFERENCE.
PROB: ANALYTICAL SPIKE NOT PRESENT.
EXPL: <90% RECOVERY. MSA REQUIRED. / LMS 05-17-94

ESE BATCH : G49193

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

GFAA Metals - Selenium

ESE BATCH : G48512
CLASSIFICATION : SELENIUM - EPA 270.2

QC TYPE : FDER/SW
ANALYST : KEITH GEISZLER
EXTRACTOR : DAVID NICHOLS
DATA ENTRY : GFAA UPLOAD

REPORT DATE/TIME : 05/24/94 14:59:29
ANALYSIS DATE : 04/27/94
EXTRACT DATE : 04/26/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*1	WA05-1-EB1	04/27/94	03:19PM

ESE BATCH : G48512

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 1147 METHOD: 270.2-G SELENIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/27/94 LARGEST RESP=.418 %RSD= RT WINDOW:

CONC :	0	2.5	5	10	25	50	100
RESP :	002	.014	.026	.048	.113	.22[illegible]	.42
CONC':							

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

STORET: 1147 METHOD: 7740-G SELENIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW

ESE BATCH : G48512

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/27/94	CCB*QC*1	1147*270.2-G	SELENIUM, TOTAL	UG/L	ND
04/27/94	CCB*QC*1	1147*7740-G	SELENIUM, TOTAL	UG/L	ND
04/27/94	CCB*QC*2	1147*270.2-G	SELENIUM, TOTAL	UG/L	ND
04/27/94	CCB*QC*2	1147*7740-G	SELENIUM, TOTAL	UG/L	ND
04/27/94	CCB*QC*3	1147*270.2-G	SELENIUM, TOTAL	UG/L	ND
04/27/94	CCB*QC*3	1147*7740-G	SELENIUM, TOTAL	UG/L	ND
04/27/94	CCB*QC*4	1147*270.2-G	SELENIUM, TOTAL	UG/L	ND
04/27/94	CCB*QC*4	1147*7740-G	SELENIUM, TOTAL	UG/L	ND

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/27/94	CCV*QC*1	1147*270.2-G	SELENIUM, TOTAL	UG/L	50.0	45.9	91.8	80-120
04/27/94	CCV*QC*1	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	45.9	91.8	80-120
04/27/94	CCV*QC*2	1147*270.2-G	SELENIUM, TOTAL	UG/L	50.0	47.3	94.6	80-120
04/27/94	CCV*QC*2	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	47.3	94.6	80-120
04/27/94	CCV*QC*3	1147*270.2-G	SELENIUM, TOTAL	UG/L	50.0	46.0	92.0	80-120
04/27/94	CCV*QC*3	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	46.0	92.0	80-120
04/27/94	CCV*QC*4	1147*270.2-G	SELENIUM, TOTAL	UG/L	50.0	46.8	93.6	80-120
04/27/94	CCV*QC*4	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	46.8	93.6	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/27/94	ICV*SPEX*1	1147*270.2-G	SELENIUM, TOTAL	UG/L	50.0	46.3	92.6	90-110
04/27/94	ICV*SPEX*1	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	46.3	92.6	90-110

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/27/94	MB*QC*1	1147*270.2-G	SELENIUM, TOTAL	UG/L	ND
04/27/94	MB*QC*1	1147*7740-G	SELENIUM, TOTAL	UG/L	ND
04/27/94	MB*QC*2	1147*270.2-G	SELENIUM, TOTAL	UG/L	ND
04/27/94	MB*QC*2	1147*7740-G	SELENIUM, TOTAL	UG/L	ND

Standard Addition (SA) Sample Summary

DATE	SAMPLE	STORET	PARAMETER	KNOWN CNC	RESP	UNC CNC	FINAL CNC	CORR
04/27/94	SA0*MK1043*1	1147*270.2-G	SELENIUM, TOTAL	0.0	.006	2.2	1.1	.9996
04/27/94	SA0*MK1043*1	1147*7740-G	SELENIUM, TOTAL		ND			
04/27/94	SA1*MK1043*1	1147*270.2-G	SELENIUM, TOTAL	20.0	.044			
04/27/94	SA1*MK1043*1	1147*7740-G	SELENIUM, TOTAL		ND			
04/27/94	SA2*MK1043*1	1147*270.2-G	SELENIUM, TOTAL	40.0	.085			
04/27/94	SA2*MK1043*1	1147*7740-G	SELENIUM, TOTAL		ND			
04/27/94	SA3*MK1043*1	1147*270.2-G	SELENIUM, TOTAL	60.0	.128			
04/27/94	SA3*MK1043*1	1147*7740-G	SELENIUM, TOTAL		ND			
04/27/94	SA0*MK1043*2	1147*270.2-G	SELENIUM, TOTAL	0.0	.004	2.6	1.3	.9997
04/27/94	SA0*MK1043*2	1147*7740-G	SELENIUM, TOTAL		ND			
04/27/94	SA1*MK1043*2	1147*270.2-G	SELENIUM, TOTAL	20.0	.042			
04/27/94	SA1*MK1043*2	1147*7740-G	SELENIUM, TOTAL		ND			
04/27/94	SA2*MK1043*2	1147*270.2-G	SELENIUM, TOTAL	40.0	.079			
04/27/94	SA2*MK1043*2	1147*7740-G	SELENIUM, TOTAL		ND			
04/27/94	SA3*MK1043*2	1147*270.2-G	SELENIUM, TOTAL	60.0	.113			
04/27/94	SA3*MK1043*2	1147*7740-G	SELENIUM, TOTAL		ND			

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/27/94	SP1*QC*1	1147*270.2-G	SELENIUM, TOTAL	94.0	76-122	UG/L	10.0	9.4
04/27/94	SP1*QC*1	1147*7740-G	SELENIUM, TOTAL		76-122	UG/L		ND
04/27/94	SP2*QC*1	1147*270.2-G	SELENIUM, TOTAL	92.0	76-122	UG/L	10.0	9.2
04/27/94	SP2*QC*1	1147*7740-G	SELENIUM, TOTAL		76-122	UG/L		ND
04/27/94	SP1*QC*2	1147*270.2-G	SELENIUM, TOTAL		76-122	UG/L		ND
04/27/94	SP1*QC*2	1147*7740-G	SELENIUM, TOTAL	89.0	76-122	UG/L	10.0	8.9

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/27/94	SPM1*MK1043*1	1147*270.2-G	SELENIUM, TOTAL	45.0	76-122	0.0	UG/L	10.0	4.5
04/27/94	SPM1*MK1043*1	1147*7740-G	SELENIUM, TOTAL		76-122	0.0	UG/L		ND
04/27/94	SPM2*MK1043*1	1147*270.2-G	SELENIUM, TOTAL	45.0	76-122	0.0	UG/L	10.0	4.5
04/27/94	SPM2*MK1043*1	1147*7740-G	SELENIUM, TOTAL		76-122	0.0	UG/L		ND
04/27/94	SPM1*CDMHNSW*1	1147*270.2-G	SELENIUM, TOTAL		76-122	0.0	UG/L		ND

ESE BATCH : G48512

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/27/94	SPM1*CDMHNSW*1	1147*7740-G	SELENIUM, TOTAL	91.0	76-122	0.0	UG/L	10.0	9.1
04/27/94	SPM2*CDMHNSW*1	1147*270.2-G	SELENIUM, TOTAL		76-122	0.0	UG/L		ND
04/27/94	SPM2*CDMHNSW*1	1147*7740-G	SELENIUM, TOTAL	87.0	76-122	0.0	UG/L	10.0	8.7

Spike into Matrix Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/27/94	SPX*MK1043*2	1147*270.2-G	SELENIUM, TOTAL	72.8	85-115	UG/L	100.0	72.8
04/27/94	SPX*MK1043*2	1147*7740-G	SELENIUM, TOTAL		85-115	UG/L		ND
04/27/94	SPX*CDMHNSW*1	1147*270.2-G	SELENIUM, TOTAL		85-115	UG/L		ND
04/27/94	SPX*CDMHNSW*1	1147*7740-G	SELENIUM, TOTAL	92.4	85-115	UG/L	100.0	92.4

ESE BATCH : G48512

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48512 Analysis Date: 04/27/94 Analyst: KEITH GEISZLER

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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	SE
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	SE
Analytical spike present?	X		
Analytical spike within acceptance criteria?		X	SE

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: KATHY BARRY 1708
PROB.:SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:POSSIBLE MATRIX INTERFERENCE./KNG
PROB.:SAMPLE MATRIX SPIKE DUPLICATE NOT
WITHIN ACCEPTANCE CRITERIA.
EXPL.:SEE ABOVE./KNG
PROB.:ANALYTICAL SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:MSA REQUIRED./KNG
TO CLIENT, NO FURTHER FLAGS NEEDED./BJR

ESE BATCH : G48512

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 : G49082
CLASSIFICATION : SELENIUM - EPA 7740

QC TYPE : FDER/SW
ANALYST : CHRISTOPHER HORRELL
EXTRACTOR : DAVID NICHOLS
DATA ENTRY : GFAA UPLOAD

REPORT DATE/TIME : 05/24/94 14:59:50
ANALYSIS DATE : 05/11/94
EXTRACT DATE : 05/11/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*11	WSV2-1-EB2	05/12/94	01:02AM

ESE BATCH : G49082

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 1147 METHOD: 7740-G SELENIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

CONC :	0	2.5	10	25	50	100
RESP :	.003	.009	.031	.085	.164	318
CONC':						

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

ESE BATCH G49082

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/12/94	CCB*QC*1	1147*7740-G	SELENIUM,TOTAL	UG/L	0.5

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/12/94	CCV*QC*1	1147*7740-G	SELENIUM,TOTAL	UG/L	50.0	53.5	107	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/12/94	ICV*SPEX*1	1147*7740-G	SELENIUM,TOTAL	UG/L	50.0	46.6	93.2	90-110

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/12/94	MB*QC*1	1147*7740-G	SELENIUM,TOTAL	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/12/94	SP*QC*1	1147*7740-G	SELENIUM,TOTAL	99.0	76-122	UG/L	10.0	9.9

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/12/94	SPM1*CDMHNSW*11	1147*7740-G	SELENIUM,TOTAL	107.0	76-122	0.0	UG/L	10.0	10.7
05/12/94	SPM2*CDMHNSW*11	1147*7740-G	SELENIUM,TOTAL	113.0	76-122	0.0	UG/L	10.0	11.3

Spike into Matrix Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/12/94	SPX*CDMHNSW*11	1147*7740-G	SELENIUM,TOTAL	103.0	85-115	UG/L	100.0	103

ESE BATCH : G49082

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49082 Analysis Date: 05/11/94 Analyst: CHRISTOPHER HORRELL

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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		
Analytical spike present?	X		
Analytical spike within acceptance criteria?	X		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49082

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 : G49189
CLASSIFICATION : SELENIUM - EPA 7740

QC TYPE : FDER/SW
ANALYST : LISA SWAYZE
EXTRACTOR : DEBRA ZUCKERMAN
DATA ENTRY : LISA SWAYZE

REPORT DATE/TIME : 05/24/94 15:51:22
ANALYSIS DATE : 05/16/94
EXTRACT DATE : 05/14/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*13	EWW1-1-00	05/16/94	

ESE BATCH : G49189

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 1147 METHOD: 7740-G SELENIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/16/94 LARGEST RESP=0.383 %RSD= RT WINDOW:

CONC :	0.0	2.5	10.0	25.0	50.0	100.0
RESP :	0.003	0.015	0.047	0.103	0.193	0.383
CONC':						

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

ESE BATCH : G49189

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	CCB*QC*3	1147*7740-G	SELENIUM, TOTAL	UG/L	0.1
05/16/94	CCB*QC*4	1147*7740-G	SELENIUM, TOTAL	UG/L	0.2
05/16/94	CCB*QC*5	1147*7740-G	SELENIUM, TOTAL	UG/L	ND

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	CCV*QC*3	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	47.7	95.4	80-120
05/16/94	CCV*QC*4	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	47.0	94.0	80-120
05/16/94	CCV*QC*5	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	47.8	95.6	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	ICV*SPEX*1	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	45.8	91.6	90-110

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	MB*QC*2	1147*7740-G	SELENIUM, TOTAL	UG/L	ND

Standard Addition (SA) Sample Summary

DATE	SAMPLE	STORET	PARAMETER	KNOWN CNC	RESP	UNC CNC	FINAL CNC	CORR
05/16/94	SA0*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	0.0	0.001	0.0	0.0	.9952
05/16/94	SA1*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	20.0	0.034			
05/16/94	SA2*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	40.0	0.059			
05/16/94	SA3*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	60.0	0.101			

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SP*QC*2	1147*7740-G	SELENIUM, TOTAL	84.0	76-122	UG/L	10.0	8.4

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/16/94	SPM1*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	36.0	76-122	0.0	UG/L	10.0	3.6
05/16/94	SPM2*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	36.0	76-122	0.0	UG/L	10.0	3.6

Spike into Matrix Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SPX*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	69.4	85-115	UG/L	100.0	69.4

ESE BATCH : G49189

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49189 Analysis Date: 05/16/94 Analyst: LISA SWAYZE

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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 SE	_____
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X SE	_____
Analytical spike present?	X		
Analytical spike within acceptance criteria?		X SE	_____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: KATHY BARRY 1708
PROB: SAMPLE MATRIX SPIKE AND MATRIX SPIKE DUP
NOT WITHIN ACCEPTANCE CRITERIA.
EXPL: POSSIBLE MATRIX INTERFERENCE.
PROB: ANALYTICAL SPIKE NOT PRESENT.
EXPL: <90% RECOVERY. MSA REQUIRED. / LMS 05-17-94

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
```

Mercury

ESE BATCH : G48474
CLASSIFICATION : MERCURY-EPA 245.1

QC TYPE : FDER/SW
ANALYST : ELIZABETH CREARY
EXTRACTOR : ELIZABETH CREARY
DATA ENTRY : ELIZABETH CREARY

REPORT DATE/TIME : 05/24/94 14:58:59
ANALYSIS DATE : 04/27/94
EXTRACT DATE : 04/27/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*1	WA05-1-EB1	04/27/94	

ESE BATCH : G48474

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 71900 METHOD: 245.1-G MERCURY,TOTAL, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=0.1 DATE: 04/27/94 LARGEST RESP=74.50 %RSD=17.8488 RT WINDOW:

CONC :	0.0	0.1	0.2	0.5	1.0	2.0	5.0	7.0	10.0
RESP :	0.25	1.25	2.00	5.00	9.50	18.5	40.0	53.25	74.50
CONC':	-.05	0.07	0.16	0.51	1.05	2.15	4.99	6.86	10.1

CONC = -7.4655E-02+ 1.1532E-01*RESP+ 2.7930E-04*RESP**2+ *RESP**3
95% C.I.= 9.9133E-02 9.3562E-03 1.3157E-04
CORRELATION COEFFICIENT = .9997

STORET: 71900 METHOD: 7470-G MERCURY,TOTAL, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=0.2 DATE: 04/27/94 LARGEST RESP=74.50 %RSD=17.8488 RT WINDOW:

CONC :	0.0	0.1	0.2	0.5	1.0	2.0	5.0	7.0	10.0
RESP :	0.25	1.25	2.00	5.00	9.50	18.5	40.0	53.25	74.50
CONC':	-.05	0.07	0.16	0.51	1.05	2.15	4.99	6.86	10.1

CONC = -7.4655E-02+ 1.1532E-01*RESP+ 2.7930E-04*RESP**2+ *RESP**3
95% C.I.= 9.9133E-02 9.3562E-03 1.3157E-04
CORRELATION COEFFICIENT = .9997

ESE BATCH : G48474

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/27/94	CCB*QC*1	71900*245.1-G	MERCURY,TOTAL	UG/L	ND
04/27/94	CCB*QC*1	71900*7470-G	MERCURY,TOTAL	UG/L	ND

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/27/94	CCV*QC*1	71900*245.1-G	MERCURY,TOTAL	UG/L	5.00	5.19	104	80-120
04/27/94	CCV*QC*1	71900*7470-G	MERCURY,TOTAL	UG/L	5.00	5.19	104	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/27/94	ICV*PE-PURE*1	71900*245.1-G	MERCURY,TOTAL	UG/L	5.00	5.26	105	80-120
04/27/94	ICV*PE-PURE*1	71900*7470-G	MERCURY,TOTAL	UG/L	5.00	5.26	105	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/27/94	MB*QC*1	71900*245.1-G	MERCURY,TOTAL	UG/L	ND
04/27/94	MB*QC*1	71900*7470-G	MERCURY,TOTAL	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/27/94	SP1*QC*1	71900*245.1-G	MERCURY,TOTAL	103.8	85-127	UG/L	5.00	5.19
04/27/94	SP1*QC*1	71900*7470-G	MERCURY,TOTAL	103.8	85-127	UG/L	5.00	5.19
04/27/94	SP2*QC*1	71900*245.1-G	MERCURY,TOTAL	104.6	85-127	UG/L	5.00	5.23
04/27/94	SP2*QC*1	71900*7470-G	MERCURY,TOTAL	104.6	85-127	UG/L	5.00	5.23

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/27/94	SPM1*MK1043*1	71900*245.1-G	MERCURY,TOTAL	80.0	85-127	0.0	UG/L	5.00	4.00
04/27/94	SPM1*MK1043*1	71900*7470-G	MERCURY,TOTAL		85-127	0.0	UG/L		ND
04/27/94	SPM2*MK1043*1	71900*245.1-G	MERCURY,TOTAL	81.4	85-127	0.0	UG/L	5.00	4.07
04/27/94	SPM2*MK1043*1	71900*7470-G	MERCURY,TOTAL		85-127	0.0	UG/L		ND

ESE BATCH : G48474

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48474 Analysis Date: 04/27/94 Analyst: ELIZABETH CREARY

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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 HG	_____
		HG	** Fewer than 1 spikes. _____
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X HG	_____
		HG	** Fewer than 1 spike duplicate(s). _____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: KATHY BARRY 1708
PROB.: SAMPLE MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.: POSSIBLE MATRIX EFFECT.
SEE DATA FOR MK1043*1./BC
PROB.: SAMPLE MATRIX SPIKE DUPLICATE NOT
WITHIN ACCEPTANCE CRITERIA.
EXPL.: SEE ABOVE./BC
MK1043 DATA NOT AFFECTED./BJR

ESE BATCH : G48474

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 : G49076
CLASSIFICATION : MERCURY - EPA 7470

QC TYPE : FDER/SW
ANALYST : MARSHALL SEIGLER
EXTRACTOR : MARSHALL SEIGLER
DATA ENTRY : MARSHALL SEIGLER

REPORT DATE/TIME : 05/24/94 14:59:11
ANALYSIS DATE : 05/11/94
EXTRACT DATE : 05/11/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*11	WSV2-1-EB2		

ESE BATCH : G49076

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 71900 METHOD: 7470-G MERCURY,TOTAL, UG/L QUAL

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=0.2 DATE: 05/11/94 LARGEST RESP=64.5 %RSD=24.8823 RT WINDOW:

CONC :	0.0	0.2	0.5	1.0	2.0	5.0	7.0	10.0
RESP :	0.25	2.5	5.5	9.5	16.25	36.75	51.0	64.5
CONC':	-.02	0.23	0.56	1.03	1.88	4.86	7.29	9.87

CONC = -4.4868E-02+ 1.0643E-01*RESP+ 7.3339E-04*RESP**2+ *RESP**3
95% C.I.= 2.1022E-01 2.1486E-02 3.3698E-04
CORRELATION COEFFICIENT = .9993

ESE BATCH G49076

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/11/94	CCB*QC*1	71900*7470-G	MERCURY, TOTAL	UG/L	0.04

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/11/94	CCV*QC*1	71900*7470-G	MERCURY, TOTAL	UG/L	5.00	5.14	103	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/11/94	ICV*PE-PURE*1	71900*7470-G	MERCURY, TOTAL	UG/L	5.00	4.74	94.8	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/11/94	MB*QC*1	71900*7470-G	MERCURY, TOTAL	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/11/94	SP*QC*1	71900*7470-G	MERCURY, TOTAL	98.8	85-127	UG/L	5.00	4.94

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/11/94	SPM1*CDMHNSW*11	71900*7470-G	MERCURY, TOTAL	92.4	85-127	0.0	UG/L	5.00	4.62
05/11/94	SPM2*CDMHNSW*11	71900*7470-G	MERCURY, TOTAL	95.6	85-127	0.0	UG/L	5.00	4.78

ESE BATCH : G49076

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49076 Analysis Date: 05/11/9- Analyst: MARSHALL SEIGLER

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49076

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 : G49181
CLASSIFICATION : MERCURY - EPA 7470

QC TYPE : FDER/SW
ANALYST : KEITH GEISZLER
EXTRACTOR : KEITH GEISZLER
DATA ENTRY : KEITH GEISZLER

REPORT DATE/TIME : 05/24/94 14:59:21
ANALYSIS DATE : 05/16/94
EXTRACT DATE : 05/16/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*13	EWW1-1-00	05/16/94	

ESE BATCH : G49181

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 71900 METHOD: 7470-G MERCURY,TOTAL, UG/L QUAD

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=0.2 DATE: 05/16/94 LARGEST RESP=73.75 %RSD=14.0653 RT WINDOW:

CONC :	0.0	0.2	0.5	1.0	2.0	5.0	7.0	10.0
RESP :	0.25	2.25	4.75	9.5	18.5	41.5	56.25	73.75
CONC':	0.02	0.22	0.48	0.98	1.99	4.94	7.11	9.96

CONC = -9.3807E-04+ 9.8497E-02*RESP+ 4.9540E-04*RESP**2+ *RESP**3
95% C.I.= 7.2951E-02 6.5915E-03 9.1658E-05
CORRELATION COEFFICIENT = .9999

ESE BATCH : G49181

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	CCB*QC*1	71900*7470-G	MERCURY,TOTAL	UG/L	0.07

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	CCV*QC*1	71900*7470-G	MERCURY,TOTAL	UG/L	5.00	5.15	103	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	ICV*PE-PURE*1	71900*7470-G	MERCURY,TOTAL	UG/L	5.00	5.08	102	80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	MB*QC*1	71900*7470-G	MERCURY,TOTAL	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SP*QC*1	71900*7470-G	MERCURY,TOTAL	98.8	85-127	UG/L	5.00	4.94

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/16/94	SPM1*CDMHNSW*13	71900*7470-G	MERCURY,TOTAL	91.8	85-127	0.0	UG/L	5.00	4.59
05/16/94	SPM2*CDMHNSW*13	71900*7470-G	MERCURY,TOTAL	93.2	85-127	0.0	UG/L	5.00	4.66

ESE BATCH : G49181

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49181 Analysis Date: 05/16/91 Analyst: KEITH GEISZLER

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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		

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G49181

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

Volatile Organic Compounds

ESE BATCH : G48483
CLASSIFICATION : VOCS - EPA 8260

QC TYPE : FDER/SW
ANALYST : DANIEL LUCAS
EXTRACTOR :
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/24/94 15:00:13
ANALYSIS DATE : 04/26/94
EXTRACT DATE :

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

BATCH NOTES
DOWNLOAD FILE CDMHNDL1

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*2	WA05-1-TB1	04/26/94	05:05PM
CDMHNSW*1	WA05-1-EB1	04/26/94	05:37PM

ESE BATCH : G48483

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 34418 METHOD: 8260-G CHLOROMETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=4.4 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34413 METHOD: 8260-G BROMOMETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=3.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 39175 METHOD: 8260-G VINYL CHLORIDE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=4.6 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34311 METHOD: 8260-G CHLOROETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=8.2 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34423 METHOD: 8260-G METHYLENE CHLORIDE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=6.4 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 81552 METHOD: 8260-G ACETONE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=9.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 77041 METHOD: 8260-G CARBON DISULFIDE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=4.4 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34501 METHOD: 8260-G 1,1-DICHLOROETHYLENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=3.2 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34496 METHOD: 8260-G 1,1-DICHLOROETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 96463 METHOD: 8260-G 1,2-DICHLOROETHENE (TOTAL), UG/L GCMS

CALIBRATION CURVE # 1

DETECTION LIMIT=2.4 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 32106 METHOD: 8260-G CHLOROFORM, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98812 METHOD: SUR 1,2-DICHLOROETHANE-D(4), UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34531 METHOD: 8260-G 1,2-DICHLOROETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 81595 METHOD: 8260-G METHYL ETHYL KETONE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34506 METHOD: 8260-G 1,1,1-TRICHLOROETHANE, UG/L GCMS

ESE BATCH : G48483

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 32102 METHOD: 8260-G CARBON TETRACHLORIDE UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.6 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34576 METHOD: 8260-G 2-CHLOROETHYLVINYL- ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=3.1 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 77057 METHOD: 8260-G VINYL ACETATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=10.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 32101 METHOD: 8260-G BROMODICHLOROMETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.2 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34541 METHOD: 8260-G 1,2-DICHLOROPROPANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34704 METHOD: 8260-G CIS-1,3-DICHLORO- PROPENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 39180 METHOD: 8260-G TRICHLOROETHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=3.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 32105 METHOD: 8260-G DIBROMOCHLOROMETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.3 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34511 METHOD: 8260-G 1,1,2-TRICHLOROETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.8 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34030 METHOD: 8260-G BENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: LARGEST RESP= %RSD= RT WINDOW

STORET: 34699 METHOD: 8260-G TRANS-1,3-DICHLORO- PROPENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.6 DATE: LARGEST RESP= %RSD= RT WINDOW

STORET: 32104 METHOD: 8260-G BROMOFORM, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.6 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 81596 METHOD: 8260-G METHYL ISOBUTYLKETONE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=12.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 77103 METHOD: 8260-G 2-HEXANONE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=21.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34475 METHOD: 8260-G TETRACHLOROETHENE, UG/L GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48483
DETECTION LIMIT=1.9 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34516 METHOD: 8260-G 1,1,2 2-TETRACHLORO- ETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34010 METHOD: 8260-G TOLUENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.7 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98810 METHOD: SUR TOLUENE-D(8), UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34301 METHOD: 8260-G CHLOROBENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.4 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34371 METHOD: 8260-G ETHYLBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.3 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 77128 METHOD: 8260-G STYRENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=0.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 81551 METHOD: 8260-G XYLENES,TOTAL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=3.72 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 97947 METHOD: SUR BROMOFLUOROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48483

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/26/94	MB*NONE*0426	34418*8260-G	CHLOROMETHANE	UG/L	ND
04/26/94	MB*NONE*0426	34413*8260-G	BROMOMETHANE	UG/L	ND
04/26/94	MB*NONE*0426	39175*8260-G	VINYL CHLORIDE	UG/L	ND
04/26/94	MB*NONE*0426	34311*8260-G	CHLOROETHANE	UG/L	ND
04/26/94	MB*NONE*0426	34423*8260-G	METHYLENE CHLORIDE	UG/L	ND
04/26/94	MB*NONE*0426	81552*8260-G	ACETONE	UG/L	ND
04/26/94	MB*NONE*0426	77041*8260-G	CARBON DISULFIDE	UG/L	ND
04/26/94	MB*NONE*0426	34501*8260-G	1,1-DICHLOROETHYLENE	UG/L	ND
04/26/94	MB*NONE*0426	34496*8260-G	1,1-DICHLOROETHANE	UG/L	ND
04/26/94	MB*NONE*0426	96463*8260-G	1,2-DICHLOROETHENE (TOTAL)	UG/L	ND
04/26/94	MB*NONE*0426	32106*8260-G	CHLOROFORM	UG/L	0.31
04/26/94	MB*NONE*0426	34531*8260-G	1,2-DICHLOROETHANE	UG/L	ND
04/26/94	MB*NONE*0426	81595*8260-G	METHYL ETHYL KETONE	UG/L	ND
04/26/94	MB*NONE*0426	34506*8260-G	1,1,1-TRICHLOROETHANE	UG/L	ND
04/26/94	MB*NONE*0426	32102*8260-G	CARBON TETRACHLORIDE	UG/L	ND
04/26/94	MB*NONE*0426	34576*8260-G	2-CHLOROETHYLVINYL ETHER	UG/L	ND
04/26/94	MB*NONE*0426	77057*8260-G	VINYL ACETATE	UG/L	ND
04/26/94	MB*NONE*0426	32101*8260-G	BROMODICHLOROMETHANE	UG/L	ND
04/26/94	MB*NONE*0426	34541*8260-G	1,2-DICHLOROPROPANE	UG/L	ND
04/26/94	MB*NONE*0426	34704*8260-G	CIS-1,3-DICHLORO- PROPENE	UG/L	ND
04/26/94	MB*NONE*0426	39180*8260-G	TRICHLOROETHENE	UG/L	ND
04/26/94	MB*NONE*0426	32105*8260-G	DIBROMOCHLOROMETHANE	UG/L	ND
04/26/94	MB*NONE*0426	34511*8260-G	1,1,2-TRICHLOROETHANE	UG/L	ND
04/26/94	MB*NONE*0426	34030*8260-G	BENZENE	UG/L	ND
04/26/94	MB*NONE*0426	34699*8260-G	TRANS-1,3-DICHLORO- PROPENE	UG/L	ND
04/26/94	MB*NONE*0426	32104*8260-G	BROMOFORM	UG/L	ND
04/26/94	MB*NONE*0426	81596*8260-G	METHYL ISOBUT KETONE	UG/L	ND
04/26/94	MB*NONE*0426	77103*8260-G	2-HEXANONE	UG/L	ND
04/26/94	MB*NONE*0426	34475*8260-G	TETRACHLOROETHENE	UG/L	ND
04/26/94	MB*NONE*0426	34516*8260-G	1,1,2,2-TETRACHLORO- ETHANE	UG/L	ND
04/26/94	MB*NONE*0426	34010*8260-G	TOLUENE	UG/L	ND
04/26/94	MB*NONE*0426	34301*8260-G	CHLOROBENZENE	UG/L	ND
04/26/94	MB*NONE*0426	34371*8260-G	ETHYLBENZENE	UG/L	ND
04/26/94	MB*NONE*0426	77128*8260-G	STYRENE	UG/L	ND
04/26/94	MB*NONE*0426	81551*8260-G	XYLENES,TOTAL	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/26/94	SP1*NONE*0426	34501*8260-G	1,1-DICHLOROETHYLENE	94	61-145	UG/L	50	47
04/26/94	SP1*NONE*0426	39180*8260-G	TRICHLOROETHENE	98	71-120	UG/L	50	49
04/26/94	SP1*NONE*0426	34030*8260-G	BENZENE	100	76-127	UG/L	50	50
04/26/94	SP1*NONE*0426	34010*8260-G	TOLUENE	96	76-125	UG/L	50	48
04/26/94	SP1*NONE*0426	34301*8260-G	CHLOROBENZENE	104	75-130	UG/L	50	52

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
04/26/94	SPM1*CDMHNSW*1	34501*8260-G	1,1-DICHLOROETHYLENE	86	61-145	0.0	UG/L	50	43
04/26/94	SPM1*CDMHNSW*1	39180*8260-G	TRICHLOROETHENE	96	71-120	0.0	UG/L	50	48
04/26/94	SPM1*CDMHNSW*1	34030*8260-G	BENZENE	100	76-127	0.0	UG/L	50	50
04/26/94	SPM1*CDMHNSW*1	34010*8260-G	TOLUENE	94	76-125	0.0	UG/L	50	47
04/26/94	SPM1*CDMHNSW*1	34301*8260-G	CHLOROBENZENE	102	75-130	0.0	UG/L	50	51
04/26/94	SPM2*CDMHNSW*1	34501*8260-G	1,1-DICHLOROETHYLENE	92	61-145	0.0	UG/L	50	46
04/26/94	SPM2*CDMHNSW*1	39180*8260-G	TRICHLOROETHENE	98	71-120	0.0	UG/L	50	49
04/26/94	SPM2*CDMHNSW*1	34030*8260-G	BENZENE	100	76-127	0.0	UG/L	50	50
04/26/94	SPM2*CDMHNSW*1	34010*8260-G	TOLUENE	94	76-125	0.0	UG/L	50	47
04/26/94	SPM2*CDMHNSW*1	34301*8260-G	CHLOROBENZENE	102	75-130	0.0	UG/L	50	51

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/26/94	MB*NONE*0426	98812*SUR	1,2-DICHLOROETHANE-D(4)	UG/L	50	49	98	76-114
04/26/94	MB*NONE*0426	98810*SUR	TOLUENE-D(8)	UG/L	50	49	98	85-115
04/26/94	MB*NONE*0426	97947*SUR	BROMOFLUOROBENZENE	UG/L	50	50	100	86-115
04/26/94	DA*CDMHNSW*2	98812*SUR	1,2-DICHLOROETHANE-D(4)	UG/L	50	49	98	76-114
04/26/94	DA*CDMHNSW*2	98810*SUR	TOLUENE-D(8)	UG/L	50	49	98	85-115
04/26/94	DA*CDMHNSW*2	97947*SUR	BROMOFLUOROBENZENE	UG/L	50	50	100	86-115
04/26/94	DA*CDMHNSW*1	98812*SUR	1,2-DICHLOROETHANE-D(4)	UG/L	50	49	98	76-114
04/26/94	DA*CDMHNSW*1	98810*SUR	TOLUENE-D(8)	UG/L	50	49	98	85-115
04/26/94	DA*CDMHNSW*1	97947*SUR	BROMOFLUOROBENZENE	UG/L	50	50	100	86-115
04/26/94	SPM1*CDMHNSW*1	98812*SUR	1,2-DICHLOROETHANE D(4)	UG/L	50	49	98	76-114
04/26/94	SPM1*CDMHNSW*1	98810*SUR	TOLUENE-D(8)	UG/L	50	49	98	85-115

ESE BATCH : G48483

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/26/94	SPM1*CDMHNSW*1	97947*SUR	BROMOFLUOROBENZENE	UG/L	50	51	100	86-115
04/26/94	SPM2*CDMHNSW*1	98812*SUR	1,2-DICHLOROETHANE-D(4)	UG/L	50	48	96	76-114
04/26/94	SPM2*CDMHNSW*1	98810*SUR	TOLUENE-D(8)	UG/L	50	49	98	85-115
04/26/94	SPM2*CDMHNSW*1	97947*SUR	BROMOFLUOROBENZENE	UG/L	50	51	100	86-115
04/26/94	SP1*NONE*0426	98812*SUR	1,2-DICHLOROETHANE-D(4)	UG/L	50	49	98	76-114
04/26/94	SP1*NONE*0426	98810*SUR	TOLUENE-D(8)	UG/L	50	50	100	85-115
04/26/94	SP1*NONE*0426	97947*SUR	BROMOFLUOROBENZENE	UG/L	50	50	100	86-115

ESE BATCH : G48483

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48483 Analysis Date: 04/26/94 Analyst: DANIEL LUCAS

	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		
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	12DCD4 _____
			MEC6D8 _____
			EFB _____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G48483

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 : G48856
CLASSIFICATION : VOCS - EPA 8260

QC TYPE : FDER/SW
ANALYST : DANIEL LUCAS
EXTRACTOR :
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/24/94 15:01:31
ANALYSIS DATE : 05/06/94
EXTRACT DATE :

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE
USATHAMA LOT: Instrument

BATCH NOTES
DOWNLOAD FILE CDMHNDL2

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*4	WBG3-1-TB2	05/06/94	03:16PM

ESE BATCH : G48856

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 34418 METHOD: 8260-G CHLOROMETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=4.4 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34413 METHOD: 8260-G BROMOMETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=3.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 39175 METHOD: 8260-G VINYL CHLORIDE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=4.6 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34311 METHOD: 8260-G CHLOROETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=8.2 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34423 METHOD: 8260-G METHYLENE CHLORIDE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=6.4 DATE: LARGEST RESP= %RSD= RT WINDOW

STORET: 81552 METHOD: 8260-G ACETONE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=9.0 DATE: LARGEST RESP= %RSD= RT WINDOW

STORET: 77041 METHOD: 8260-G CARBON DISULFIDE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=4.4 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34501 METHOD: 8260-G 1,1-DICHLOROETHYLENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=3.2 DATE: LARGEST RESP= %RSD= RT WINDOW

STORET: 34496 METHOD: 8260-G 1,1-DICHLOROETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: LARGEST RESP= %RSD= RT WINDOW

STORET: 96463 METHOD: 8260-G 1,2-DICHLOROETHENE (TOTAL), UG/L GCMS

CALIBRATION CURVE # 1

DETECTION LIMIT=2.4 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 32106 METHOD: 8260-G CHLOROFORM, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98812 METHOD: SUR 1,2-DICHLOROETHANE-D(4), UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34531 METHOD: 8260-G 1,2-DICHLOROETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 81595 METHOD: 8260-G METHYL ETHYL KETONE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: LARGEST RESP= %RSD= RT WINDOW

STORET: 34506 METHOD: 8260-G 1,1,1-TRICHLOROETHANE, UG/L GCMS

ESE BATCH : G48856

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 32102 METHOD: 8260-G CARBON TETRACHLORIDE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.6 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34576 METHOD: 8260-G 2-CHLOROETHYLVINYL- ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=3.1 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 77057 METHOD: 8260-G VINYL ACETATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=10.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 32101 METHOD: 8260-G BROMODICHLOROMETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.2 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34541 METHOD: 8260-G 1,2-DICHLOROPROPANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34704 METHOD: 8260-G CIS-1,3-DICHLORO- PROPENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 39180 METHOD: 8260-G TRICHLOROETHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=3.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 32105 METHOD: 8260-G DIBROMOCHLOROMETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.3 DATE: LARGEST RESP= %RSD= RT WINDOW.

STORET: 34511 METHOD: 8260-G 1,1,2-TRICHL'ETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.8 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34030 METHOD: 8260-G BENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: LARGEST RESP= %RSD= RT WINDOW

STORET: 34699 METHOD: 8260-G TRANS-1,3-DICHLORO- PROPENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.6 DATE: LARGEST RESP= %RSD= RT WINDOW

STORET: 32104 METHOD: 8260-G BROMOFORM, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.6 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 81596 METHOD: 8260-G METHYL ISOBUT'KETONE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=12.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 77103 METHOD: 8260-G 2-HEXANONE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=21.0 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34475 METHOD: 8260-G TETRACHLOROETHENE, UG/L GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48856
DETECTION LIMIT=1.9 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34516 METHOD: 8260-G 1,1,2,2-TETRACHLORO- ETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34010 METHOD: 8260-G TOLUENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.7 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98810 METHOD: SUR TOLUENE-D(8), UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34301 METHOD: 8260-G CHLOROBENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.4 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34371 METHOD: 8260-G ETHYLBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.3 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 77128 METHOD: 8260-G STYRENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=0.5 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 81551 METHOD: 8260-G XYLENES,TOTAL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=3.72 DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 97947 METHOD: SUR BROMOFLUOROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48856

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/06/94	MB*NONE*0506	34418*8260-G	CHLOROMETHANE	UG/L	ND
05/06/94	MB*NONE*0506	34413*8260-G	BROMOMETHANE	UG/L	ND
05/06/94	MB*NONE*0506	39175*8260-G	VINYL CHLORIDE	UG/L	ND
05/06/94	MB*NONE*0506	34311*8260-G	CHLOROETHANE	UG/L	ND
05/06/94	MB*NONE*0506	34423*8260-G	METHYLENE CHLORIDE	UG/L	1.7
05/06/94	MB*NONE*0506	81552*8260-G	ACETONE	UG/L	ND
05/06/94	MB*NONE*0506	77041*8260-G	CARBON DISULFIDE	UG/L	ND
05/06/94	MB*NONE*0506	34501*8260-G	1,1-DICHLOROETHYLENE	UG/L	ND
05/06/94	MB*NONE*0506	34496*8260-G	1,1-DICHLOROETHANE	UG/L	ND
05/06/94	MB*NONE*0506	96463*8260-G	1,2-DICHLOROETHENE (TOTAL)	UG/L	ND
05/06/94	MB*NONE*0506	32106*8260-G	CHLOROFORM	UG/L	ND
05/06/94	MB*NONE*0506	34531*8260-G	1,2-DICHLOROETHANE	UG/L	ND
05/06/94	MB*NONE*0506	81595*8260-G	METHYL ETHYL KETONE	UG/L	ND
05/06/94	MB*NONE*0506	34506*8260-G	1,1,1-TRICHLOROETHANE	UG/L	ND
05/06/94	MB*NONE*0506	32102*8260-G	CARBON TETRACHLORIDE	UG/L	ND
05/06/94	MB*NONE*0506	34576*8260-G	2-CHLOROETHYLVINYL- ETHER	UG/L	ND
05/06/94	MB*NONE*0506	77057*8260-G	VINYL ACETATE	UG/L	ND
05/06/94	MB*NONE*0506	32101*8260-G	BROMODICHLOROMETHANE	UG/L	ND
05/06/94	MB*NONE*0506	34541*8260-G	1,2-DICHLOROPROPANE	UG/L	ND
05/06/94	MB*NONE*0506	34704*8260-G	CIS-1,3-DICHLORO- PROPENE	UG/L	ND
05/06/94	MB*NONE*0506	39180*8260-G	TRICHLOROETHENE	UG/L	ND
05/06/94	MB*NONE*0506	32105*8260-G	DIBROMOCHLOROMETHANE	UG/L	ND
05/06/94	MB*NONE*0506	34511*8260-G	1,1,2-TRICHLOROETHANE	UG/L	ND
05/06/94	MB*NONE*0506	34030*8260-G	BENZENE	UG/L	ND
05/06/94	MB*NONE*0506	34699*8260-G	TRANS-1,3-DICHLORO- PROPENE	UG/L	ND
05/06/94	MB*NONE*0506	32104*8260-G	BROMOFORM	UG/L	ND
05/06/94	MB*NONE*0506	81596*8260-G	METHYL ISOBUTYL KETONE	UG/L	ND
05/06/94	MB*NONE*0506	77103*8260-G	2-HEXANONE	UG/L	ND
05/06/94	MB*NONE*0506	34475*8260-G	TETRACHLOROETHENE	UG/L	ND
05/06/94	MB*NONE*0506	34516*8260-G	1,1,2,2-TETRACHLORO- ETHANE	UG/L	ND
05/06/94	MB*NONE*0506	34010*8260-G	TOLUENE	UG/L	ND
05/06/94	MB*NONE*0506	34301*8260-G	CHLOROBENZENE	UG/L	ND
05/06/94	MB*NONE*0506	34371*8260-G	ETHYLBENZENE	UG/L	ND
05/06/94	MB*NONE*0506	77128*8260-G	STYRENE	UG/L	ND
05/06/94	MB*NONE*0506	81551*8260-G	XYLENES, TOTAL	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/06/94	SP1*NONE*0506	34501*8260-G	1,1-DICHLOROETHYLENE	94	61-145	UG/L	50	47
05/06/94	SP1*NONE*0506	39180*8260-G	TRICHLOROETHENE	96	71-120	UG/L	50	48
05/06/94	SP1*NONE*0506	34030*8260-G	BENZENE	94	76-127	UG/L	50	47
05/06/94	SP1*NONE*0506	34010*8260-G	TOLUENE	90	76-125	UG/L	50	45
05/06/94	SP1*NONE*0506	34301*8260-G	CHLOROBENZENE	98	75-130	UG/L	50	49

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/06/94	SPM1*CDMHNSW*4	34501*8260-G	1,1-DICHLOROETHYLENE	100	61-145	0.0	UG/L	50	50
05/06/94	SPM1*CDMHNSW*4	39180*8260-G	TRICHLOROETHENE	94	71-120	0.0	UG/L	50	47
05/06/94	SPM1*CDMHNSW*4	34030*8260-G	BENZENE	94	76-127	0.0	UG/L	50	47
05/06/94	SPM1*CDMHNSW*4	34010*8260-G	TOLUENE	90	76-125	0.0	UG/L	50	45
05/06/94	SPM1*CDMHNSW*4	34301*8260-G	CHLOROBENZENE	98	75-130	0.0	UG/L	50	49
05/06/94	SPM2*CDMHNSW*4	34501*8260-G	1,1-DICHLOROETHYLENE	104	61-145	0.0	UG/L	50	52
05/06/94	SPM2*CDMHNSW*4	39180*8260-G	TRICHLOROETHENE	96	71-120	0.0	UG/L	50	48
05/06/94	SPM2*CDMHNSW*4	34030*8260-G	BENZENE	92	76-127	0.0	UG/L	50	46
05/06/94	SPM2*CDMHNSW*4	34010*8260-G	TOLUENE	90	76-125	0.0	UG/L	50	45
05/06/94	SPM2*CDMHNSW*4	34301*8260-G	CHLOROBENZENE	98	75-130	0.0	UG/L	50	49

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/06/94	MB*NONE*0506	98812*SUR	1,2-DICHLOROETHANE-D(4)	UG/L	50	49	98	76-114
05/06/94	MB*NONE*0506	98810*SUR	TOLUENE-D(8)	UG/L	50	50	100	85-115
05/06/94	MB*NONE*0506	97947*SUR	BROMOFLUOROBENZENE	UG/L	50	51	100	86-115
05/06/94	DA*CDMHNSW*4	98812*SUR	1,2-DICHLOROETHANE-D(4)	UG/L	50	49	98	76-114
05/06/94	DA*CDMHNSW*4	98810*SUR	TOLUENE-D(8)	UG/L	50	50	100	85-115
05/06/94	DA*CDMHNSW*4	97947*SUR	BROMOFLUOROBENZENE	UG/L	50	50	100	86-115
05/06/94	SPM1*CDMHNSW*4	98812*SUR	1,2-DICHLOROETHANE-D(4)	UG/L	50	49	98	76-114
05/06/94	SPM1*CDMHNSW*4	98810*SUR	TOLUENE-D(8)	UG/L	50	51	100	85-115
05/06/94	SPM1*CDMHNSW*4	97947*SUR	BROMOFLUOROBENZENE	UG/L	50	50	100	86-115
05/06/94	SPM2*CDMHNSW*4	98812*SUR	1,2-DICHLOROETHANE-D(4)	UG/L	50	50	100	76-114
05/06/94	SPM2*CDMHNSW*4	98810*SUR	TOLUENE-D(8)	UG/L	50	52	100	85-115

ESE BATCH : G48856

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/06/94	SPM2*CDMHNSW*4	97947*SUR	BROMOFLUOROBENZENE	UG/L	50	50	100	86-115
05/06/94	SP1*NONE*0506	98362*SUR	1,2-DICHLOROETHANE-D(4)	UG/L	50	49	98	76-114
05/06/94	SP1*NONE*0506	98360*SUR	TOLUENE-D(8)	UG/L	50	50	100	85-115
05/06/94	SP1*NONE*0506	97947*SUR	BROMOFLUOROBENZENE	UG/L	50	49	98	86-115

ESE BATCH : G48856

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48856 Analysis Date: 05/06/94 Analyst: DANIEL LUCAS

	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		
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	12DCD4 _____
			MBC608 _____
			BNB _____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

ESE BATCH : G48856

TABLE OF ABBREVIATIONS

%RECV : % Recovery for spiked samples. (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 : G49189
CLASSIFICATION : SELENIUM - EPA 7740

QC TYPE : FDER/SW
ANALYST : LISA SWAYZE
EXTRACTOR : DEBRA ZUCKERMAN
DATA ENTRY : LISA SWAYZE

REPORT DATE/TIME : 05/24/94 14:59:59
ANALYSIS DATE : 05/16/94
EXTRACT DATE : 05/14/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*13	EWW1-1-00	05/16/94	

ESE BATCH : G49189

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 1147 METHOD: 7740-G SELENIUM,TOTAL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/16/94 LARGEST RESP=0.383 %RSD= RT WINDOW:

CONC :	0.0	2.5	10.0	25.0	50.0	100.0
RESP :	0.003	0.015	0.047	0.103	0.193	0.383
CONC':						

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

ESE BATCH : G49189

Continuing Calibration Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	CCB*QC*3	1147*7740-G	SELENIUM, TOTAL	UG/L	0.1
05/16/94	CCB*QC*4	1147*7740-G	SELENIUM, TOTAL	UG/L	0.2
05/16/94	CCB*QC*5	1147*7740-G	SELENIUM, TOTAL	UG/L	ND

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	CCV*QC*3	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	47.7	95.4	80-120
05/16/94	CCV*QC*4	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	47.0	94.0	80-120
05/16/94	CCV*QC*5	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	47.8	95.6	80-120

Initial Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	ICV*SPEX*1	1147*7740-G	SELENIUM, TOTAL	UG/L	50.0	45.8	91.6	90-110

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	MB*QC*2	1147*7740-G	SELENIUM, TOTAL	UG/L	ND

Standard Addition (SA) Sample Summary

DATE	SAMPLE	STORET	PARAMETER	KNOWN CNC	RESP	UNC CNC	FINAL CNC	CORR
05/16/94	SA0*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	0.0	0.001	0.0	0.0	.9952
05/16/94	SA1*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	20.0	0.034			
05/16/94	SA2*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	40.0	0.059			
05/16/94	SA3*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	60.0	0.101			

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SP*QC*2	1147*7740-G	SELENIUM, TOTAL	84.0	76-122	UG/L	10.0	8.4

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/16/94	SPM1*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	36.0	76-122	0.0	UG/L	10.0	3.6
05/16/94	SPM2*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	36.0	76-122	0.0	UG/L	10.0	3.6

Spike into Matrix Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SPX*CDMHNSW*13	1147*7740-G	SELENIUM, TOTAL	69.4	85-115	UG/L	100.0	69.4

ESE BATCH : G49189

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49189 Analysis Date: 05/16/94 Analyst: LISA SWAYZE

	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		
CCV present?	X		
CCV within acceptance criteria?	X		
ICV present?	X		
ICV within acceptance criteria?	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 SE	_____
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X SE	_____
Analytical spike present?	X		
Analytical spike within acceptance criteria?		X SE	_____

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: KATHY BARRY 1708
PROB: SAMPLE MATRIX SPIKE AND MATRIX SPIKE DUP
NOT WITHIN ACCEPTANCE CRITERIA.
EXPL: POSSIBLE MATRIX INTERFERENCE.
PROB: ANALYTICAL SPIKE NOT PRESENT.
EXPL: <90% RECOVERY. MSA REQUIRED. / LMS 05-17-94

ESE BATCH : G49189

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

Semivolatile Organic Compounds

ESE BATCH : G48568
CLASSIFICATION : ACID EXTR. - EPA 8270/3520 (CLP)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR : DONNA CREWS
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/24/94 15:02:47
ANALYSIS DATE : 04/28/94
EXTRACT DATE : 04/26/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK6 FILE REUPLOADED ON 05/03/94 /TLR

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*1	WA05-1-EB1	05/01/94	08:04PM

ESE BATCH : G48568

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98316 METHOD: SUR 2-FLUOROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98317 METHOD: SUR PHENOL-D(5), UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34694 METHOD: 8270/3520-G PHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34273 METHOD: 8270/3520-G BIS(2-CHLOROETHYL) ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34586 METHOD: 8270/3520-G 2-CHLOROPHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34566 METHOD: 8270/3520-G 1,3,DICHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34571 METHOD: 8270/3520-G 1,4-DICHLOROBENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34536 METHOD: 8270/3520-G 1,2-DICHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 77147 METHOD: 8270/3520-G BENZYL ALCOHOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99073 METHOD: 8270/3520-G 2-METHYL PHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99074 METHOD: 8270/3520-G 4-METHYL PHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34283 METHOD: 8270/3520-G BIS(2-CHLORISOPROPYL) ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34428 METHOD: 8270/3520-G N-NITROSODI-N-PROPYLAMINE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34396 METHOD: 8270/3520-G HEXACHLOROETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98318 METHOD: SUR NITROBENZENE-D(5), UG/L GCMS

ESE BATCH : G48568

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34447 METHOD: 8270/3520-G NITROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34408 METHOD: 8270/3520-G ISOPHORONE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34591 METHOD: 8270/3520-G 2-NITROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34606 METHOD: 8270/3520-G 2,4-DIMETHYLPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 77247 METHOD: 8270/3520-G BENZOIC ACID, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=5.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34278 METHOD: 8270/3520-G BIS(2-CHLOROETHOXY) METHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34601 METHOD: 8270/3520-G 2,4-DICHLOROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34551 METHOD: 8270/3520-G 1,2,4-TRICH'BENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34696 METHOD: 8270/3520-G NAPHTHALENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99075 METHOD: 8270/3520-G 4-CHLOROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34391 METHOD: 8270/3520-G HEXACHLOROBUTADIENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34452 METHOD: 8270/3520-G 4-CHLORO-3-METHYL PHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 77416 METHOD: 8270/3520-G 2-METHLYNAPHTHALENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34386 METHOD: 8270/3520-G HEXACHLOROCYCLOPENTADIENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=14 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34621 METHOD: 8270/3520-G 2,4,6-TRICHL'PHENOL, UG/L GCMS

CALIBRATION CURVE # 1

ESE BATCH : G48568
DETECTION LIMIT=2.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 77687 METHOD: 8270/3520-G 2,4,5-TRICHLOROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 98321 METHOD: SUR 2-FLUOROBIPHENYL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34581 METHOD: 8270/3520-G 2-CHLORONAPHTHALENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 99077 METHOD: 8270/3520-G 2-NITROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34341 METHOD: 8270/3520-G DIMETHYLPTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34200 METHOD: 8270/3520-G ACENAPHTHYLENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34626 METHOD: 8270/3520-G 2,6-DINITROTOLUENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99078 METHOD: 8270/3520-G 3-NITROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34205 METHOD: 8270/3520-G ACENAPHTHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34616 METHOD: 8270/3520-G 2,4-DINITROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34646 METHOD: 8270/3520-G 4-NITROPHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 81302 METHOD: 8270/3520-G DIBENZOFURAN, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34611 METHOD: 8270/3520-G 2,4-DINITROTOLUENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34336 METHOD: 8270/3520-G DIETHYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34641 METHOD: 8270/3520-G 4-CHLOROPHENYLPHENYL ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48568
STORET: 34381 METHOD: 8270/3520-G FLUORENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99079 METHOD: 8270/3520-G 4-NITROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34433 METHOD: 8270/3520-G N-NITROSODIPHENYLAMINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97446 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34657 METHOD: 8270/3520-G 2-METHYL-4,6-DINITROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34636 METHOD: 8270/3520-G 4-BROMOPHENYLPHENYL ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 39700 METHOD: 8270/3520-G HEXACHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 39032 METHOD: 8270/3520-G PENTACHLOROPHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=3.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34461 METHOD: 8270/3520-G PHENANTHRENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34220 METHOD: 8270/3520-G ANTHRACENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39110 METHOD: 8270/3520-G DI-N-BUTYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34376 METHOD: 8270/3520-G FLUORANTHENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34469 METHOD: 8270/3520-G PYRENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97447 METHOD: SUR TERPHENYL-D(14), UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34292 METHOD: 8270/3520-G BUTYLBENZYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34631 METHOD: 8270/3520-G 3,3'-DICHLOROBENZIDINE, UG/L GCMS

ESE BATCH : G48568
CALIBRATION CURVE # 1
DETECTION LIMIT=5.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34526 METHOD: 8270/3520-G BENZO(A)ANTHRACENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34320 METHOD: 8270/3520-G CHRYSENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39100 METHOD: 8270/3520-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34596 METHOD: 8270/3520-G DI-N-OCTYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.4 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34230 METHOD: 8270/3520-G BENZO(B)FLUORANTHENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34242 METHOD: 8270/3520-G BENZO(K)FLUORANTHENE UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34247 METHOD: 8270/3520-G BENZO(A)PYRENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34403 METHOD: 8270/3520-G INDENO(1,2,3-CD) PYRENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34556 METHOD: 8270/3520-G DIBEN'(A,H)ANTH'CENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34521 METHOD: 8270/3520-G BENZO(GHI)PERYLENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 04/26/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48568

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/01/94	MB*NONE*1	34694*8270/3520-G	PHENOL	UG/L	ND
05/01/94	MB*NONE*1	34273*8270/3520-G	BIS(2-CHLOROETHYL) ETHER	UG/L	ND
05/01/94	MB*NONE*1	34586*8270/3520-G	2-CHLOROPHENOL	UG/L	ND
05/01/94	MB*NONE*1	34566*8270/3520-G	1,3,DICHLOROBENZENE	UG/L	ND
05/01/94	MB*NONE*1	34571*8270/3520-G	1,4-DICHLOROBENZENE	UG/L	ND
05/01/94	MB*NONE*1	34536*8270/3520-G	1,2-DICHLOROBENZENE	UG/L	ND
05/01/94	MB*NONE*1	77147*8270/3520-G	BENZYL ALCOHOL	UG/L	ND
05/01/94	MB*NONE*1	99073*8270/3520-G	2-METHYL PHENOL	UG/L	ND
05/01/94	MB*NONE*1	99074*8270/3520-G	4-METHYL PHENOL	UG/L	ND
05/01/94	MB*NONE*1	34283*8270/3520-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/L	ND
05/01/94	MB*NONE*1	34428*8270/3520-G	N-NITROSODI-N-PROPYLAMINE	UG/L	ND
05/01/94	MB*NONE*1	34396*8270/3520-G	HEXACHLOROETHANE	UG/L	ND
05/01/94	MB*NONE*1	34447*8270/3520-G	NITROBENZENE	UG/L	ND
05/01/94	MB*NONE*1	34408*8270/3520-G	ISOPHORONE	UG/L	ND
05/01/94	MB*NONE*1	34591*8270/3520-G	2-NITROPHENOL	UG/L	ND
05/01/94	MB*NONE*1	34606*8270/3520-G	2,4-DIMETHYLPHENOL	UG/L	ND
05/01/94	MB*NONE*1	77247*8270/3520-G	BENZOIC ACID	UG/L	ND
05/01/94	MB*NONE*1	34278*8270/3520-G	BIS(2-CHLOROETHOXY) METHANE	UG/L	ND
05/01/94	MB*NONE*1	34601*8270/3520-G	2,4-DICHLOROPHENOL	UG/L	ND
05/01/94	MB*NONE*1	34551*8270/3520-G	1,2,4-TRICH'BENZENE	UG/L	ND
05/01/94	MB*NONE*1	34696*8270/3520-G	NAPHTHALENE	UG/L	ND
05/01/94	MB*NONE*1	99075*8270/3520-G	4-CHLOROANILINE	UG/L	ND
05/01/94	MB*NONE*1	34391*8270/3520-G	HEXACHLOROBUTADIENE	UG/L	ND
05/01/94	MB*NONE*1	34452*8270/3520-G	4-CHLORO-3-METHYL PHENOL	UG/L	ND
05/01/94	MB*NONE*1	77416*8270/3520-G	2-METHLYNAPHTHALENE	UG/L	ND
05/01/94	MB*NONE*1	34386*8270/3520-G	HEXACHLOROCYCLOPENTADIENE	UG/L	ND
05/01/94	MB*NONE*1	34621*8270/3520-G	2,4,6-TRICHL'PHENOL	UG/L	ND
05/01/94	MB*NONE*1	77687*8270/3520-G	2,4,5-TRICHL'PHENOL	UG/L	ND
05/01/94	MB*NONE*1	34581*8270/3520-G	2-CHLORONAPHTHALENE	UG/L	ND
05/01/94	MB*NONE*1	99077*8270/3520-G	2-NITROANILINE	UG/L	ND
05/01/94	MB*NONE*1	34341*8270/3520-G	DIMETHYLPTHALATE	UG/L	ND
05/01/94	MB*NONE*1	34200*8270/3520-G	ACENAPHTHYLENE	UG/L	ND
05/01/94	MB*NONE*1	34626*8270/3520-G	2,6-DINITROTOLUENE	UG/L	ND
05/01/94	MB*NONE*1	99078*8270/3520-G	3-NITROANILINE	UG/L	ND
05/01/94	MB*NONE*1	34205*8270/3520-G	ACENAPHTHENE	UG/L	ND
05/01/94	MB*NONE*1	34616*8270/3520-G	2,4-DINITROPHENOL	UG/L	ND
05/01/94	MB*NONE*1	34646*8270/3520-G	4-NITROPHENOL	UG/L	ND
05/01/94	MB*NONE*1	81302*8270/3520-G	DIBENZOFURAN	UG/L	ND
05/01/94	MB*NONE*1	34611*8270/3520-G	2,4-DINITROTOLUENE	UG/L	ND
05/01/94	MB*NONE*1	34336*8270/3520-G	DIETHYLPHTHALATE	UG/L	ND
05/01/94	MB*NONE*1	34641*8270/3520-G	4-CHLOROPHENYLPHENYL ETHER	UG/L	ND
05/01/94	MB*NONE*1	34381*8270/3520-G	FLUORENE	UG/L	ND
05/01/94	MB*NONE*1	99079*8270/3520-G	4-NITROANILINE	UG/L	ND
05/01/94	MB*NONE*1	34433*8270/3520-G	N-NITROSODIPHE'AMINE	UG/L	ND
05/01/94	MB*NONE*1	34657*8270/3520-G	2-METHYL-4,6-DINITROPHENOL	UG/L	ND
05/01/94	MB*NONE*1	34636*8270/3520-G	4-BROMOPHENYLPHENYL ETHER	UG/L	ND
05/01/94	MB*NONE*1	39700*8270/3520-G	HEXACHLOROBENZENE	UG/L	ND
05/01/94	MB*NONE*1	39032*8270/3520-G	PENTACHLOROPHENOL	UG/L	ND
05/01/94	MB*NONE*1	34461*8270/3520-G	PHENANTHRENE	UG/L	ND
05/01/94	MB*NONE*1	34220*8270/3520-G	ANTHRACENE	UG/L	ND
05/01/94	MB*NONE*1	39110*8270/3520-G	DI-N-BUTYLPHTHALATE	UG/L	ND
05/01/94	MB*NONE*1	34376*8270/3520-G	FLUORANTHENE	UG/L	ND
05/01/94	MB*NONE*1	34469*8270/3520-G	PYRENE	UG/L	ND
05/01/94	MB*NONE*1	34292*8270/3520-G	BUTYLBENZYLPHTHALATE	UG/L	ND
05/01/94	MB*NONE*1	34631*8270/3520-G	3,3'-DICHL'BENZIDINE	UG/L	ND
05/01/94	MB*NONE*1	34526*8270/3520-G	BENZO(A)ANTHRACENE	UG/L	ND
05/01/94	MB*NONE*1	34320*8270/3520-G	CHRYSENE	UG/L	ND
05/01/94	MB*NONE*1	39100*8270/3520-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/L	ND
05/01/94	MB*NONE*1	34596*8270/3520-G	DI-N-OCTYLPHTHALATE	UG/L	ND
05/01/94	MB*NONE*1	34230*8270/3520-G	BENZO(B)FLUORANTHENE	UG/L	ND
05/01/94	MB*NONE*1	34242*8270/3520-G	BENZO(K)FLUORANTHENE	UG/L	ND
05/01/94	MB*NONE*1	34247*8270/3520-G	BENZO(A)PYRENE	UG/L	ND
05/01/94	MB*NONE*1	34403*8270/3520-G	INDENO(1,2,3-CD) PYRENE	UG/L	ND
05/01/94	MB*NONE*1	34556*8270/3520-G	DIBEN'(A,H)ANTH'CENE	UG/L	ND
05/01/94	MB*NONE*1	34521*8270/3520-G	BENZO(GHI)PERYLENE	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/01/94	SP1*NONE*1	34694*8270/3520-G	PHENOL	100	12-89	UG/L	100	100
05/01/94	SP1*NONE*1	34586*8270/3520-G	2-CHLOROPHENOL	110	27-123	UG/L	100	110
05/01/94	SP1*NONE*1	34571*8270/3520-G	1,4-DICHLOROBENZENE	88	36-97	UG/L	50	44
05/01/94	SP1*NONE*1	34428*8270/3520-G	N-NITROSODI-N-PROPYLAMINE	80	41-116	UG/L	50	40

ESE BATCH : G48568

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/01/94	SP1*NONE*1	34551*8270/3520-G	1,2,4-TRICHLOROBENZENE	88	39-98	UG/L	50	44
05/01/94	SP1*NONE*1	34452*8270/3520-G	4-CHLORO-3-METHYL PHENOL	110	23-97	UG/L	100	110
05/01/94	SP1*NONE*1	34205*8270/3520-G	ACENAPHTHENE	94	46-118	UG/L	50	47
05/01/94	SP1*NONE*1	34646*8270/3520-G	4-NITROPHENOL	120	10-80	UG/L	100	120
05/01/94	SP1*NONE*1	34611*8270/3520-G	2,4-DINITROTOLUENE	100	24-96	UG/L	50	50
05/01/94	SP1*NONE*1	39032*8270/3520-G	PENTACHLOROPHENOL	130	9-103	UG/L	100	130
05/01/94	SP1*NONE*1	34469*8270/3520-G	PYRENE	110	26-127	UG/L	50	55

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/01/94	MB*NONE*1	98316*SUR	2-FLUOROPHENOL	UG/L	100	110	110	21-100
05/01/94	MB*NONE*1	98317*SUR	PHENOL-D(5)	UG/L	100	100	100	10-94
05/01/94	MB*NONE*1	98318*SUR	NITROBENZENE-D(5)	UG/L	50	42	84	35-114
05/01/94	MB*NONE*1	98321*SUR	2-FLUOROBIPHENYL	UG/L	50	41	82	43-116
05/01/94	MB*NONE*1	97446*SUR	2,4,6-TRIBROMOPHENOL	UG/L	100	130	130	10-123
05/01/94	MB*NONE*1	97447*SUR	TERPHENYL-D(14)	UG/L	50	72	140	33-141
05/01/94	SP1*NONE*1	98316*SUR	2-FLUOROPHENOL	UG/L	100	110	110	21-100
05/01/94	SP1*NONE*1	98317*SUR	PHENOL-D(5)	UG/L	100	110	110	10-94
05/01/94	SP1*NONE*1	98318*SUR	NITROBENZENE-D(5)	UG/L	50	39	78	35-114
05/01/94	SP1*NONE*1	98321*SUR	2-FLUOROBIPHENYL	UG/L	50	39	78	43-116
05/01/94	SP1*NONE*1	97446*SUR	2,4,6-TRIBROMOPHENOL	UG/L	100	140	140	10-123
05/01/94	SP1*NONE*1	97447*SUR	TERPHENYL-D(14)	UG/L	50	49	98	33-141
05/01/94	DA*CDMHNSW*1	98316*SUR	2-FLUOROPHENOL	UG/L	100	99	99	21-100
05/01/94	DA*CDMHNSW*1	98317*SUR	PHENOL-D(5)	UG/L	100	84	84	10-94
05/01/94	DA*CDMHNSW*1	98318*SUR	NITROBENZENE-D(5)	UG/L	50	44	88	35-114
05/01/94	DA*CDMHNSW*1	98321*SUR	2-FLUOROBIPHENYL	UG/L	50	41	82	43-116
05/01/94	DA*CDMHNSW*1	97446*SUR	2,4,6-TRIBROMOPHENOL	UG/L	100	130	130	10-123
05/01/94	DA*CDMHNSW*1	97447*SUR	TERPHENYL-D(14)	UG/L	50	58	120	33-141

ESE BATCH : G48568

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48568 Analysis Date: 04/28/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			4CL3MEPHE
			4-NITPHEN
			2,4DNT
			PENCLPHEN
Sample matrix spike present?		X	
Sample matrix spike within acceptance criteria?			
Surrogate present?	X		
Surrogate within acceptance criteria?		X	2FP
			PHEND5
			NBZ-D(5)
			2FBP
			246TBP
			TERPD14

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
FINALIZED PER EHM FOR FAST TURNAROUND./DRW
PROB.:STANDARD MATRIX SPIKE NOT WITHIN
ACCEPTANCE CRITERIA.
EXPL.:FOR PHENOL, THE SP RECOVERY WAS 100%
WITH AN UPPER LIMIT OF 89%. FOR 4-CHLORO-
3-METHYLPHENOL, THE SP1 RECOVERY WAS 110%
WITH AN UPPER LIMIT OF 97%. FOR 4-NITROPHENOL
THE SP1 RECOVERY WAS 120% WITH AN UPPER LIMIT
OF 80%. FOR 2,4-DINITROTOLUENE THE SP1 RECOVERY
WAS 100% WITH AN UPPER LIMIT OF 96%. FOR
PENTACHLOROPHENOL, THE SP1 RECOVERY
WAS 130% WITH AN UPPER LIMIT OF 103%. ALL
OF THESE RECOVERIES WERE WTIHIN THE RANGE
OF HISTORIC DATA. FOR THE MB AND SP1 SAMPLES,
ALL THREE ACID SURROGATES HAD HIGH RECOVERIES.
FOR THE SAMPLE CDMHSW*1, THE 2,4,6-TRIBROMOPHENOL
WAS ABOVE THE UPPER RECOVERY LIMIT. SIMILAR RESULTS
WERE OBTAINED FOR THESE SAMPLES DURING THE
PRELIMINARY ANALYSIS OF 4.28.94./WSK
PROB.:SAMPLE MATRIX SPIKE NOT PRESENT.
EXPL.:SEE ABOVE./WSK
PROB.:SURROGATE NOT WITHIN ACCEPTANCE
CRITERIA.
EXPL.:SEE ABOVE./WSK

ESE BATCH : G48568

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 : G49125
CLASSIFICATION : ACID EXTR. - EPA 8270/3520 (CLP)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR : GARY HALL
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/24/94 15:04:11
ANALYSIS DATE : 05/12/94
EXTRACT DATE : 05/10/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK11

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*11	WSV2-1-EB2	05/12/94	03:30PM

ESE BATCH : G49125

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98316 METHOD: SUR 2-FLUOROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98317 METHOD: SUR PHENOL-D(5), UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34694 METHOD: 8270/3520-G PHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34273 METHOD: 8270/3520-G BIS(2-CHLOROETHYL) ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34586 METHOD: 8270/3520-G 2-CHLOROPHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34566 METHOD: 8270/3520-G 1,3,DICHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34571 METHOD: 8270/3520-G 1,4-DICHLOROBENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34536 METHOD: 8270/3520-G 1,2-DICHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 77147 METHOD: 8270/3520-G BENZYL ALCOHOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99073 METHOD: 8270/3520-G 2-METHYL PHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99074 METHOD: 8270/3520-G 4-METHYL PHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34283 METHOD: 8270/3520-G BIS(2-CHL'ISOPROPYL) ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34428 METHOD: 8270/3520-G N-NITROSODI-N-PROPYLAMINE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34396 METHOD: 8270/3520-G HEXACHLOROETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98318 METHOD: SUR NITROBENZENE-D(5), UG/L GCMS

ESE BATCH : G49125

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34447 METHOD: 8270/3520-G NITROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34408 METHOD: 8270/3520-G ISOPHORONE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34591 METHOD: 8270/3520-G 2-NITROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34606 METHOD: 8270/3520-G 2,4-DIMETHYLPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 77247 METHOD: 8270/3520-G BENZOIC ACID, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=5.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34278 METHOD: 8270/3520-G BIS(2-CHLOROETHOXY) METHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34601 METHOD: 8270/3520-G 2,4-DICHLOROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34551 METHOD: 8270/3520-G 1,2,4-TRICH'BENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34696 METHOD: 8270/3520-G NAPHTHALENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99075 METHOD: 8270/3520-G 4-CHLOROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34391 METHOD: 8270/3520-G HEXACHLOROBUTADIENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34452 METHOD: 8270/3520-G 4-CHLORO-3-METHYL PHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 77416 METHOD: 8270/3520-G 2-METHLYNAPHTHALENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34386 METHOD: 8270/3520-G HEXACHLOROCYCLOPENTADIENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=14 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34621 METHOD: 8270/3520-G 2,4,6-TRICHL'PHENOL, UG/L GCMS

CALIBRATION CURVE # 1

ESE BATCH : G49125
DETECTION LIMIT=2.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 77687 METHOD: 8270/3520-G 2,4,5-TRICHLOROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98321 METHOD: SUR 2-FLUOROBIPHENYL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34581 METHOD: 8270/3520-G 2-CHLORONAPHTHALENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99077 METHOD: 8270/3520-G 2-NITROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34341 METHOD: 8270/3520-G DIMETHYLPTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34200 METHOD: 8270/3520-G ACENAPHTHYLENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34626 METHOD: 8270/3520-G 2,6-DINITROTOLUENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99078 METHOD: 8270/3520-G 3-NITROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34205 METHOD: 8270/3520-G ACENAPHTHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34616 METHOD: 8270/3520-G 2,4-DINITROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34646 METHOD: 8270/3520-G 4-NITROPHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 81302 METHOD: 8270/3520-G DIBENZOFURAN, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34611 METHOD: 8270/3520-G 2,4-DINITROTOLUENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34336 METHOD: 8270/3520-G DIETHYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34641 METHOD: 8270/3520-G 4-CHLOROPHENYLPHENYL ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49125
STORET: 34381 METHOD: 8270/3520-G FLUORENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99079 METHOD: 8270/3520-G 4-NITROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34433 METHOD: 8270/3520-G N-NITROSODIPHE'AMINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97446 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34657 METHOD: 8270/3520-G 2-METHYL-4,6-DINITROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34636 METHOD: 8270/3520-G 4-BROMOPHENYLPHENYL ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39700 METHOD: 8270/3520-G HEXACHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39032 METHOD: 8270/3520-G PENTACHLOROPHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=3.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34461 METHOD: 8270/3520-G PHENANTHRENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34220 METHOD: 8270/3520-G ANTHRACENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39110 METHOD: 8270/3520-G DI-N-BUTYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34376 METHOD: 8270/3520-G FLUORANTHENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34469 METHOD: 8270/3520-G PYRENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97447 METHOD: SUR TERPHENYL-D(14), UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34292 METHOD: 8270/3520-G BUTYLBENZYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34631 METHOD: 8270/3520-G 3,3'-DICHL'BENZIDINE, UG/L GCMS

ESE BATCH : G49125
CALIBRATION CURVE # 1
DETECTION LIMIT=5.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34526 METHOD: 8270/3520-G BENZO(A)ANTHRACENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34320 METHOD: 8270/3520-G CHRYSENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39100 METHOD: 8270/3520-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34596 METHOD: 8270/3520-G DI-N-OCTYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.4 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34230 METHOD: 8270/3520-G BENZO(B)FLUORANTHENE UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34242 METHOD: 8270/3520-G BENZO(K)FLUORANTHENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34247 METHOD: 8270/3520-G BENZO(A)PYRENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34403 METHOD: 8270/3520-G INDENO(1,2,3-CD) PYRENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34556 METHOD: 8270/3520-G DIBEN'(A,H)ANTH'CENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34521 METHOD: 8270/3520-G BENZO(GHI)PERYLENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/06/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49125

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/12/94	MB*NONE*1	34694*8270/3520-G	PHENOL	UG/L	ND
05/12/94	MB*NONE*1	34273*8270/3520-G	BIS(2-CHLOROETHYL) ETHER	UG/L	ND
05/12/94	MB*NONE*1	34586*8270/3520-G	2-CHLOROPHENOL	UG/L	ND
05/12/94	MB*NONE*1	34566*8270/3520-G	1,3,DICHLOROBENZENE	UG/L	ND
05/12/94	MB*NONE*1	34571*8270/3520-G	1,4-DICHLOROBENZENE	UG/L	ND
05/12/94	MB*NONE*1	34536*8270/3520-G	1,2-DICHLOROBENZENE	UG/L	ND
05/12/94	MB*NONE*1	77147*8270/3520-G	BENZYL ALCOHOL	UG/L	ND
05/12/94	MB*NONE*1	99073*8270/3520-G	2-METHYL PHENOL	UG/L	ND
05/12/94	MB*NONE*1	99074*8270/3520-G	4-METHYL PHENOL	UG/L	ND
05/12/94	MB*NONE*1	34283*8270/3520-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/L	ND
05/12/94	MB*NONE*1	34428*8270/3520-G	N-NITROSODI-N-PROPYLAMINE	UG/L	ND
05/12/94	MB*NONE*1	34396*8270/3520-G	HEXACHLOROETHANE	UG/L	ND
05/12/94	MB*NONE*1	34447*8270/3520-G	NITROBENZENE	UG/L	ND
05/12/94	MB*NONE*1	34408*8270/3520-G	ISOPHORONE	UG/L	ND
05/12/94	MB*NONE*1	34591*8270/3520-G	2-NITROPHENOL	UG/L	ND
05/12/94	MB*NONE*1	34606*8270/3520-G	2,4-DIMETHYLPHENOL	UG/L	ND
05/12/94	MB*NONE*1	77247*8270/3520-G	BENZOIC ACID	UG/L	ND
05/12/94	MB*NONE*1	34278*8270/3520-G	BIS(2-CHLOROETHOXY) METHANE	UG/L	ND
05/12/94	MB*NONE*1	34601*8270/3520-G	2,4-DICHLOROPHENOL	UG/L	ND
05/12/94	MB*NONE*1	34551*8270/3520-G	1,2,4-TRICH'BENZENE	UG/L	ND
05/12/94	MB*NONE*1	34696*8270/3520-G	NAPHTHALENE	UG/L	ND
05/12/94	MB*NONE*1	99075*8270/3520-G	4-CHLOROANILINE	UG/L	ND
05/12/94	MB*NONE*1	34391*8270/3520-G	HEXACHLOROBUTADIENE	UG/L	ND
05/12/94	MB*NONE*1	34452*8270/3520-G	4-CHLORO-3-METHYL PHENOL	UG/L	ND
05/12/94	MB*NONE*1	77416*8270/3520-G	2-METHLYNAPHTHALENE	UG/L	ND
05/12/94	MB*NONE*1	34386*8270/3520-G	HEXACHLOROCYCLOPENTADIENE	UG/L	ND
05/12/94	MB*NONE*1	34621*8270/3520-G	2,4,6-TRICHL'PHENOL	UG/L	ND
05/12/94	MB*NONE*1	77687*8270/3520-G	2,4,5-TRICHL'PHENOL	UG/L	ND
05/12/94	MB*NONE*1	34581*8270/3520-G	2-CHLORONAPHTHALENE	UG/L	ND
05/12/94	MB*NONE*1	99077*8270/3520-G	2-NITROANILINE	UG/L	ND
05/12/94	MB*NONE*1	34341*8270/3520-G	DIMETHYLPTHALATE	UG/L	ND
05/12/94	MB*NONE*1	34200*8270/3520-G	ACENAPHTHYLENE	UG/L	ND
05/12/94	MB*NONE*1	34626*8270/3520-G	2,6-DINITROTOLUENE	UG/L	ND
05/12/94	MB*NONE*1	99078*8270/3520-G	3-NITROANILINE	UG/L	ND
05/12/94	MB*NONE*1	34205*8270/3520-G	ACENAPHTHENE	UG/L	ND
05/12/94	MB*NONE*1	34616*8270/3520-G	2,4-DINITROPHENOL	UG/L	ND
05/12/94	MB*NONE*1	34646*8270/3520-G	4-NITROPHENOL	UG/L	ND
05/12/94	MB*NONE*1	81302*8270/3520-G	DIBENZOFURAN	UG/L	ND
05/12/94	MB*NONE*1	34611*8270/3520-G	2,4-DINITROTOLUENE	UG/L	ND
05/12/94	MB*NONE*1	34336*8270/3520-G	DIETHYLPHTHALATE	UG/L	ND
05/12/94	MB*NONE*1	34641*8270/3520-G	4-CHLOROPHENYLPHENYL ETHER	UG/L	ND
05/12/94	MB*NONE*1	34381*8270/3520-G	FLUORENE	UG/L	ND
05/12/94	MB*NONE*1	99079*8270/3520-G	4-NITROANILINE	UG/L	ND
05/12/94	MB*NONE*1	34433*8270/3520-G	N-NITROSODIPHE'AMINE	UG/L	ND
05/12/94	MB*NONE*1	34657*8270/3520-G	2-METHYL-4,6-DINITROPHENOL	UG/L	ND
05/12/94	MB*NONE*1	34636*8270/3520-G	4-BROMOPHENYLPHENYL ETHER	UG/L	ND
05/12/94	MB*NONE*1	39700*8270/3520-G	HEXACHLOROBENZENE	UG/L	ND
05/12/94	MB*NONE*1	39032*8270/3520-G	PENTACHLOROPHENOL	UG/L	ND
05/12/94	MB*NONE*1	34461*8270/3520-G	PHENANTHRENE	UG/L	ND
05/12/94	MB*NONE*1	34220*8270/3520-G	ANTHRACENE	UG/L	ND
05/12/94	MB*NONE*1	39110*8270/3520-G	DI-N-BUTYLPHTHALATE	UG/L	ND
05/12/94	MB*NONE*1	34376*8270/3520-G	FLUORANTHENE	UG/L	ND
05/12/94	MB*NONE*1	34469*8270/3520-G	PYRENE	UG/L	ND
05/12/94	MB*NONE*1	34292*8270/3520-G	BUTYLBENZYLPHTHALATE	UG/L	ND
05/12/94	MB*NONE*1	34631*8270/3520-G	3,3'-DICHL'BENZIDINE	UG/L	ND
05/12/94	MB*NONE*1	34526*8270/3520-G	BENZO(A)ANTHRACENE	UG/L	ND
05/12/94	MB*NONE*1	34320*8270/3520-G	CHRYSENE	UG/L	ND
05/12/94	MB*NONE*1	39100*8270/3520-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/L	ND
05/12/94	MB*NONE*1	34596*8270/3520-G	DI-N-OCTYLPHTHALATE	UG/L	ND
05/12/94	MB*NONE*1	34230*8270/3520-G	BENZO(B)FLUORANTHENE	UG/L	ND
05/12/94	MB*NONE*1	34242*8270/3520-G	BENZO(K)FLUORANTHENE	UG/L	ND
05/12/94	MB*NONE*1	34247*8270/3520-G	BENZO(A)PYRENE	UG/L	ND
05/12/94	MB*NONE*1	34403*8270/3520-G	INDENO(1,2,3-CD) PYRENE	UG/L	ND
05/12/94	MB*NONE*1	34556*8270/3520-G	DIBEN'(A,H)ANTH'CENE	UG/L	ND
05/12/94	MB*NONE*1	34521*8270/3520-G	BENZO(GHI)PERYLENE	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/12/94	SP1*NONE*1	34694*8270/3520-G	PHENOL	94	12-89	UG/L	100	94
05/12/94	SP1*NONE*1	34586*8270/3520-G	2-CHLOROPHENOL	98	27-123	UG/L	100	98
05/12/94	SP1*NONE*1	34571*8270/3520-G	1,4-DICHLOROBENZENE	70	36-97	UG/L	50	35
05/12/94	SP1*NONE*1	34428*8270/3520-G	N-NITROSODI-N-PROPYLAMINE	78	41-116	UG/L	50	39

ESE BATCH : G49125

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/12/94	SP1*NONE*1	34551*8270/3520-G	1,2,4-TRICH'BENZENE	66	39-98	UG/L	50	33
05/12/94	SP1*NONE*1	34452*8270/3520-G	4-CHLORO-3-METHYL PHENOL	110	23-97	UG/L	100	110
05/12/94	SP1*NONE*1	34205*8270/3520-G	ACENAPHTHENE	82	46-118	UG/L	50	41
05/12/94	SP1*NONE*1	34646*8270/3520-G	4-NITROPHENOL	94	10-80	UG/L	100	94
05/12/94	SP1*NONE*1	34611*8270/3520-G	2,4-DINITROTOLUENE	86	24-96	UG/L	50	43
05/12/94	SP1*NONE*1	39032*8270/3520-G	PENTACHLOROPHENOL	120	9-103	UG/L	100	120
05/12/94	SP1*NONE*1	34469*8270/3520-G	PYRENE	72	26-127	UG/L	50	36

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/12/94	MB*NONE*1	98316*SUR	2-FLUOROPHENOL	UG/L	100	88	88	21-100
05/12/94	MB*NONE*1	98317*SUR	PHENOL-D(5)	UG/L	100	83	83	10-94
05/12/94	MB*NONE*1	98318*SUR	NITROBENZENE-D(5)	UG/L	50	36	72	35-114
05/12/94	MB*NONE*1	98321*SUR	2-FLUOROBIPHENYL	UG/L	50	31	62	43-116
05/12/94	MB*NONE*1	97446*SUR	2,4,6-TRIBROMOPHENOL	UG/L	100	84	84	10-123
05/12/94	MB*NONE*1	97447*SUR	TERPHENYL-D(14)	UG/L	50	36	72	33-141
05/12/94	DA*CDMHNSW*11	98316*SUR	2-FLUOROPHENOL	UG/L	100	98	98	21-100
05/12/94	DA*CDMHNSW*11	98317*SUR	PHENOL-D(5)	UG/L	100	89	89	10-94
05/12/94	DA*CDMHNSW*11	98318*SUR	NITROBENZENE-D(5)	UG/L	50	35	70	35-114
05/12/94	DA*CDMHNSW*11	98321*SUR	2-FLUOROBIPHENYL	UG/L	50	32	64	43-116
05/12/94	DA*CDMHNSW*11	97446*SUR	2,4,6-TRIBROMOPHENOL	UG/L	100	100	100	10-123
05/12/94	DA*CDMHNSW*11	97447*SUR	TERPHENYL-D(14)	UG/L	50	38	76	33-141
05/12/94	SP1*NONE*1	98316*SUR	2-FLUOROPHENOL	UG/L	100	87	87	21-100
05/12/94	SP1*NONE*1	98317*SUR	PHENOL-D(5)	UG/L	100	85	85	10-94
05/12/94	SP1*NONE*1	98318*SUR	NITROBENZENE-D(5)	UG/L	50	35	70	35-114
05/12/94	SP1*NONE*1	98321*SUR	2-FLUOROBIPHENYL	UG/L	50	34	68	43-116
05/12/94	SP1*NONE*1	97446*SUR	2,4,6-TRIBROMOPHENOL	UG/L	100	120	120	10-123
05/12/94	SP1*NONE*1	97447*SUR	TERPHENYL-D(14)	UG/L	50	36	72	33-141

ESE BATCH : G49125

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49125 Analysis Date: 05/12/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			4CL3MEPHE
			4-NITPHEN
			PENCLPHEN
Sample matrix spike present?		X	
Sample matrix spike within acceptance criteria?			
Surrogate present?	X		
Surrogate within acceptance criteria?		X	2FP
			PHEND5
			NBZ-D(5)
			2FBP
			246TBP
			TERPD14

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB: STANDARD MATRIX SPIKE AND SAMPLE MATRIX SPIKE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL: FOR PHENOL, THE SP1 RECOVERY WAS 94% WITH AN UPPER LIMIT OF 89%. FOR 4-CHLORO-3-METHYL PHENOL, THE RECOVERY WAS 110% WITH AN UPPER LIMIT OF 97%. FOR 4-NITROPHENOL, THE SP1 RECOVERY WAS 94% WITH AN UPPER LIMIT OF 80%. FOR PENTACHLOROPHENOL, THE SP1 RECOVERY WAS 120% WITH AN UPPER LIMIT OF 103%. ALL OF THE ABOVER RECOVERIES ARE WITHIN THE RANGE OF HISTORIC DATA. / SMK 05-13-94

ESE BATCH : G49125

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 : G49230
CLASSIFICATION : ACID EXTR. - EPA 8270/3520 (CLP)

QC TYPE : FDER/SW
ANALYST : SCOTT KEERAN
EXTRACTOR : ABRAHAM JACOB
DATA ENTRY : TODD ROMERO

REPORT DATE/TIME : 05/24/94 15:05:58
ANALYSIS DATE : 05/16/94
EXTRACT DATE : 05/14/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : BY CONCENTRATION

BATCH NOTES
DOWNLOAD FILE HANSK14

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*13	EWW1-1-00	05/16/94	05:31PM

ESE BATCH : G49230

HOLDING TIMES CHECK

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

ALL HOLDING TIMES MET

STORET: 98316 METHOD: SUR 2-FLUOROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 98317 METHOD: SUR PHENOL-D(5), UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34694 METHOD: 8270/3520-G PHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34273 METHOD: 8270/3520-G BIS(2-CHLOROETHYL) ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34586 METHOD: 8270/3520-G 2-CHLOROPHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34566 METHOD: 8270/3520-G 1,3,DICHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34571 METHOD: 8270/3520-G 1,4-DICHLOROBENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34536 METHOD: 8270/3520-G 1,2-DICHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 77147 METHOD: 8270/3520-G BENZYL ALCOHOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99073 METHOD: 8270/3520-G 2-METHYL PHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99074 METHOD: 8270/3520-G 4-METHYL PHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34283 METHOD: 8270/3520-G BIS(2-CHLORISOPROPYL) ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34428 METHOD: 8270/3520-G N-NITROSODI-N-PROPYLAMINE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34396 METHOD: 8270/3520-G HEXACHLOROETHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 98318 METHOD: SUR NITROBENZENE-D(5), UG/L GCMS

ESE BATCH : G49230

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34447 METHOD: 8270/3520-G NITROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34408 METHOD: 8270/3520-G ISOPHORONE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34591 METHOD: 8270/3520-G 2-NITROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34606 METHOD: 8270/3520-G 2,4-DIMETHYLPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 77247 METHOD: 8270/3520-G BENZOIC ACID, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=5.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34278 METHOD: 8270/3520-G BIS(2-CHLOROETHOXY) METHANE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34601 METHOD: 8270/3520-G 2,4-DICHLOROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34551 METHOD: 8270/3520-G 1,2,4-TRICH'BENZENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34696 METHOD: 8270/3520-G NAPHTHALENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99075 METHOD: 8270/3520-G 4-CHLOROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34391 METHOD: 8270/3520-G HEXACHLOROBUTADIENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34452 METHOD: 8270/3520-G 4-CHLORO-3-METHYL PHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 77416 METHOD: 8270/3520-G 2-METHLYNAPHTHALENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34386 METHOD: 8270/3520-G HEXACHLOROCYCLOPENTADIENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=14 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34621 METHOD: 8270/3520-G 2,4,6-TRICHL'PHENOL, UG/L GCMS

CALIBRATION CURVE # 1

ESE BATCH : G49230
DETECTION LIMIT=2.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 77687 METHOD: 8270/3520-G 2,4,5-TRICHLOROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 98321 METHOD: SUR 2-FLUOROBIPHENYL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34581 METHOD: 8270/3520-G 2-CHLORONAPHTHALENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 99077 METHOD: 8270/3520-G 2-NITROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34341 METHOD: 8270/3520-G DIMETHYLPTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34200 METHOD: 8270/3520-G ACENAPHTHYLENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34626 METHOD: 8270/3520-G 2,6-DINITROTOLUENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99078 METHOD: 8270/3520-G 3-NITROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34205 METHOD: 8270/3520-G ACENAPHTHENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34616 METHOD: 8270/3520-G 2,4-DINITROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34646 METHOD: 8270/3520-G 4-NITROPHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 81302 METHOD: 8270/3520-G DIBENZOFURAN, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34611 METHOD: 8270/3520-G 2,4-DINITROTOLUENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34336 METHOD: 8270/3520-G DIETHYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34641 METHOD: 8270/3520-G 4-CHLOROPHENYLPHENYL ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49230
STORET: 34381 METHOD: 8270/3520-G FLUORENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 99079 METHOD: 8270/3520-G 4-NITROANILINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34433 METHOD: 8270/3520-G N-NITROSODIPHE'AMINE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97446 METHOD: SUR 2,4,6-TRIBROMOPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34657 METHOD: 8270/3520-G 2-METHYL-4,6-DINITROPHENOL, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=10 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34636 METHOD: 8270/3520-G 4-BROMOPHENYLPHENYL ETHER, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 39700 METHOD: 8270/3520-G HEXACHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39032 METHOD: 8270/3520-G PENTACHLOROPHENOL, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=3.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34461 METHOD: 8270/3520-G PHENANTHRENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34220 METHOD: 8270/3520-G ANTHRACENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39110 METHOD: 8270/3520-G DI-N-BUTYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34376 METHOD: 8270/3520-G FLUORANTHENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34469 METHOD: 8270/3520-G PYRENE, UG/L FINAL

CALIBRATION CURVE # 1
DETECTION LIMIT=1.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 97447 METHOD: SUR TERPHENYL-D(14), UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT= DATE: LARGEST RESP= %RSD= RT WINDOW:

STORET: 34292 METHOD: 8270/3520-G BUTYLBENZYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34631 METHOD: 8270/3520-G 3,3'-DICHL'BENZIDINE, UG/L GCMS

ESE BATCH : G49230
CALIBRATION CURVE # 1
DETECTION LIMIT=5.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34526 METHOD: 8270/3520-G BENZO(A)ANTHRACENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW

STORET: 34320 METHOD: 8270/3520-G CHRYSENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 39100 METHOD: 8270/3520-G BIS(2-ETHYLHEXYL) PHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34596 METHOD: 8270/3520-G DI-N-OCTYLPHTHALATE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.4 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34230 METHOD: 8270/3520-G BENZO(B)FLUORANTHENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34242 METHOD: 8270/3520-G BENZO(K)FLUORANTHENE UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=1.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34247 METHOD: 8270/3520-G BENZO(A)PYRENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.0 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34403 METHOD: 8270/3520-G INDENO(1,2,3-CD) PYRENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34556 METHOD: 8270/3520-G DIBEN'(A,H)ANTH'CENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

STORET: 34521 METHOD: 8270/3520-G BENZO(GHI)PERYLENE, UG/L GCMS

CALIBRATION CURVE # 1
DETECTION LIMIT=2.5 DATE: 05/14/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49230

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/16/94	MB*NONE*1	34694*8270/3520-G	PHENOL	UG/L	ND
05/16/94	MB*NONE*1	34273*8270/3520-G	BIS(2-CHLOROETHYL) ETHER	UG/L	ND
05/16/94	MB*NONE*1	34586*8270/3520-G	2-CHLOROPHENOL	UG/L	ND
05/16/94	MB*NONE*1	34566*8270/3520-G	1,3,DICHLOROBENZENE	UG/L	ND
05/16/94	MB*NONE*1	34571*8270/3520-G	1,4-DICHLOROBENZENE	UG/L	ND
05/16/94	MB*NONE*1	34536*8270/3520-G	1,2-DICHLOROBENZENE	UG/L	ND
05/16/94	MB*NONE*1	77147*8270/3520-G	BENZYL ALCOHOL	UG/L	ND
05/16/94	MB*NONE*1	99073*8270/3520-G	2-METHYL PHENOL	UG/L	ND
05/16/94	MB*NONE*1	99074*8270/3520-G	4-METHYL PHENOL	UG/L	ND
05/16/94	MB*NONE*1	34283*8270/3520-G	BIS(2-CHL'ISOPROPYL) ETHER	UG/L	ND
05/16/94	MB*NONE*1	34428*8270/3520-G	N-NITROSODI-N-PROPYLAMINE	UG/L	ND
05/16/94	MB*NONE*1	34396*8270/3520-G	HEXACHLOROETHANE	UG/L	ND
05/16/94	MB*NONE*1	34447*8270/3520-G	NITROBENZENE	UG/L	ND
05/16/94	MB*NONE*1	34408*8270/3520-G	ISOPHORONE	UG/L	ND
05/16/94	MB*NONE*1	34591*8270/3520-G	2-NITROPHENOL	UG/L	ND
05/16/94	MB*NONE*1	34606*8270/3520-G	2,4-DIMETHYLPHENOL	UG/L	ND
05/16/94	MB*NONE*1	77247*8270/3520-G	BENZOIC ACID	UG/L	ND
05/16/94	MB*NONE*1	34278*8270/3520-G	BIS(2-CHLOROETHOXY) METHANE	UG/L	ND
05/16/94	MB*NONE*1	34601*8270/3520-G	2,4-DICHLOROPHENOL	UG/L	ND
05/16/94	MB*NONE*1	34551*8270/3520-G	1,2,4-TRICH'BENZENE	UG/L	ND
05/16/94	MB*NONE*1	34696*8270/3520-G	NAPHTHALENE	UG/L	ND
05/16/94	MB*NONE*1	99075*8270/3520-G	4-CHLOROANILINE	UG/L	ND
05/16/94	MB*NONE*1	34391*8270/3520-G	HEXACHLOROBUTADIENE	UG/L	ND
05/16/94	MB*NONE*1	34452*8270/3520-G	4-CHLORO-3-METHYL PHENOL	UG/L	ND
05/16/94	MB*NONE*1	77416*8270/3520-G	2-METHLYNAPHTHALENE	UG/L	ND
05/16/94	MB*NONE*1	34386*8270/3520-G	HEXACHLOROCYCLOPENTADIENE	UG/L	ND
05/16/94	MB*NONE*1	34621*8270/3520-G	2,4,6-TRICHL'PHENOL	UG/L	ND
05/16/94	MB*NONE*1	77687*8270/3520-G	2,4,5-TRICHL'PHENOL	UG/L	ND
05/16/94	MB*NONE*1	34581*8270/3520-G	2-CHLORONAPHTHALENE	UG/L	ND
05/16/94	MB*NONE*1	99077*8270/3520-G	2-NITROANILINE	UG/L	ND
05/16/94	MB*NONE*1	34341*8270/3520-G	DIMETHYLPTHALATE	UG/L	ND
05/16/94	MB*NONE*1	34200*8270/3520-G	ACENAPHTHYLENE	UG/L	ND
05/16/94	MB*NONE*1	34626*8270/3520-G	2,6-DINITROTOLUENE	UG/L	ND
05/16/94	MB*NONE*1	99078*8270/3520-G	3-NITROANILINE	UG/L	ND
05/16/94	MB*NONE*1	34205*8270/3520-G	ACENAPHTHENE	UG/L	ND
05/16/94	MB*NONE*1	34616*8270/3520-G	2,4-DINITROPHENOL	UG/L	ND
05/16/94	MB*NONE*1	34646*8270/3520-G	4-NITROPHENOI	UG/L	ND
05/16/94	MB*NONE*1	81302*8270/3520-G	DIBENZOFURAN	UG/L	ND
05/16/94	MB*NONE*1	34611*8270/3520-G	2,4-DINITROTOLUENE	UG/L	ND
05/16/94	MB*NONE*1	34336*8270/3520-G	DIETHYLPHTHALATE	UG/L	ND
05/16/94	MB*NONE*1	34641*8270/3520-G	4-CHLOROPHENYLPHENYL ETHER	UG/L	ND
05/16/94	MB*NONE*1	34381*8270/3520-G	FLUORENE	UG/L	ND
05/16/94	MB*NONE*1	99079*8270/3520-G	4-NITROANILINE	UG/L	ND
05/16/94	MB*NONE*1	34433*8270/3520-G	N-NITROSODIPHE'AMINE	UG/L	ND
05/16/94	MB*NONE*1	34657*8270/3520-G	2-METHYL-4,6-DINITROPHENOL	UG/L	ND
05/16/94	MB*NONE*1	34636*8270/3520-G	4-BROMOPHENYLPHENYL ETHER	UG/L	ND
05/16/94	MB*NONE*1	39700*8270/3520-G	HEXACHLOROBENZENE	UG/L	ND
05/16/94	MB*NONE*1	39032*8270/3520-G	PENTACHLOROPHENOL	UG/L	ND
05/16/94	MB*NONE*1	34461*8270/3520-G	PHENANTHRENE	UG/L	ND
05/16/94	MB*NONE*1	34220*8270/3520-G	ANTHRACENE	UG/L	ND
05/16/94	MB*NONE*1	39110*8270/3520-G	DI-N-BUTYLPHTHALATE	UG/L	ND
05/16/94	MB*NONE*1	34376*8270/3520-G	FLUORANTHENE	UG/L	ND
05/16/94	MB*NONE*1	34469*8270/3520-G	PYRENE	UG/L	ND
05/16/94	MB*NONE*1	34292*8270/3520-G	BUTYLBENZYLPHTHALATE	UG/L	ND
05/16/94	MB*NONE*1	34631*8270/3520-G	3,3'-DICHL'BENZIDINE	UG/L	ND
05/16/94	MB*NONE*1	34526*8270/3520-G	BENZO(A)ANTHRACENE	UG/L	ND
05/16/94	MB*NONE*1	34320*8270/3520-G	CHRYSENE	UG/L	ND
05/16/94	MB*NONE*1	39100*8270/3520-G	BIS(2-ETHYLHEXYL) PHTHALATE	UG/L	10.0
05/16/94	MB*NONE*1	34596*8270/3520-G	DI-N-OCTYLPHTHALATE	UG/L	ND
05/16/94	MB*NONE*1	34230*8270/3520-G	BENZO(B)FLUORANTHENE	UG/L	ND
05/16/94	MB*NONE*1	34242*8270/3520-G	BENZO(K)FLUORANTHENE	UG/L	ND
05/16/94	MB*NONE*1	34247*8270/3520-G	BENZO(A)PYRENE	UG/L	ND
05/16/94	MB*NONE*1	34403*8270/3520-G	INDENO(1,2,3-CD) PYRENE	UG/L	ND
05/16/94	MB*NONE*1	34556*8270/3520-G	DIBEN'(A,H)ANTH'CENE	UG/L	ND
05/16/94	MB*NONE*1	34521*8270/3520-G	BENZO(GHI)PERYLENE	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SP1*NONE*1	34694*8270/3520-G	PHENOL	98	12-89	UG/L	100	98
05/16/94	SP1*NONE*1	34586*8270/3520-G	2-CHLOROPHENOL	100	27-123	UG/L	100	100
05/16/94	SP1*NONE*1	34571*8270/3520-G	1,4-DICHLOROBENZENE	72	36-97	UG/L	50	36
05/16/94	SP1*NONE*1	34428*8270/3520-G	N-NITROSODI-N-PROPYLAMINE	84	41-116	UG/L	50	42

ESE BATCH : G49230

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/16/94	SP1*NONE*1	34551*8270/3520-G	1,2,4-TRICH'BENZENE	76	39-98	UG/L	50	38
05/16/94	SP1*NONE*1	34452*8270/3520-G	4-CHLORO-3-METHYL PHENOL	100	23-97	UG/L	100	100
05/16/94	SP1*NONE*1	34205*8270/3520-G	ACENAPHTHENE	86	46-118	UG/L	50	43
05/16/94	SP1*NONE*1	34646*8270/3520-G	4-NITROPHENOL	120	10-80	UG/L	100	120
05/16/94	SP1*NONE*1	34611*8270/3520-G	2,4-DINITROTOLUENE	100	24-96	UG/L	50	50
05/16/94	SP1*NONE*1	39032*8270/3520-G	PENTACHLOROPHENOL	130	9-103	UG/L	100	130
05/16/94	SP1*NONE*1	34469*8270/3520-G	PYRENE	88	26-127	UG/L	50	44

Sample Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNSPIKED	UNITS	TARGET	FOUND
05/16/94	SPM1*CDMHNSW*13	34694*8270/3520-G	PHENOL	73	12-89	0.0	UG/L	220	160
05/16/94	SPM1*CDMHNSW*13	34586*8270/3520-G	2-CHLOROPHENOL	86	27-123	0.0	UG/L	220	190
05/16/94	SPM1*CDMHNSW*13	34571*8270/3520-G	1,4-DICHLOROBENZENE	78	36-97	0.0	UG/L	110	86
05/16/94	SPM1*CDMHNSW*13	34428*8270/3520-G	N-NITROSODI-N-PROPYLAMINE	88	41-116	0.0	UG/L	110	97
05/16/94	SPM1*CDMHNSW*13	34551*8270/3520-G	1,2,4-TRICH'BENZENE	80	39-98	0.0	UG/L	110	88
05/16/94	SPM1*CDMHNSW*13	34452*8270/3520-G	4-CHLORO-3-METHYL PHENOL	44	23-97	0.0	UG/L	220	96
05/16/94	SPM1*CDMHNSW*13	34205*8270/3520-G	ACENAPHTHENE	20	46-118	0.0	UG/L	110	22
05/16/94	SPM1*CDMHNSW*13	34646*8270/3520-G	4-NITROPHENOL	150	10-80	0.0	UG/L	220	330
05/16/94	SPM1*CDMHNSW*13	34611*8270/3520-G	2,4-DINITROTOLUENE	109	24-96	0.0	UG/L	110	120
05/16/94	SPM1*CDMHNSW*13	39032*8270/3520-G	PENTACHLOROPHENOL	145	9-103	0.0	UG/L	220	320
05/16/94	SPM1*CDMHNSW*13	34469*8270/3520-G	PYRENE	60	26-127	0.0	UG/L	110	66
05/16/94	SPM2*CDMHNSW*13	34694*8270/3520-G	PHENOL	64	12-89	0.0	UG/L	220	140
05/16/94	SPM2*CDMHNSW*13	34586*8270/3520-G	2-CHLOROPHENOL	77	27-123	0.0	UG/L	220	170
05/16/94	SPM2*CDMHNSW*13	34571*8270/3520-G	1,4-DICHLOROBENZENE	61	36-97	0.0	UG/L	110	67
05/16/94	SPM2*CDMHNSW*13	34428*8270/3520-G	N-NITROSODI-N-PROPYLAMINE	81	41-116	0.0	UG/L	110	89
05/16/94	SPM2*CDMHNSW*13	34551*8270/3520-G	1,2,4-TRICH'BENZENE	68	39-98	0.0	UG/L	110	75
05/16/94	SPM2*CDMHNSW*13	34452*8270/3520-G	4-CHLORO-3-METHYL PHENOL	30	23-97	0.0	UG/L	220	67
05/16/94	SPM2*CDMHNSW*13	34205*8270/3520-G	ACENAPHTHENE	9.1	46-118	0.0	UG/L	110	10.0
05/16/94	SPM2*CDMHNSW*13	34646*8270/3520-G	4-NITROPHENOL	155	10-80	0.0	UG/L	220	340
05/16/94	SPM2*CDMHNSW*13	34611*8270/3520-G	2,4-DINITROTOLUENE	109	24-96	0.0	UG/L	110	120
05/16/94	SPM2*CDMHNSW*13	39032*8270/3520-G	PENTACHLOROPHENOL	155	9-103	0.0	UG/L	220	340
05/16/94	SPM2*CDMHNSW*13	34469*8270/3520-G	PYRENE	62	26-127	0.0	UG/L	110	68

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/16/94	MB*NONE*1	98316*SUR	2-FLUOROPHENOL	UG/L	100	100	100	21-100
05/16/94	MB*NONE*1	98317*SUR	PHENOL-D(5)	UG/L	100	97	97	10-94
05/16/94	MB*NONE*1	98318*SUR	NITROBENZENE-D(5)	UG/L	50	44	88	35-114
05/16/94	MB*NONE*1	98321*SUR	2-FLUOROBIPHENYL	UG/L	50	41	82	43-116
05/16/94	MB*NONE*1	97446*SUR	2,4,6-TRIBROMOPHENOL	UG/L	100	120	120	10-123
05/16/94	MB*NONE*1	97447*SUR	TERPHENYL-D(14)	UG/L	50	50	100	33-141
05/16/94	DA*CDMHNSW*13	98316*SUR	2-FLUOROPHENOL	UG/L	100	15	15	21-100
05/16/94	DA*CDMHNSW*13	98317*SUR	PHENOL-D(5)	UG/L	100	14	14	10-94
05/16/94	DA*CDMHNSW*13	98318*SUR	NITROBENZENE-D(5)	UG/L	50	43	86	35-114
05/16/94	DA*CDMHNSW*13	98321*SUR	2-FLUOROBIPHENYL	UG/L	50	34	68	43-116
05/16/94	DA*CDMHNSW*13	97446*SUR	2,4,6-TRIBROMOPHENOL	UG/L	100	110	110	10-123
05/16/94	DA*CDMHNSW*13	97447*SUR	TERPHENYL-D(14)	UG/L	50	29	58	33-141
05/16/94	SPM1*CDMHNSW*13	98316*SUR	2-FLUOROPHENOL	UG/L	220	140	64	21-100
05/16/94	SPM1*CDMHNSW*13	98317*SUR	PHENOL-D(5)	UG/L	220	130	59	10-94
05/16/94	SPM1*CDMHNSW*13	98318*SUR	NITROBENZENE-D(5)	UG/L	110	100	91	35-114
05/16/94	SPM1*CDMHNSW*13	98321*SUR	2-FLUOROBIPHENYL	UG/L	110	83	75	43-116
05/16/94	SPM1*CDMHNSW*13	97446*SUR	2,4,6-TRIBROMOPHENOL	UG/L	220	260	120	10-123
05/16/94	SPM1*CDMHNSW*13	97447*SUR	TERPHENYL-D(14)	UG/L	110	72	65	33-141
05/16/94	SPM2*CDMHNSW*13	98316*SUR	2-FLUOROPHENOL	UG/L	220	100	45	21-100
05/16/94	SPM2*CDMHNSW*13	98317*SUR	PHENOL-D(5)	UG/L	220	130	59	10-94
05/16/94	SPM2*CDMHNSW*13	98318*SUR	NITROBENZENE-D(5)	UG/L	110	91	83	35-114
05/16/94	SPM2*CDMHNSW*13	98321*SUR	2-FLUOROBIPHENYL	UG/L	110	91	83	43-116
05/16/94	SPM2*CDMHNSW*13	97446*SUR	2,4,6-TRIBROMOPHENOL	UG/L	220	250	110	10-123
05/16/94	SPM2*CDMHNSW*13	97447*SUR	TERPHENYL-D(14)	UG/L	110	68	62	33-141
05/16/94	SP1*NONE*1	98316*SUR	2-FLUOROPHENOL	UG/L	100	99	99	21-100
05/16/94	SP1*NONE*1	98317*SUR	PHENOL-D(5)	UG/L	100	95	95	10-94
05/16/94	SP1*NONE*1	98318*SUR	NITROBENZENE-D(5)	UG/L	50	44	88	35-114
05/16/94	SP1*NONE*1	98321*SUR	2-FLUOROBIPHENYL	UG/L	50	42	84	43-116
05/16/94	SP1*NONE*1	97446*SUR	2,4,6-TRIBROMOPHENOL	UG/L	100	140	140	10-123
05/16/94	SP1*NONE*1	97447*SUR	TERPHENYL-D(14)	UG/L	50	47	94	33-141

ESE BATCH : G49230

Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G49230 Analysis Date: 05/16/94 Analyst: SCOTT KEERAN

	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		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?		X	PHENOL
			4CL3MEPHE
			4-NITPHEN
			2,4DNT
			PENCLPHEN
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?		X	ACENAPH
			4-NITPHEN
			2,4DNT
			PENCLPHEN
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?		X	ACENAPH
			4-NITPHEN
			2,4DNT
			PENCLPHEN
Surrogate present?	X		
Surrogate within acceptance criteria?		X	2FP
			PHEND5
			NBZ-D(5)
			2FBP
			246TBP
			TERPD14

Note: Any "NO" answer requires a comment.

OVERRIDE COMMENTS

BATCH OVERRIDE BY: DWIGHT ROBERTS 515
PROB: STANDARD MATRIX SPIKE NOT
WITHIN ACCEPTANCE CRITERIA.
EXPL: FOR PHENOL, THE SP1 RECOVERY WAS
98% WITH AN UPPER LIMIT OF 89%.
FOR 4-CHLORO-3-METHYL PHENOL, THE
SP1 RECOVERY WAS 100% WITH AN
UPPER LIMIT OF 97%. FOR
2,4 DNT, THE SP1, SPM1, AND SPM2
RECOVERIES WERE 100%, 109.1% WITH
AND UPPER LIMIT OF 96%. ALL OF
THE ABOVE RECOVERIES ARE WITHIN

THE RANGE OF HISTORIC DATA.
FOR ACENAPH, THE % RECOVERIES
WERE 20.0% AND 9.1% FOR THE SPM1
AND SPM2 WITH A LOWER LIMIT OF
46%; ALSO THE RPD WAS 74.9% WITH
AN UPPER LIMIT OF 31%. THE
INTEGRATION OF THESE PEAKS WERE MANUALLY VERIFIED TO BE
CORRECT. FOR 4-NITROPHEN, THE SP1, SPM1, AND SPM2
RECOVERIES WERE 100%, 150%, AND 154.5% WITH AN
UPPER LIMIT OF 80%. FOR PENTACHLOROPHENOL THE
SP1, SPM1, AND SPM2 RECOVERIES WERE 130%, 145.5%
AND 154.5% WITH AN UPPER LIMIT OF 103%. THE
HIGH RECOVERIES FOR ABOVE TWO ANALYTS MAY BE
DUE TO A LOW RF IN THE CONTINUING CALIBRATION
STANDARD.
PROB: SAMPLE MATRIX SPIKE NOT WITHIN ACCEPTANCE
CRITERIA.

ESE BATCH : G49230
EXPL: SAME AS ABOVE.
PROB: SAMPLE MATRIX SPIKE DUPLICATE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL: SAME AS ABOVE.
PROB: SURROGATE NOT WITHIN ACCEPTANCE CRITERIA.
EXPL: FOR MB AND SP1, THE PHENOL-D5 RECOVERY WAS ABOVE THE UPPER LIMIT. IN ADDITION FOR SP1, THE 2,4,6-TBP RECOVERY WAS ABOVE THE UPPER LIMIT. FOR CDMHNSW*13, THE 2-FLUOROPHENOL RECOVERY WE 15% WITH A LOWER LIMIT OF 21%.
CLP CRITERIA ALLOW FOR THE FAILURE OF ONE ACID AND ONE BASE SURROGATE. CLP CRITERIA FOR REANALYSIS DUE TO SURROGATE FAILURES DOES NOT APPLY TO MATRIX SPIKES OR STANDARD SPIKES. /SK 5-17-94 EM 5-18-94/
PROB: THE METHOD BLANK IS NOT FREE OF INTERFERENCES.
EXPL: 10.03 B2EHP
/SK 5-17-94 EM 5-18-94/

ESE BATCH : G49230

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

Organochlorine Pesticides & PCBs

ESE BATCH : G48520
CLASSIFICATION : CHL. PESTS EPA 8080/3520 (CLL)

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

REPORT DATE/TIME : 05/24/94 15:08:21
ANALYSIS DATE : 04/27/94
EXTRACT DATE : 04/26/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*1	WA05-1-EB1	04/28/94	02:18AM

ESE BATCH : G48520

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: 04/27/94 LARGEST RESP=2115712 %RSD=3.9385 RT WINDOW:

CONC :	0	4	20	40	100	200	400
RESP :	0	19458	105234	206378	548764	1032422	2115712
CONC':	-.362	3.38	19.9	39.2	105	197	400
R.T.:		11.1914	11.1890	11.1882	11.1843	11.1812	11.1773

CONC = -3.6161E-01+ 1.9220E-04*RESP+ -1.2942E-12*RESP**2+ *RESP**3
95% C.I.= 3.3200E+00 1.1253E-05 5.2736E-12
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=469852 %RSD=11.3876 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4022	19118	35110	89233	182804	469852
CONC':	-.491	0.757	5.38	10.2	25.6	49.5	100
R.T.:		13.9749	13.9740	13.9744	13.9722	13.9713	13.9692

CONC = -4.9080E-01+ 3.1120E-04*RESP+ -2.0690E-10*RESP**2+ *RESP**3
95% C.I.= 5.9404E-01 1.0279E-05 2.1338E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=498605 %RSD=10.9624 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4194	19998	37452	96029	197209	498605
CONC':	-.391	0.810	5.28	10.1	25.6	49.5	100
R.T.:		15.5964	15.5950	15.5951	15.5944	15.5924	15.5887

CONC = -3.9144E-01+ 2.8707E-04*RESP+ -1.7173E-10*RESP**2+ *RESP**3
95% C.I.= 5.0895E-01 8.2392E-06 1.6141E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=329029 %RSD=8.7500 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3042	14924	27430	68252	130127	329029
CONC':	-.871	0.428	5.44	10.6	26.6	48.6	100
R.T.:		17.4237	17.4231	17.4232	17.4200	17.4179	17.4162

CONC = -8.7119E-01+ 4.2831E-04*RESP+ -3.6869E-10*RESP**2+ *RESP**3
95% C.I.= 1.4104E+00 3.3742E-05 9.9872E-11
CORRELATION COEFFICIENT = .9996

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=595079 %RSD=8.5116 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5648	26740	50313	122146	241445	595079
CONC':	-.743	0.561	5.37	10.6	26.0	49.1	100
R.T.:		16.9129	16.9125	16.9117	16.9108	16.9086	16.9061

CONC = -7.4338E-01+ 2.3154E-04*RESP+ -1.0430E-10*RESP**2+ *RESP**3
95% C.I.= 9.9314E-01 1.3084E-05 2.1455E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=286977 %RSD=4.7732 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2741	14104	26465	66066	125983	286977

ESE BATCH : G48520

CONC':	-.627	0.536	5.32	10.4	26.3	48.8	100
R.T.:		15.9194	15.9176	15.9174	15.9154	15.9118	15.9076

CONC = -6.2709E-01+ 4.2516E-04*RESP+ -2.5787E-10*RESP**2+ *RESP**3
95% C.I.= 1.1387E+00 2.9655E-05 1.0125E-10
CORRELATION COEFFICIENT = .9997

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=704174 %RSD=19.2709 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4471	22724	45266	122170	265191	704174
CONC':	0.133	1.10	5.00	9.71	25.0	50.1	100.0
R.T.:		18.2639	18.2636	18.2636	18.2643	18.2630	18.2626

CONC = 1.3300E-01+ 2.1643E-04*RESP+ -1.0597E-10*RESP**2+ *RESP**3
95% C.I.= 1.8424E-01 2.2126E-06 3.0721E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=627745 %RSD=11.4597 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5083	24584	46558	120922	245991	627745
CONC':	-.372	0.793	5.21	10.1	25.8	49.4	100
R.T.:		20.5809	20.5808	20.5809	20.5802	20.5793	20.5787

CONC = -3.7215E-01+ 2.2983E-04*RESP+ -1.1127E-10*RESP**2+ *RESP**3
95% C.I.= 6.0260E-01 7.7742E-06 1.2094E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=504988 %RSD=10.2535 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4255	20892	39702	98837	194463	504988
CONC':	-.696	0.537	5.29	10.5	26.2	49.0	100
R.T.:		22.0161	22.0153	22.0153	22.0160	22.0136	22.0138

CONC = -6.9558E-01+ 2.9035E-04*RESP+ -1.7970E-10*RESP**2+ *RESP**3
95% C.I.= 1.0748E+00 1.7179E-05 3.3127E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=501999 %RSD=10.9068 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3908	20478	38088	100138	195261	501999
CONC':	-.528	0.591	5.28	10.2	26.5	48.9	100
R.T.:		22.9603	22.9601	22.9598	22.9593	22.9548	22.9540

CONC = -5.2764E-01+ 2.8693E-04*RESP+ -1.7225E-10*RESP**2+ *RESP**3
95% C.I.= 1.0944E+00 1.7517E-05 3.4036E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=557916 %RSD=15.7209 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3973	19606	37749	101196	208223	557916
CONC':	-.212	0.875	5.10	9.89	25.8	49.5	100
R.T.:		23.2469	23.2469	23.2473	23.2481	23.2463	23.2459

CONC = -2.1158E-01+ 2.7404E-04*RESP+ -1.6911E-10*RESP**2+ *RESP**3
95% C.I.= 5.2989E-01 7.9475E-06 1.3894E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=309789 %RSD=21.2821 RT WINDOW:

CONC :	0	1	5	10	25	50	100

ESE BATCH G48520

RESP :	0	3757	12003	23871	59650	117043	309789
CONC':	-.824	0.995	4.94	10.5	26.3	49.0	100
R.T.:		24.2442	24.2406	24.2415	24.2420	24.2368	24.2346

CONC = -8.2442E-01+ 4.8614E-04*RESP+ -5.1769E-10*RESP**2+ *RESP**3
95% C.I.= 1.0823E+00 2.8498E-05 8.9432E-11
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=257167 %RSD=18.4687 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3317	12063	21835	56225	102642	257167
CONC':	-1.08	0.696	5.32	10.4	27.3	48.2	100
R.T.:		24.4838	24.4816	24.4838	24.4807	24.4716	24.4668

CONC = -1.0784E+00+ 5.3686E-04*RESP+ -5.5654E-10*RESP**2+ *RESP**3
95% C.I.= 1.8354E+00 5.5257E-05 2.0909E-10
CORRELATION COEFFICIENT = .9994

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=331995 %RSD=10.8298 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3708	18173	30450	76323	141144	331995
CONC':	-1.04	0.375	5.85	10.4	26.8	48.4	100
R.T.:		24.6548	24.6522	24.6537	24.6515	24.6472	24.6425

CONC = -1.0439E+00+ 3.8350E-04*RESP+ -2.3665E-10*RESP**2+ *RESP**3
95% C.I.= 1.6671E+00 3.7637E-05 1.1067E-10
CORRELATION COEFFICIENT = .9995

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=275068 %RSD=47.4644 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5576	11141	22315	54188	107748	275068
CONC':	-1.15	1.79	4.70	10.4	25.9	49.2	100
R.T.:		25.1572	25.1545	25.1573	25.1530	25.1485	25.1439

CONC = -1.1526E+00+ 5.3188E-04*RESP+ -5.9572E-10*RESP**2+ *RESP**3
95% C.I.= 1.0875E+00 3.1621E-05 1.1168E-10
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=336424 %RSD=10.5255 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2540	16993	32757	83131	149855	336424
CONC':	-.610	0.268	5.23	10.6	27.2	48.1	100
R.T.:		25.4182	25.4165	25.4186	25.4161	25.4094	25.4044

CONC = -6.0957E-01+ 3.4572E-04*RESP+ -1.3666E-10*RESP**2+ *RESP**3
95% C.I.= 1.7586E+00 3.8190E-05 1.1151E-10
CORRELATION COEFFICIENT = .9994

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=309553 %RSD=7.4963 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2547	13635	25791	69438	130099	309553
CONC':	-.460	0.595	5.14	10.0	26.9	48.6	100
R.T.:		25.6979	25.6959	25.6980	25.6947	25.6887	25.6850

CONC = -4.5990E-01+ 4.1472E-04*RESP+ -2.8977E-10*RESP**2+ *RESP**3
95% C.I.= 1.3892E+00 3.4280E-05 1.0852E-10
CORRELATION COEFFICIENT = .9996

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 04/27/94 LARGEST RESP=117408 %RSD=6.2195 RT WINDOW:

ESE BATCH : G48520

CONC :	0	1	5	10	25	50	100
RESP :	0	997	5103	10262	26043	50521	117408
CONC':	-.411	0.654	5.00	10.4	26.2	49.0	100
R.T.:		27.1438	27.1388	27.1425	27.1381	27.1319	27.1249

CONC = -4.1148E-01+ 1.0707E-03*RESP+ -1.8263E-09*RESP**2+ *RESP**3
95% C.I.= 9.5874E-01 6.2117E-05 5.1917E-10
CORRELATION COEFFICIENT = .9998

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=4 DATE: 04/27/94 LARGEST RESP=1658600 %RSD=4.8046 RT WINDOW:

CONC :	0	4	20	40	100	200	400
RESP :	0	16022	80297	154500	407928	723566	1658600
CONC':	-2.64	1.97	20.3	41.2	110	192	401
R.T.:		31.0357	31.0344	31.0392	31.0324	31.0223	31.0176

CONC = -2.6358E+00+ 2.8820E-04*RESP+ -2.7058E-11*RESP**2+ *RESP**3
95% C.I.= 7.8261E+00 3.4738E-05 2.0544E-11
CORRELATION COEFFICIENT = .9993

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 04/27/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G48520

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/28/94	CCS*IND6*1	39337*8080/3520-G	BHC,A	UG/L	470000	480000	102	80-120
04/28/94	CCS*IND6*1	39340*8080/3520-G	BHC,G(LINDANE)	UG/L	499000	510000	102	80-120
04/28/94	CCS*IND6*1	34259*8080/3520-G	BHC,D	UG/L	329000	335000	102	80-120
04/28/94	CCS*IND6*1	39410*8080/3520-G	HEPTACHLOR	UG/L	595000	631000	106	80-120
04/28/94	CCS*IND6*1	39338*8080/3520-G	BHC,B	UG/L	287000	289000	101	80-120
04/28/94	CCS*IND6*1	39330*8080/3520-G	ALDRIN	UG/L	704000	733000	104	80-120
04/28/94	CCS*IND6*1	39420*8080/3520-G	HEPTACHLOR EPOXIDE	UG/L	628000	651000	104	80-120
04/28/94	CCS*IND6*1	34361*8080/3520-G	ENDOSULFAN,A	UG/L	505000	523000	104	80-120
04/28/94	CCS*IND6*1	39320*8080/3520-G	DDE,PP'	UG/L	502000	523000	104	80-120
04/28/94	CCS*IND6*1	39380*8080/3520-G	DIELDRIN	UG/L	558000	586000	105	80-120
04/28/94	CCS*IND6*1	39390*8080/3520-G	ENDRIN	UG/L	310000	329000	106	80-120
04/28/94	CCS*IND6*1	39310*8080/3520-G	DDD,PP'	UG/L	257000	255000	99.2	80-120
04/28/94	CCS*IND6*1	34356*8080/3520-G	ENDOSULFAN,B	UG/L	332000	342000	103	80-120
04/28/94	CCS*IND6*1	39300*8080/3520-G	DDT,PP'	UG/L	275000	292000	106	80-120
04/28/94	CCS*IND6*1	34366*8080/3520-G	ENDRIN ALDEHYDE	UG/L	336000	345000	103	80-120
04/28/94	CCS*IND6*1	34351*8080/3520-G	ENDOSULFAN SULFATE	UG/L	310000	322000	104	80-120
04/28/94	CCS*IND6*1	39480*8080/3520-G	METHOXYCHLOR	UG/L	117000	122000	104	80-120
04/28/94	CCS*IND6*1	39350*8080/3520-G	CHLORDANE	UG/L		T*1		80-120
04/28/94	CCS*IND6*1	39400*8080/3520-G	TOXAPHENE	UG/L		T*1		80-120
04/28/94	CCS*IND6*1	34671*8080/3520-G	PCB-1016	UG/L		T*1		80-120
04/28/94	CCS*IND6*1	39488*8080/3520-G	PCB-1221	UG/L		T*1		80-120
04/28/94	CCS*IND6*1	39492*8080/3520-G	PCB-1232	UG/L		T*1		80-120
04/28/94	CCS*IND6*1	39496*8080/3520-G	PCB-1242	UG/L		T*1		80-120
04/28/94	CCS*IND6*1	39500*8080/3520-G	PCB 1248	UG/L		T*1		80-120
04/28/94	CCS*IND6*1	39504*8080/3520-G	PCB-1254	UG/L		T*1		80-120
04/28/94	CCS*IND6*1	39508*8080/3520-G	PCB-1260	UG/L		T*1		80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
04/28/94	MB*QC*1	39337*8080/3520-G	BHC,A	UG/L	ND
04/28/94	MB*QC*1	39340*8080/3520-G	BHC,G(LINDANE)	UG/L	ND
04/28/94	MB*QC*1	34259*8080/3520-G	BHC,D	UG/L	ND
04/28/94	MB*QC*1	39410*8080/3520-G	HEPTACHLOR	UG/L	ND
04/28/94	MB*QC*1	39338*8080/3520-G	BHC,B	UG/L	ND
04/28/94	MB*QC*1	39330*8080/3520-G	ALDRIN	UG/L	ND
04/28/94	MB*QC*1	39420*8080/3520-G	HEPTACHLOR EPOXIDE	UG/L	ND
04/28/94	MB*QC*1	34361*8080/3520-G	ENDOSULFAN,A	UG/L	ND
04/28/94	MB*QC*1	39320*8080/3520-G	DDE,PP'	UG/L	ND
04/28/94	MB*QC*1	39380*8080/3520-G	DIELDRIN	UG/L	ND
04/28/94	MB*QC*1	39390*8080/3520-G	ENDRIN	UG/L	ND
04/28/94	MB*QC*1	39310*8080/3520-G	DDD,PP'	UG/L	ND
04/28/94	MB*QC*1	34356*8080/3520-G	ENDOSULFAN,B	UG/L	ND
04/28/94	MB*QC*1	39300*8080/3520-G	DDT,PP'	UG/L	ND
04/28/94	MB*QC*1	34366*8080/3520-G	ENDRIN ALDEHYDE	UG/L	ND
04/28/94	MB*QC*1	34351*8080/3520-G	ENDOSULFAN SULFATE	UG/L	ND
04/28/94	MB*QC*1	39480*8080/3520-G	METHOXYCHLOR	UG/L	ND
04/28/94	MB*QC*1	39350*8080/3520-G	CHLORDANE	UG/L	ND
04/28/94	MB*QC*1	39400*8080/3520-G	TOXAPHENE	UG/L	ND
04/28/94	MB*QC*1	34671*8080/3520-G	PCB-1016	UG/L	ND
04/28/94	MB*QC*1	39488*8080/3520-G	PCB-1221	UG/L	ND
04/28/94	MB*QC*1	39492*8080/3520-G	PCB-1232	UG/L	ND
04/28/94	MB*QC*1	39496*8080/3520-G	PCB-1242	UG/L	ND
04/28/94	MB*QC*1	39500*8080/3520-G	PCB 1248	UG/L	ND
04/28/94	MB*QC*1	39504*8080/3520-G	PCB-1254	UG/L	ND
04/28/94	MB*QC*1	39508*8080/3520-G	PCB-1260	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/28/94	SP1*QC*1	39337*8080/3520-G	BHC,A		80-120	UG/L		ND
04/28/94	SP1*QC*1	39340*8080/3520-G	BHC,G(LINDANE)	92.8	43-145	UG/L	0.250	0.232
04/28/94	SP1*QC*1	34259*8080/3520-G	BHC,D		80-120	UG/L		ND
04/28/94	SP1*QC*1	39410*8080/3520-G	HEPTACHLOR	90.4	48-124	UG/L	0.250	0.226
04/28/94	SP1*QC*1	39338*8080/3520-G	BHC,B		80-120	UG/L		ND
04/28/94	SP1*QC*1	39330*8080/3520-G	ALDRIN	88.4	37-127	UG/L	0.250	0.221
04/28/94	SP1*QC*1	39420*8080/3520-G	HEPTACHLOR EPOXIDE		80-120	UG/L		ND
04/28/94	SP1*QC*1	34361*8080/3520-G	ENDOSULFAN,A		80-120	UG/L		ND
04/28/94	SP1*QC*1	39320*8080/3520-G	DDE,PP'		80-120	UG/L		ND
04/28/94	SP1*QC*1	39380*8080/3520-G	DIELDRIN	90.0	56-142	UG/L	0.500	0.450
04/28/94	SP1*QC*1	39390*8080/3520-G	ENDRIN	92.6	35-155	UG/L	0.500	0.463
04/28/94	SP1*QC*1	39310*8080/3520-G	DDD,PP'		80-120	UG/L		ND
04/28/94	SP1*QC*1	34356*8080/3520-G	ENDOSULFAN,B		80-120	UG/L		ND

ESE BATCH : G48520

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
04/28/94	SP1*QC*1	39300*8080/3520-G	DDT, PP'	90.2	46-152	UG/L	0.500	0.451
04/28/94	SP1*QC*1	34366*8080/3520-G	ENDRIN ALDEHYDE		80-120	UG/L		ND
04/28/94	SP1*QC*1	34351*8080/3520-G	ENDOSULFAN SULFATE		80-120	UG/L		ND
04/28/94	SP1*QC*1	39480*8080/3520-G	METHOXYCHLOR		80-120	UG/L		ND
04/28/94	SP1*QC*1	39350*8080/3520-G	CHLORDANE		80-120	UG/L		ND
04/28/94	SP1*QC*1	39400*8080/3520-G	TOXAPHENE		80-120	UG/L		ND
04/28/94	SP1*QC*1	34671*8080/3520-G	PCB-1016		80-120	UG/L		ND
04/28/94	SP1*QC*1	39488*8080/3520-G	PCB-1221		80-120	UG/L		ND
04/28/94	SP1*QC*1	39492*8080/3520-G	PCB-1232		80-120	UG/L		ND
04/28/94	SP1*QC*1	39496*8080/3520-G	PCB-1242		80-120	UG/L		ND
04/28/94	SP1*QC*1	39500*8080/3520-G	PCB 1248		80-120	UG/L		ND
04/28/94	SP1*QC*1	39504*8080/3520-G	PCB-1254		80-120	UG/L		ND
04/28/94	SP1*QC*1	39508*8080/3520-G	PCB-1260		80-120	UG/L		ND

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
04/28/94	MB*QC*1	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.923	92.3	23-109
04/28/94	MB*QC*1	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.894	89.4	31-145
04/28/94	SP1*QC*1	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.937	93.7	23-109
04/28/94	SP1*QC*1	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.750	75.0	31-145
04/28/94	DA*CDMHNSW*1	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.974	97.4	23-109
04/28/94	DA*CDMHNSW*1	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.508	50.8	31-145
04/28/94	CCS*IND6*1	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	2120000	2160000	102	23-109
04/28/94	CCS*IND6*1	96342*SUR	DECACHLOROBIPHENYL	UG/L	1660000	1650000	99.4	31-145

ESE BATCH : G48520

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G48520 Analysis Date: 04/27/94 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		
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?			
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 NOT PRESENT.
EXPL.:NA./GA

ESE BATCH : G48520

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 : G49097
CLASSIFICATION : CHL. PESTS EPA 8080/3520 (CLL)

QC TYPE : FDER/SW
ANALYST : GREG AYOUB
EXTRACTOR : GARY HALL
DATA ENTRY : GREG AYOUB

REPORT DATE/TIME : 05/24/94 15:09:01
ANALYSIS DATE : 05/12/94
EXTRACT DATE : 05/10/94

STATUS : FINAL

METHOD BLANK CORRECTION METHOD : NONE

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*11	WSV2-1-EB2	05/12/94	01:49PM

ESE BATCH : G49097

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: 05/12/94 LARGEST RESP=1741691 %RSD=7.3639 RT WINDOW:

CONC :	0	4	20	40	100	200	400
RESP :	0	14906	80140	161827	449630	896351	1741691
CONC':	1.87	5.08	19.2	36.9	100	201	400
R.T.:		11.041	11.039	11.036	11.033	11.026	11.023

CONC = 1.8654E+00+ 2.1541E-04*RESP+ 7.4850E-12*RESP**2+ *RESP**3
95% C.I.= 2.2209E+00 9.2003E-06 5.2768E-12
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=436636 %RSD=12.0854 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3704	16751	31601	82830	184833	436636
CONC':	0.162	1.29	5.22	9.62	24.2	50.5	99.9
R.T.:		13.807	13.807	13.808	13.807	13.806	13.804

CONC = 1.6170E-01+ 3.0499E-04*RESP+ -1.7520E-10*RESP**2+ *RESP**3
95% C.I.= 6.0226E-01 1.1036E-05 2.4859E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=404496 %RSD=10.7283 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3308	16002	30252	79677	174844	404496
CONC':	0.153	1.21	5.21	9.63	24.4	50.4	99.9
R.T.:		15.420	15.421	15.420	15.420	15.419	15.417

CONC = 1.5316E-01+ 3.1875E-04*RESP+ -1.7811E-10*RESP**2+ *RESP**3
95% C.I.= 4.8383E-01 9.4373E-06 2.2975E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=231163 %RSD=6.4448 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1904	10697	20529	52991	109558	231163
CONC':	0.065	0.977	5.17	9.81	24.9	50.1	100.0
R.T.:		15.748	15.746	15.745	15.745	15.740	15.737

CONC = 6.5231E-02+ 4.7902E-04*RESP+ -2.0241E-10*RESP**2+ *RESP**3
95% C.I.= 1.7217E-01 5.5479E-06 2.3758E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=560868 %RSD=5.8300 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	5530	25868	48319	124429	258129	560868
CONC':	-.098	1.05	5.24	9.82	24.9	50..	100.0
R.T.:		16.731	16.732	16.731	16.730	16.729	16.728

CONC = -9.8219E-02+ 2.0777E-04*RESP+ -5.2262E-11*RESP**2+ *RESP**3
95% C.I.= 1.8429E-01 2.4764E-06 4.3570E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=260744 %RSD=7.9858 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2178	11354	21219	53280	133251	260744

ESE BATCH : G49097

CONC':	-.153	0.911	5.35	10.0	24.8	50.1	100.0
R.T.:		17.245	17.244	17.243	17.242	17.239	17.236

CONC = -1.5273E-01+ 4.8925E-04*RESP+ -4.0335E-10*RESP**2+ *RESP**3
95% C.I.= 2.5805E-01 7.6908E-06 2.8993E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=582082 %RSD=17.0122 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4012	20135	37778	106235	239827	582082
CONC':	0.446	1.39	5.15	9.20	24.3	50.6	99.9
R.T.:		18.074	18.076	18.076	18.075	18.074	18.075

CONC = 4.4569E-01+ 2.3607E-04*RESP+ -1.1197E-10*RESP**2+ *RESP**3
95% C.I.= 7.5390E-01 1.0577E-05 1.7880E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=492420 %RSD=9.5781 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	4186	19991	37566	100181	214387	492420
CONC':	0.078	1.16	5.19	9.61	24.8	50.2	100.0
R.T.:		20.392	20.392	20.391	20.391	20.391	20.390

CONC = 7.7990E-02+ 2.5781E-04*RESP+ -1.1159E-10*RESP**2+ *RESP**3
95% C.I.= 3.0967E-01 4.9135E-06 9.8265E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=412058 %RSD=8.0854 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3614	17552	32581	85978	180304	412058
CONC':	-.057	1.04	5.25	9.72	25.0	50.0	100.0
R.T.:		21.821	21.821	21.822	21.822	21.821	21.820

CONC = -5.7147E-02+ 3.0485E-04*RESP+ -1.5056E-10*RESP**2+ *RESP**3
95% C.I.= 2.1379E-01 4.0165E-06 9.5935E-12
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=372705 %RSD=14.3373 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2480	14334	27592	76589	162848	372705
CONC':	0.283	1.12	5.07	9.43	25.0	50.2	100.0
R.T.:		22.774	22.774	22.775	22.773	22.771	22.770

CONC = 2.8253E-01+ 3.3649E-04*RESP+ -1.8516E-10*RESP**2- *RESP**3
95% C.I.= 3.6977E-01 7.7494E-06 2.0515E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=445056 %RSD=13.2584 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	3593	16627	30748	84568	185122	445056
CONC':	0.291	1.28	5.20	9.38	24.6	50.4	100.0
R.T.:		23.067	23.068	23.069	23.069	23.068	23.067

CONC = 1.9112E-01+ 3.0432E-04*RESP+ -1.8011E-10*RESP**2+ *RESP**3
95% C.I.= 4.8860E-01 8.8348E-06 1.9512E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=280704 %RSD=12.4242 RT WINDOW:

CONC :	0	1	5	10	25	50	100

ESE BATCH : G49097

RESP :	0	2315	10718	19955	53819	120973	280704
CONC':	0.307	1.38	5.23	9.39	24.1	50.7	99.9
R.T.:		24.113	24.108	24.107	24.110	24.107	24.106

CONC = 3.0668E-01+ 4.6303E-04*RESP+ -3.8545E-10*RESP**2+ *RESP**3
95% C.I.= 7.5569E-01 2.1442E-05 7.5278E-11
CORRELATION COEFFICIENT = .9999

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=183952 %RSD=8.3409 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1522	8260	14554	38757	81342	183952
CONC':	-.052	0.970	5.46	9.60	25.0	50.1	100.0
R.T.:		24.360	24.354	24.352	24.354	24.350	24.349

CONC = -5.2491E-02+ 6.7316E-04*RESP+ -7.0289E-10*RESP**2+ *RESP**3
95% C.I.= 3.4259E-01 1.4350E-05 7.6822E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=272013 %RSD=4.9839 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2555	12784	23310	62039	126477	272013
CONC':	-.049	1.02	5.27	9.61	25.2	49.9	100
R.T.:		24.519	24.517	24.515	24.516	24.515	24.513

CONC = -4.8547E-02+ 4.1879E-04*RESP+ -1.8731E-10*RESP**2+ *RESP**3
95% C.I.= 2.9560E-01 8.1305E-06 2.9531E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=211134 %RSD=17.6534 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2580	8838	16382	44049	93422	211134
CONC':	-.056	1.46	5.11	9.45	24.8	50.2	100.0
R.T.:		25.023	25.019	25.017	25.020	25.017	25.016

CONC = -5.5819E-02+ 5.8936E-04*RESP+ -5.4764E-10*RESP**2+ *RESP**3
95% C.I.= 4.3130E-01 1.5803E-05 7.3703E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=316027 %RSD=20.2894 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	1942	12891	23767	45758	133228	316027
CONC':	0.641	1.49	6.24	10.9	19.9	52.1	99.7
R.T.:		25.283	25.271	25.269	25.271	25.268	25.267

CONC = 6.4057E-01+ 4.3955E-04*RESP+ -3.9880E-10*RESP**2+ *RESP**3
95% C.I.= 3.1279E+00 8.3202E-05 2.5917E-10
CORRELATION COEFFICIENT = .9979

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=273807 %RSD=14.7483 RT WINDOW:

CONC :	0	1	5	10	25	50	100
RESP :	0	2984	10971	20501	56162	117730	273807
CONC':	-.045	1.36	5.07	9.44	25.2	50.0	100.0
R.T.:		25.550	25.546	25.545	25.547	25.545	25.544

CONC = -4.4607E-02+ 4.7045E-04*RESP+ -3.8383E-10*RESP**2+ *RESP**3
95% C.I.= 3.8136E-01 1.0894E-05 3.9125E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=1 DATE: 05/12/94 LARGEST RESP=88510 %RSD=8.6527 RT WINDOW:

ESE BATCH : G49097

CONC :	0	1	5	10	25	50	100
RESP :	0	696	3931	7183	19530	40396	88510
CONC':	0.088	1.01	5.27	9.50	25.1	50.0	100.0
R.T.:		26.989	26.984	26.981	26.983	26.980	26.977

CONC = 8.8049E-02+ 1.3259E-03*RESP+ -2.2271E-09*RESP**2+ *RESP**3
95% C.I.= 3.2749E-01 2.8067E-05 3.1327E-10
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1 (UG/L)
DETECTION LIMIT=4 DATE: 05/12/94 LARGEST RESP=1177369 %RSD=5.6455 RT WINDOW:

CONC :	0	4	20	40	100	200	400
RESP :	0	10516	56786	100506	279523	599892	1177369
CONC':	0.260	4.15	21.2	37.2	102	199	400
R.T.:		30.796	30.791	30.785	30.789	30.784	30.781

CONC = 2.6027E-01+ 3.7027E-04*RESP+ -2.6076E-11*RESP**2+ *RESP**3
95% C.I.= 1.9856E+00 1.2476E-05 1.0496E-11
CORRELATION COEFFICIENT = 1.0000

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

CALIBRATION CURVE # 1
DETECTION LIMIT=5 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=100 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

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

CALIBRATION CURVE # 1
DETECTION LIMIT=20 DATE: 05/12/94 LARGEST RESP= %RSD= RT WINDOW:

ESE BATCH : G49097

Continuing Calibration Verification Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/12/94	CCS*IND6*1	39337*8080/3520-G	BHC,A	UG/L	437000	452000	103	80-120
05/12/94	CCS*IND6*1	39340*8080/3520-G	BHC,G(LINDANE)	UG/L	404000	420000	104	80-120
05/12/94	CCS*IND6*1	39338*8080/3520-G	BHC,B	UG/L	231000	237000	103	80-120
05/12/94	CCS*IND6*1	39410*8080/3520-G	HEPTACHLOR	UG/L	561000	578000	103	80-120
05/12/94	CCS*IND6*1	34259*8080/3520-G	BHC,D	UG/L	261000	269000	103	80-120
05/12/94	CCS*IND6*1	39330*8080/3520-G	ALDRIN	UG/L	582000	597000	103	80-120
05/12/94	CCS*IND6*1	39420*8080/3520-G	HEPTACHLOR EPOXIDE	UG/L	492000	506000	103	80-120
05/12/94	CCS*IND6*1	34361*8080/3520-G	ENDOSULFAN,A	UG/L	412000	423000	103	80-120
05/12/94	CCS*IND6*1	39320*8080/3520-G	DDE,PP'	UG/L	373000	387000	104	80-120
05/12/94	CCS*IND6*1	39380*8080/3520-G	DIELDRIN	UG/L	445000	461000	104	80-120
05/12/94	CCS*IND6*1	39390*8080/3520-G	ENDRIN	UG/L	281000	285000	101	80-120
05/12/94	CCS*IND6*1	39310*8080/3520-G	DDD PP'	UG/L	184000	180000	97.8	80-120
05/12/94	CCS*IND6*1	34356*8080/3520-G	ENDOSULFAN,B	UG/L	272000	283000	104	80-120
05/12/94	CCS*IND6*1	39300*8080/3520-G	DDT,PP'	UG/L	211000	217000	103	80-120
05/12/94	CCS*IND6*1	34366*8080/3520-G	ENDRIN ALDEHYDE	UG/L	316000	288000	91.1	80-120
05/12/94	CCS*IND6*1	34351*8080/3520-G	ENDOSULFAN SULFATE	UG/L	274000	274000	100.0	80-120
05/12/94	CCS*IND6*1	39480*8080/3520-G	METHOXYCHLOR	UG/L	88500	87700	99.1	80-120
05/12/94	CCS*IND6*1	39350*8080/3520-G	CHLORDANE	UG/L		T*1		80-120
05/12/94	CCS*IND6*1	39400*8080/3520-G	TOXAPHENE	UG/L		T*1		80-120
05/12/94	CCS*IND6*1	34671*8080/3520-G	PCB-1016	UG/L		T*1		80-120
05/12/94	CCS*IND6*1	39488*8080/3520-G	PCB-1221	UG/L		T*1		80-120
05/12/94	CCS*IND6*1	39492*8080/3520-G	PCB-1232	UG/L		T*1		80-120
05/12/94	CCS*IND6*1	39496*8080/3520-G	PCB-1242	UG/L		T*1		80-120
05/12/94	CCS*IND6*1	39500*8080/3520-G	PCB 1248	UG/L		T*1		80-120
05/12/94	CCS*IND6*1	39504*8080/3520-G	PCB-1254	UG/L		T*1		80-120
05/12/94	CCS*IND6*1	39508*8080/3520-G	PCB-1260	UG/L		T*1		80-120

Method Blank Sample Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	FOUND
05/12/94	MB*QC*1	39337*8080/3520-G	BHC,A	UG/L	ND
05/12/94	MB*QC*1	39340*8080/3520-G	BHC,G(LINDANE)	UG/L	ND
05/12/94	MB*QC*1	39338*8080/3520-G	BHC,B	UG/L	ND
05/12/94	MB*QC*1	39410*8080/3520-G	HEPTACHLOR	UG/L	ND
05/12/94	MB*QC*1	34259*8080/3520-G	BHC,D	UG/L	ND
05/12/94	MB*QC*1	39330*8080/3520-G	ALDRIN	UG/L	ND
05/12/94	MB*QC*1	39420*8080/3520-G	HEPTACHLOR EPOXIDE	UG/L	ND
05/12/94	MB*QC*1	34361*8080/3520-G	ENDOSULFAN,A	UG/L	ND
05/12/94	MB*QC*1	39320*8080/3520-G	DDE,PP'	UG/L	ND
05/12/94	MB*QC*1	39380*8080/3520-G	DIELDRIN	UG/L	ND
05/12/94	MB*QC*1	39390*8080/3520-G	ENDRIN	UG/L	ND
05/12/94	MB*QC*1	39310*8080/3520-G	DDD,PP'	UG/L	ND
05/12/94	MB*QC*1	34356*8080/3520-G	ENDOSULFAN,B	UG/L	ND
05/12/94	MB*QC*1	39300*8080/3520-G	DDT,PP'	UG/L	ND
05/12/94	MB*QC*1	34366*8080/3520-G	ENDRIN ALDEHYDE	UG/L	ND
05/12/94	MB*QC*1	34351*8080/3520-G	ENDOSULFAN SULFATE	UG/L	ND
05/12/94	MB*QC*1	39480*8080/3520-G	METHOXYCHLOR	UG/L	ND
05/12/94	MB*QC*1	39350*8080/3520-G	CHLORDANE	UG/L	ND
05/12/94	MB*QC*1	39400*8080/3520-G	TOXAPHENE	UG/L	ND
05/12/94	MB*QC*1	34671*8080/3520-G	PCB-1016	UG/L	ND
05/12/94	MB*QC*1	39488*8080/3520-G	PCB-1221	UG/L	ND
05/12/94	MB*QC*1	39492*8080/3520-G	PCB-1232	UG/L	ND
05/12/94	MB*QC*1	39496*8080/3520-G	PCB-1242	UG/L	ND
05/12/94	MB*QC*1	39500*8080/3520-G	PCB 1248	UG/L	ND
05/12/94	MB*QC*1	39504*8080/3520-G	PCB-1254	UG/L	ND
05/12/94	MB*QC*1	39508*8080/3520-G	PCB-1260	UG/L	ND

Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/12/94	SP1*QC*1	39337*8080/3520-G	BHC,A		80-120	UG/L		ND
05/12/94	SP1*QC*1	39340*8080/3520-G	BHC,G(LINDANE)	99.2	43-145	UG/L	0.250	0.248
05/12/94	SP1*QC*1	39338*8080/3520-G	BHC,B		80-120	UG/L		ND
05/12/94	SP1*QC*1	39410*8080/3520-G	HEPTACHLOR	87.2	48-124	UG/L	0.250	0.218
05/12/94	SP1*QC*1	34259*8080/3520-G	BHC,D		80-120	UG/L		ND
05/12/94	SP1*QC*1	39330*8080/3520-G	ALDRIN	100.0	37-127	UG/L	0.250	0.250
05/12/94	SP1*QC*1	39420*8080/3520-G	HEPTACHLOR EPOXIDE		80-120	UG/L		ND
05/12/94	SP1*QC*1	34361*8080/3520-G	ENDOSULFAN,A		80-120	UG/L		ND
05/12/94	SP1*QC*1	39320*8080/3520-G	DDE,PP'		80-120	UG/L		ND
05/12/94	SP1*QC*1	39380*8080/3520-G	DIELDRIN	91.4	56-142	UG/L	0.500	0.457
05/12/94	SP1*QC*1	39390*8080/3520-G	ENDRIN	98.4	35-155	UG/L	0.500	0.492
05/12/94	SP1*QC*1	39310*8080/3520-G	DDD,PP'		80-120	UG/L		ND
05/12/94	SP1*QC*1	34356*8080/3520-G	ENDOSULFAN,B		80-120	UG/L		ND

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Standard Matrix Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	%RECV	RECV CRIT	UNITS	TARGET	FOUND
05/12/94	SP1*QC*1	39300*8080/3520-G	DDT,PP'	99.0	46-152	UG/L	0.500	0.495
05/12/94	SP1*QC*1	34366*8080/3520-G	ENDRIN ALDEHYDE		80-120	UG/L		ND
05/12/94	SP1*QC*1	34351*8080/3520-G	ENDOSULFAN SULFATE		80-120	UG/L		ND
05/12/94	SP1*QC*1	39480*8080/3520-G	METHOXYCHLOR		80-120	UG/L		ND
05/12/94	SP1*QC*1	39350*8080/3520-G	CHLORDANE		80-120	UG/L		ND
05/12/94	SP1*QC*1	39400*8080/3520-G	TOXAPHENE		80-120	UG/L		ND
05/12/94	SP1*QC*1	34671*8080/3520-G	PCB-1016		80-120	UG/L		ND
05/12/94	SP1*QC*1	39488*8080/3520-G	PCB-1221		80-120	UG/L		ND
05/12/94	SP1*QC*1	39492*8080/3520-G	PCB-1232		80-120	UG/L		ND
05/12/94	SP1*QC*1	39496*8080/3520-G	PCB-1242		80-120	UG/L		ND
05/12/94	SP1*QC*1	39500*8080/3520-G	PCB 1248		80-120	UG/L		ND
05/12/94	SP1*QC*1	39504*8080/3520-G	PCB-1254		80-120	UG/L		ND
05/12/94	SP1*QC*1	39508*8080/3520-G	PCB-1260		80-120	UG/L		ND

Surrogate Spike Recovery Summary

DATE	SAMPLE	STORET	PARAMETER	UNITS	TARGET	FOUND	%RECV	RECV CRIT
05/12/94	MB*QC*1	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.832	83.2	23-109
05/12/94	MB*QC*1	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.701	70.1	31-145
05/12/94	SP1*QC*1	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.926	92.6	23-109
05/12/94	SP1*QC*1	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	1.14	114	31-145
05/12/94	DA*CDMHNSW*11	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1.00	0.878	87.8	23-109
05/12/94	DA*CDMHNSW*11	96342*SUR	DECACHLOROBIPHENYL	UG/L	1.00	0.761	76.1	31-145
05/12/94	CCS*IND6*1	96472*SUR	TETRACHLORO-M-XYLENE	UG/L	1740000	1770000	102	23-109
05/12/94	CCS*IND6*1	96342*SUR	DECACHLOROBIPHENYL	UG/L	1180000	1170000	99.2	31-145

ESE BATCH : G49097

Environmental Science and Engineering Analytical Services

Computer QC Checks

Batch No.: G49097 Analysis Date: 05/12/91 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		
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?			
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 NOT PRESENT.
EXPL.:NA./GA

ESE BATCH : G49097

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

Dilution Factor Report

SAMPLE	SITE ID	ANALYTE	DIL	BATCH
CDMHNSS*1	WA20-1-04	DDE,PP'	5	G48370
		DDT,PP'	5	
CDMHNSS*4	WA19-2-07	HYDROCARBONS,PETROL	50	G48314
		DDT,PP'	5	G48370
		PHENOL	20	G48389
		BIS(2-CHLOROETHYL)	20	
		2-CHLOROPHENOL	20	
		1,3-DICHLOROBENZENE	20	
		1,4-DICHLOROBENZENE	20	
		1,2-DICHLOROBENZENE	20	
		BENZYL ALCOHOL	20	
		2-METHYLPHENOL	20	
		4-METHYLPHENOL	20	
		BIS(2-CHL'ISOPROPYL)	20	
		N-NITROSODI-N-PROPYL	20	
		HEXACHLOROETHANE	20	
		NITROBENZENE	20	
		ISOPHORONE	20	
		2-NITROPHENOL	20	
		2,4-DIMETHYLPHENOL	20	
		BENZOIC ACID	20	
		BIS(2-CHLOROETHOXY)	20	
		2,4-DICHLOROPHENOL	20	
		1,2,4-TRICH'BENZENE	20	
		NAPHTHALENE	20	
		4-CHLOROANILINE	20	
		HEXACHLOROBUTADIENE	20	
		4-CHLORO-3-METHYL	20	
		2-METHYLNAPHTHALENE	20	
		HEXACHLOROCYCLOPENTA	20	
		2,4,6-TRICH'PHENOL	20	
		2,4,5-TRICH'PHENOL	20	
		2-CHLORONAPHTHALENE	20	
		2-NITROANILINE	20	
		DIMETHYL PHTHALATE	20	
		ACENAPHTHYLENE	20	
		2,6-DINITROTOLUENE	20	
		3-NITROANILINE	20	
		ACENAPHTHENE	20	
		2,4-DINITROPHENOL	20	
		4-NITROPHENOL	20	
		DIBENZOFURAN	20	
		2,4-DINITROTOLUENE	20	
		DIETHYL PHTHALATE	20	
		4-CHLOROPHENYLPHENYL	20	
		FLUORENE	20	
		4-NITROANILINE	20	
		N-NITROSODIPHE'AMINE	20	
		2-METHYL-4,6-DINITRO	20	
		4-BROMOPHENYL PHENYL	20	
		HEXACHLOROBENZENE	20	
		PENTACHLOROPHENOL	20	
		PHENANTHRENE	20	
		ANTHRACENE	20	
		DI-N-BUTYL PHTHALATE	20	
		FLUORANTHENE	20	

SAMPLE	SITE ID	ANALYTE	DIL	BATCH
		PYRENE	20	
		BUTYLBENZYLPHTHALATE	20	
		3,3-DICHL'BENZIDINE	20	
		BENZO(A)ANTHRACENE	20	
		CHRYSENE	20	
		BIS(2-ETHYLHEXYL)	20	
		DI-N-OCTYL PHTHALATE	20	
		BENZO(B)FLUORANTHENE	20	
		BENZO(K)FLUORANTHENE	20	
		BENZO(A)PYRENE	20	
		INDENO(1,2,3-CD)	20	
		DIBEN(A,H)ANTH'CENE	20	
		BENZO(GHI)PERYLENE	20	
CDMHNSS*5	WA19-3-05	DDE,PP'	5	G48401
		DDT,PP'	5	
CDMHNSS*6	WA19-4-05	DDE,PP'	5	G48401
		DDT,PP'	5	
CDMHNSS*7	WA17-1-03	PHENOL	100	G48396
		BIS(2-CHLOROETHYL)	100	
		2-CHLOROPHENOL	100	
		1,3-DICHLOROBENZENE	100	
		1,4-DICHLOROBENZENE	100	
		1,2-DICHLOROBENZENE	100	
		BENZYL ALCOHOL	100	
		2-METHYLPHENOL	100	
		4-METHYLPHENOL	100	
		BIS(2-CHL'ISOPROPYL)	100	
		N-NITROSODI-N-PROPYL	100	
		HEXACHLOROETHANE	100	
		NITROBENZENE	100	
		ISOPHORONE	100	
		2-NITROPHENOL	100	
		2,4-DIMETHYLPHENOL	100	
		BENZOIC ACID	100	
		BIS(2-CHLOROETHOXY)	100	
		2,4-DICHLOROPHENOL	100	
		1,2,4-TRICH'BENZENE	100	
		NAPHTHALENE	100	
		4-CHLOROANILINE	100	
		HEXACHLOROBUTADIENE	100	
		4-CHLORO-3-METHYL	100	
		2-METHYLNAPHTHALENE	100	
		HEXACHLOROCYCLOPENTA	100	
		2,4,6-TRICH'PHENOL	100	
		2,4,5-TRICH'PHENOL	100	
		2-CHLORONAPHTHALENE	100	
		2-NITROANILINE	100	
		DIMETHYL PHTHALATE	100	
		ACENAPHTHYLENE	100	
		2,6-DINITROTOLUENE	100	
		3-NITROANILINE	100	
		ACENAPHTHENE	100	
		2,4-DINITROPHENOL	100	
		4-NITROPHENOL	100	
		DIBENZOFURAN	100	
		2,4-DINITROTOLUENE	100	

SAMPLE	SITE ID	ANALYTE	DIL	BATCH
		DIETHYL PHTHALATE	100	
		4-CHLOROPHENYLPHENYL	100	
		FLUORENE	100	
		4-NITROANILINE	100	
		N-NITROSODIPHE'AMINE	100	
		2-METHYL-4,6-DINITRO	100	
		4-BROMOPHENYL PHENYL	100	
		HEXACHLOROBENZENE	100	
		PENTACHLOROPHENOL	100	
		PHENANTHRENE	100	
		ANTHRACENE	100	
		DI-N-BUTYL PHTHALATE	100	
		FLUORANTHENE	100	
		PYRENE	100	
		BUTYLBENZYLPHTHALATE	100	
		3,3-DICHL'BENZIDINE	100	
		BENZO(A)ANTHRACENE	100	
		CHRYSENE	100	
		BIS(2-ETHYLHEXYL)	100	
		DI-N-OCTYL PHTHALATE	100	
		BENZO(B)FLUORANTHENE	100	
		BENZO(K)FLUORANTHENE	100	
		BENZO(A)PYRENE	100	
		INDENO(1,2,3-CD)	100	
		DIBEN(A,H)ANTH'CENE	100	
		BENZO(GHI)PERYLENE	100	
		HYDROCARBONS,PETROL	200	G48406
		ARSENIC	5	G48412
		TETRACHLORO-M-XYLENE	50	G48428
		BHC,A	10	
		BHC,G(LINDANE)	10	
		BHC,D	10	
		HEPTACHLOR	10	
		BHC,B	10	
		ALDRIN	10	
		HEPTACHLOR EPOXIDE	10	
		ENDOSULFAN,A	10	
		DDE,PP'	10	
		DIELDRIN	10	
		ENDRIN	10	
		DDD,PP'	10	
		ENDOSULFAN,B	10	
		DDT,PP'	50	
		ENDRIN ALDEHYDE	10	
		ENDOSULFAN SULFATE	10	
		METHOXYCHLOR	10	
		DECACHLOROBIPHENYL	50	
		CHLORDANE	10	
		TOXAPHENE	10	
CDMHNSS*8	WA16-1-02	PHENOL	100	G48396
		BIS(2-CHLOROETHYL)	100	
		2-CHLOROPHENOL	100	
		1,3-DICHLOROBENZENE	100	
		1,4-DICHLOROBENZENE	100	
		1,2-DICHLOROBENZENE	100	
		BENZYL ALCOHOL	100	

SAMPLE	SITE ID	ANALYTE	DIL	BATCH
		2-METHYLPHENOL	100	
		4-METHYLPHENOL	100	
		BIS(2-CHL'ISOPROPYL)	100	
		N-NITROSODI-N-PROPYL	100	
		HEXACHLOROETHANE	100	
		NITROBENZENE	100	
		ISOPHORONE	100	
		2-NITROPHENOL	100	
		2,4-DIMETHYLPHENOL	100	
		BENZOIC ACID	100	
		BIS(2-CHLOROETHOXY)	100	
		2,4-DICHLOROPHENOL	100	
		1,2,4-TRICH'BENZENE	100	
		NAPHTHALENE	100	
		4-CHLOROANILINE	100	
		HEXACHLOROBUTADIENE	100	
		4-CHLORO-3-METHYL	100	
		2-METHYLNAPHTHALENE	100	
		HEXACHLOROCYCLOPENTA	100	
		2,4,6-TRICH'PHENOL	100	
		2,4,5-TRICH'PHENOL	100	
		2-CHLORONAPHTHALENE	100	
		2-NITROANILINE	100	
		DIMETHYL PHTHALATE	100	
		ACENAPHTHYLENE	100	
		2,6-DINITROTOLUENE	100	
		3-NITROANILINE	100	
		ACENAPHTHENE	100	
		2,4-DINITROPHENOL	100	
		4-NITROPHENOL	100	
		DIBENZOFURAN	100	
		2,4-DINITROTOLUENE	100	
		DIETHYL PHTHALATE	100	
		4-CHLOROPHENYLPHENYL	100	
		FLUORENE	100	
		4-NITROANILINE	100	
		N-NITROSODIPHE'AMINE	100	
		2-METHYL-4,6-DINITRO	100	
		4-BROMOPHENYL PHENYL	100	
		HEXACHLOROBENZENE	100	
		PENTACHLOROPHENOL	100	
		PHENANTHRENE	100	
		ANTHRACENE	100	
		DI-N-BUTYL PHTHALATE	100	
		FLUORANTHENE	100	
		PYRENE	100	
		BUTYLBENZYLPHTHALATE	100	
		3,3-DICHL'BENZIDINE	100	
		BENZO(A)ANTHRACENE	100	
		CHRYSENE	100	
		BIS(2-ETHYLHEXYL)	100	
		DI-N-OCTYL PHTHALATE	100	
		BENZO(B)FLUORANTHENE	100	
		BENZO(K)FLUORANTHENE	100	
		BENZO(A)PYRENE	100	
		INDENO(1,2,3-CD)	100	

SAMPLE	SITE ID	ANALYTE	DIL	BATCH
		DIBEN(A,H)ANTH'CENE	100	
		BENZO(GHI)PERYLENE	100	
		HYDROCARBONS,PETROL	100	G48406
CDMHNSS*10	WA07-1-01	DDE,PP'	50	G48533
		DDD,PP'	5000	
		DDT,PP'	5000	
		CHLORDANE	5000	
CDMHNSS*13	WA05-2-03	PHENOL	10	G48567
		BIS(2-CHLOROETHYL)	10	
		2-CHLOROPHENOL	10	
		1,3-DICHLOROBENZENE	10	
		1,4-DICHLOROBENZENE	10	
		1,2-DICHLOROBENZENE	10	
		BENZYL ALCOHOL	10	
		2-METHYLPHENOL	10	
		4-METHYLPHENOL	10	
		BIS(2-CHL'ISOPROPYL)	10	
		N-NITROSODI-N-PROPYL	10	
		HEXACHLOROETHANE	10	
		NITROBENZENE	10	
		ISOPHORONE	10	
		2-NITROPHENOL	10	
		2,4-DIMETHYLPHENOL	10	
		BENZOIC ACID	10	
		BIS(2-CHLOROETHOXY)	10	
		2,4-DICHLOROPHENOL	10	
		1,2,4-TRICH'BENZENE	10	
		NAPHTHALENE	10	
		4-CHLOROANILINE	10	
		HEXACHLOROBUTADIENE	10	
		4-CHLORO-3-METHYL	10	
		2-METHYLNAPHTHALENE	10	
		HEXACHLOROCYCLOPENTA	10	
		2,4,6-TRICH'PHENOL	10	
		2,4,5-TRICH'PHENOL	10	
		2-CHLORONAPHTHALENE	10	
		2-NITROANILINE	10	
		DIMETHYL PHTHALATE	10	
		ACENAPHTHYLENE	10	
		2,6-DINITROTOLUENE	10	
		3-NITROANILINE	10	
		ACENAPHTHENE	10	
		2,4-DINITROPHENOL	10	
		4-NITROPHENOL	10	
		DIBENZOFURAN	10	
		2,4-DINITROTOLUENE	10	
		DIETHYL PHTHALATE	10	
		4-CHLOROPHENYLPHENYL	10	
		FLUORENE	10	
		4-NITROANILINE	10	
		N-NITROSODIPHE'AMINE	10	
		2-METHYL-4,6-DINITRO	10	
		4-BROMOPHENYL PHENYL	10	
		HEXACHLOROBENZENE	10	
		PENTACHLOROPHENOL	10	
		PHENANTHRENE	10	

SAMPLE	SITE ID	ANALYTE	DIL	BATCH
		ANTHRACENE	10	
		DI-N-BUTYL PHTHALATE	10	
		FLUORANTHENE	10	
		PYRENE	10	
		BUTYLBENZYLPHTHALATE	10	
		3,3-DICHL'BENZIDINE	10	
		BENZO(A)ANTHRACENE	10	
		CHRYSENE	10	
		BIS(2-ETHYLHEXYL)	10	
		DI-N-OCTYL PHTHALATE	10	
		BENZO(B)FLUORANTHENE	10	
		BENZO(K)FLUORANTHENE	10	
		BENZO(A)PYRENE	10	
		INDENO(1,2,3-CD)	10	
		DIBEN(A,H)ANTH'CENE	10	
		BENZO(GHI)PERYLENE	10	
CDMHNSS*15	WA04-1-05	HYDROCARBONS,PETROL	10	G48569
CDMHNSS*16	WA04-2-12	DDE,PP'	10	G48561
		DDD,PP'	10	
		DDT,PP'	10	
CDMHNSS*17	EA14-1-01	DDE,PP'	100	G48654
		DDD,PP'	100	
		DDT,PP'	1000	
		ARSENIC	2	G48701
CDMHNSS*18	EA14-2-01	DDE,PP'	100	G48654
		DDD,PP'	100	
		DDT,PP'	100	
		ARSENIC	2	G48701
CDMHNSS*19	EA12-1-10	DDE,PP'	100	G48654
		DDD,PP'	100	
		DDT,PP'	100	
		ARSENIC	2	G48701
CDMHNSS*20	EA12-2-12	DDE,PP'	10	G48654
		DDT,PP'	10	
		ARSENIC	2	G48701
CDMHNSS*22	EA01-1-10	HYDROCARBONS,PETROL	100	G48781
		TETRACHLORO-M-XYLENE	10	G48806
		DDE,PP'	1000	
		DDD,PP'	00000	
		DDT,PP'	00000	
		DECACHLOROBIPHENYL	10	
		PHENOL	10	G48825
		BIS(2-CHLOROETHYL)	10	
		2-CHLOROPHENOL	10	
		1,3-DICHLOROBENZENE	10	
		1,4-DICHLOROBENZENE	10	
		1,2-DICHLOROBENZENE	10	
		BENZYL ALCOHOL	10	
		2-METHYLPHENOL	10	
		4-METHYLPHENOL	10	
		BIS(2-CHL'ISOPROPYL)	10	
		N-NITROSODI-N-PROPYL	10	
		HEXACHLOROETHANE	10	
		NITROBENZENE	10	
		ISOPHORONE	10	
		2-NITROPHENOL	10	

SAMPLE	SITE ID	ANALYTE	DIL	BATCH
		2,4-DIMETHYLPHENOL	10	
		BENZOIC ACID	10	
		BIS(2-CHLOROETHOXY)	10	
		2,4-DICHLOROPHENOL	10	
		1,2,4-TRICH'BENZENE	10	
		4-CHLOROANILINE	10	
		HEXACHLOROBUTADIENE	10	
		4-CHLORO-3-METHYL	10	
		HEXACHLOROCYCLOPENTA	10	
		2,4,6-TRICH'PHENOL	10	
		2,4,5-TRICH'PHENOL	10	
		2-CHLORONAPHTHALENE	10	
		2-NITROANILINE	10	
		DIMETHYL PHTHALATE	10	
		ACENAPHTHYLENE	10	
		2,6-DINITROTOLUENE	10	
		3-NITROANILINE	10	
		ACENAPHTHENE	10	
		2,4-DINITROPHENOL	10	
		4-NITROPHENOL	10	
		DIBENZOFURAN	10	
		2,4-DINITROTOLUENE	10	
		DIETHYL PHTHALATE	10	
		4-CHLOROPHENYLPHENYL	10	
		FLUORENE	10	
		4-NITROANILINE	10	
		N-NITROSODIPHE'AMINE	10	
		2-METHYL-4,6-DINITRO	10	
		4-BROMOPHENYL PHENYL	10	
		HEXACHLOROBENZENE	10	
		PENTACHLOROPHENOL	10	
		ANTHRACENE	10	
		DI-N-BUTYL PHTHALATE	10	
		FLUORANTHENE	10	
		BUTYLBENZYLPHTHALATE	10	
		3,3-DICHL'BENZIDINE	10	
		BENZO(A)ANTHRACENE	10	
		CHRYSENE	10	
		BIS(2-ETHYLHEXYL)	10	
		DI-N-OCTYL PHTHALATE	10	
		BENZO(B)FLUORANTHENE	10	
		BENZO(K)FLUORANTHENE	10	
		BENZO(A)PYRENE	10	
		INDENO(1,2,3-CD)	10	
		DIBEN(A,H)ANTH'CENE	10	
		BENZO(GHI)PERYLENE	10	
CDMHNSS*24	EBG1-1-02	ARSENIC	5	G48832
CDMHNSS*25	ESV1-1-01	ARSENIC	5	G48832
		DDE,PP'	100	G48837
		DDD,PP'	10	
		DDT,PP'	100	
CDMHNSS*26	WBG2-1-02	ARSENIC	5	G48832
CDMHNSS*27	WBG2-2-02	ARSENIC	5	G48832
CDMHNSS*32	EWC1-1-00	TETRACHLORO-M-XYLENE	10	G48847
		DDE,PP'	10	
		DDD,PP'	10	

SAMPLE	SITE ID	ANALYTE	DIL	BATCH
		DDT,PP'	10	
		DECACHLOROBIPHENYL	10	
		PHENOL	20	G48891
		BIS(2-CHLOROETHYL)	20	
		2-CHLOROPHENOL	20	
		1,3-DICHLOROBENZENE	20	
		1,4-DICHLOROBENZENE	20	
		1,2-DICHLOROBENZENE	20	
		BENZYL ALCOHOL	20	
		2-METHYLPHENOL	20	
		4-METHYLPHENOL	20	
		BIS(2-CHL'ISOPROPYL)	20	
		N-NITROSODI-N-PROPYL	20	
		HEXACHLOROETHANE	20	
		NITROBENZENE	20	
		ISOPHORONE	20	
		2-NITROPHENOL	20	
		2,4-DIMETHYLPHENOL	20	
		BENZOIC ACID	20	
		BIS(2-CHLOROETHOXY)	20	
		2,4-DICHLOROPHENOL	20	
		1,2,4-TRICH'BENZENE	20	
		4-CHLOROANILINE	20	
		HEXACHLOROBUTADIENE	20	
		4-CHLORO-3-METHYL	20	
		HEXACHLOROCYCLOPENTA	20	
		2,4,6-TRICH'PHENOL	20	
		2,4,5-TRICH'PHENOL	20	
		2-CHLORONAPHTHALENE	20	
		2-NITROANILINE	20	
		DIMETHYL PHTHALATE	20	
		ACENAPHTHYLENE	20	
		2,6-DINITROTOLUENE	20	
		3-NITROANILINE	20	
		2,4-DINITROPHENOL	20	
		4-NITROPHENOL	20	
		2,4-DINITROTOLUENE	20	
		DIETHYL PHTHALATE	20	
		4-CHLOROPHENYLPHENYL	20	
		4-NITROANILINE	20	
		N-NITROSODIPHE'AMINE	20	
		2-METHYL-4,6-DINITRO	20	
		4-BROMOPHENYL PHENYL	20	
		HEXACHLOROBENZENE	20	
		PENTACHLOROPHENOL	20	
		DI-N-BUTYL PHTHALATE	20	
		BUTYLBENZYLPHTHALATE	20	
		3,3-DICHL'BENZIDINE	20	
		BIS(2-ETHYLHEXYL)	20	
		DI-N-OCTYL PHTHALATE	20	
		INDENO(1,2,3-CD)	20	
		DIBEN(A,H)ANTH'CENE	20	
		BENZO(GHI)PERYLENE	20	
CDMHNSS*33	WWC2-1-00	DDT,PP'	10	G48847
CDMHNSS*34	EA01-2-05	DDE,PP'	1000	G49161
		DIELDRIN	1000	

SAMPLE	SITE ID	ANALYTE	DIL	BATCH
		DDD,PP'	10000	
		DDT,PP'	10000	
		HYDROCARBONS,PETROL	32	G49238
CDMHNSS*35	EA01-3-05	DDE,PP'	1000	G49161
		DIELDRIN	1000	
		DDD,PP'	10000	
		DDT,PP'	00000	
		HYDROCARBONS,PETROL	40	G49238
CDMHNSS*36	EA01-4-14	ARSENIC	2	G49191
		4,4'-DDT	20	G49216

Tentatively Identified Compounds

Volatile Organic Compounds

CDMHNSS # 1, 2, 3, 4 7/22/94

Ed. There were no unknowns found for these Samples.

Thank you,
Yael

VOAS

CDMHNSS-5
>99408

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received: 4/22/94

% Moisture: not dec. Date Analyzed: 4/22/94

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.	124185	Decane	20.32	14.00	94
3.		unknown	20.91	4.00	
4.		unknown	20.97	5.00	
5.		unknown	21.48	4.00	
6.		unknown	22.40	3.00	
7.	1120214	Undecane	22.69	17.00	93
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

COMHNSS + 6
>99411

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received: 4/22/94

% Moisture: not dec. Date Analyzed: 4/22/94

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.		Unknown	18.87	3.00	
3.	124185	Decane	20.30	14.00	93
4.		Unknown	20.90	5.00	
5.		unknown	20.98	4.00	
6.		unknown	21.45	4.00	
7.		unknown	22.39	3.00	
8.	1120214	Undecane	22.68	16.00	95
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

COMHNSS # 7
>99417

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: COMHNSS # 7

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >99417

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 4/25/94

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.		Unknown	15.01	19.00	
3.	1347826	Heptane, 2,2,4,6,6-pentamethyl	22.24	7.00	79
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
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25.					
26.					
27.					
28.					
29.					
30.					

1D

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMHN558

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed:

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		NO TICS WERE FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

5/24/99

1D

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMAN55X9

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed:

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		NO TICS WERE FOUND			
2.					
3.					
4.				5/24/99	
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMHN55*10

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed:

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		NO TICS WERE FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
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26.					
27.					
28.					
29.					
30.					

5/24/99

1005

1E

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMANSS#11

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed:

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		NO TICS WERE FOUND			
2.					
3.					
4.				5/24/99	
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

CDMHNSS #12
>99432

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMHNSS #12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >99432

Level: (low/med) LOW Date Received: 4/26/94

% Moisture: not dec. Date Analyzed: 4/26/94

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	21.47	4.00	
2.	62237972	Decane, 2,2,6-trimethyl	21.99	6.00	70
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: SAS No: SDG No :

Matrix: (soil/water) soil Lab Sample ID: **CDMHNSS*13**

Sample wt/vol: 5 (g/ml) g Lab File ID: >99446

Level: (low/med) low Date Received:

% Moisture : not dec. Date Analyzed:

Column: CAP Dilution Factor: 1.00

Nunber TICs found:

CONCENTRATION UNITS :
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
-	Unknown #3	13.86	6.9	-
90120	Naphthalene, 1-methyl-	21.33	66.0	96
-	Unknown #5	22.05	6.0	-
-	Naphthalene ? (C11H10)	22.44	150.0	-
629594	Tetradecane	23.68	70.0	95
-	Benzene, -ethyl, -dimethyl, ? (C10H14)	25.02	6.0	-
92524	1,1'- Biphenyl,	25.94	19.0	95
6975980	Decane, 2-methyl-	27.23	22.0	66

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: SAS No: SDG No :

Matrix: (soil/water) soil Lab Sample ID: **CDMHNSS*14**

Sample wt/vol: 5 (g/ml) g Lab File ID: >99447

Level: (low/med) low Date Received:

% Moisture : not dec. Date Analyzed:

Column: CAP Dilution Factor: 1.00

Nunber TICs found:

CONCENTRATION UNITS :
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
-	Naphthalene, dimethyl-	18.94	43.0	-
-	Naphthalene, dimethyl-	19.47	19.0	-
-	Unknown #5	21.39	9.0	-
629629	Pentadecane	21.54	7.0	88
569415	Naphthalene, 1,8-dimethyl-	22.29	13.0	97
124196	Nonanal	23.73	4.0	79
643936	1,1'-Biphenyl, 3-methyl-	25.28	9.0	75
112312	Decanal	26.45	4.0	47

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: SAS No: SDG No :

Matrix: (soil/water) soil Lab Sample ID: **CDMHNSS*15**

Sample wt/vol: 5 (g/ml) g Lab File ID: >99445

Level: (low/med) low Date Received:

% Moisture : not dec. Date Analyzed:

Column: CAP Dilution Factor: 1.00

Nunber TICs found:

CONCENTRATION UNITS : (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
17302282	Nonane, 2,6-dimethyl-	20.85	370	89
17302328	Nonane, 3,7-dimethyl-	21.28	370	77
-	Cyclohexane ? (C10H20)	21.45	230	-
-	1,1-Dimethyl-2-Propylcyclohexane	21.98	290	93
-	Unknown #5	22.35	260	-
1120214	Undecane	22.63	360	96
-	Unknown #7	23.31	210	-
-	Benzene, -ethyl, -dimethyl- ? (C10H14)	23.90	260	-
112403	Dodecane	25.01	280	93
6044719	Dodecane, 6-methyl-	25.42	220	95

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: SAS No: SDG No :

Matrix: (soil/water) soil Lab Sample ID: **CDMHNSS*16**

Sample wt/vol: 5 (g/ml) g Lab File ID: >99441

Level: (low/med) low Date Received:

% Moisture : not dec. Date Analyzed:

Column: CAP Dilution Factor: 1.00

Nunber TICs found:

CONCENTRATION UNITS :
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
2847725	Decane, 4-methyl-	20.85	28	95
17302328	Nonane, 3,7-dimethyl-	21.28	19	71
-	1,1-Dimethyl-2-Propylcyclohexane	21.98	17	94
1758889	Benzene, 2-ethyl-1,4-dimethyl-	22.37	16	70
1120214	Undecane	22.65	33	95
-	Unknown #7	22.96	15	-
-	Benzene, -ethyl, -dimethyl- ? (C10H14)	23.92	23	-
112403	Dodecane	25.03	25	92
6044719	Dodecane, 6-methyl-	25.44	22	79

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMHN55#17

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed:

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		NO TICS WERE FOUND			
2.					
3.					
4.				5/24/99	
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMHN55*18

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed:

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		NO TICS WERE FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

5/24/99

>99494
CIDMHNSS # 19

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received: 3 4/29/94

% Moisture: not dec. Date Analyzed: 5/2/94

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.		Unknown	20.34	5.00	
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

>99488
CDM HNSS * 20

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID:

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received: 4/29/94

% Moisture: not dec. Date Analyzed: 5/2/94

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	11.59	3.00	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Environmental Science and Engineering

Unknown Compounds Quantitation Report

Data file : /chem/v89instL.i/may05a.b/v89a03498.d
Lab. Id. : COMHNSS*21
Inj Date : 05-MAY-1994 12:54 Autotune Date: 01-Apr-94 10:45:2
Operator : Larry Shroads Inst ID: v89instL.i
Smp Info : COMHNSS*21
Misc Info :
Comment : Detv24 Survs24
Method : /chem/v89instL.i/may05a.b/vmeth390.m
Meth Date : 05-May-1994 15:46 user1
Cal Date : 05-MAY-94 09:39 Cal File: v89a03493.d
Als bottle: 2
Dil Factor: 1.000 Target Version: Target 2.20
Integrator: HP RTE Compound Sublist: all.sub
Sample Type: SOIL
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 12 Bromochloromethane	8.435	1049885	50.000

RT	AREA	CONC(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	QUANT CPND

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Cdmhnss*22

Lab Name: ESE Contract:

Lab Code: ESE Case No.: SAS No: SDG No :

Matrix: (soil/water) soil Lab Sample ID:

Sample wt/vol: 5 (g/ml) g Lab File ID: >99508

Level: (low/med) low Date Received:

% Moisture : not dec. Date Analyzed: 05-03-94

Column: ~~PACK~~ Capillary Dilution Factor: 1.00

Nunber TICs found: 10 CONCENTRATION UNITS : (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
575371	Naphthalene, 1-7-dimethyl-?	19.16	270.00	97
90120	Naphthalene, 1-methyl-	21.42	92.00	93
934747	Benzene, 1-ethyl-3,5,dimethyl-?	22.38	300.00	68
61142709	Cyclohexane, 2,4-dimethyl-1-methyl-?	22.75	84.00	70
629594	Tetradecane	23.69	140.00	79
99876	Benzene, 1-methyl-4-(1-methylethyl)-	23.94	61.00	88
	Unknown	25.04	110.00	
	Unknown	26.00	100.00	
54676390	Cyclohexane, 2-butyl-1,1,3-trimethyl-?	26.52	180.00	74
	Unknown	27.28	110.00	

Environmental Science and Engineering

Unknown Compounds Quantitation Report

Data file : /chem/v89instL.i/may04a.b/v89a03489.d
Lab. Id. : COMHNSS*23
Inj Date : 04-MAY-94 16:50 Autotune Date: 01-Apr-94 10:45:2
Operator : Larry Shroads Inst ID: v89instL.i
Smp Info : COMHNSS*23
Misc Info :
Comment : Detv06 Survs6
Method : /chem/v89instL.i/may04a.b/vmethLM19.m
Meth Date : 13-May-1994 12:21 user1
Cal Date : 04-MAY-1994 14:20 Cal File: v89a03486.d
Als bottle: 1
Dil Factor: 1.000 Target Version: Target 2.20
Integrator: HP RTE Compound Sublist: all.sub
Sample Type: SOIL
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 16 Bromochloromethane	8.410	1061796	50.000

RT	AREA	CONC(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	QUANT CPND

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: SAS No: SDG No :

Matrix: (soil/water) soil Lab Sample ID: **CDMHNSS*24**

Sample wt/vol: 5 (g/ml) g Lab File ID: >99540

Level: (low/med) low Date Received:

% Moisture : not dec. Date Analyzed:

Column: CAP Dilution Factor: 1.00

Number TICs found:

CONCENTRATION UNITS :
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
	Trichlorofluoromethane	5.38	5.13	

FORM I VOA-TIC 1/87 Rev.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: SAS No: SDG No :

Matrix: (soil/water) soil Lab Sample ID: **CDMHNSS*25**

Sample wt/vol: 5 (g/ml) g Lab File ID: >99541

Level: (low/med) low Date Received:

% Moisture : not dec. Date Analyzed:

Column: CAP Dilution Factor: 1.00

Number TICs found: CONCENTRATION UNITS : (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
	Trichlorofluoromethane	5.36	3.17	

FORM I VOA-TIC 1/87 Rev.

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: SAS No: SDG No :

Matrix: (soil/water) soil Lab Sample ID: **CDMHNSS*26**

Sample wt/vol: 5 (g/ml) g Lab File ID: >99542

Level: (low/med) low Date Received:

% Moisture : not dec. Date Analyzed:

Column: CAP Dilution Factor: 1.00

Number TICs found:

CONCENTRATION UNITS :
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
	Trichlorofluoromethane	5.38	3.53	

FORM I VOA-TIC 1/87 Rev.

001021

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: SAS No: SDG No :

Matrix: (soil/water) soil Lab Sample ID: **CDMHNSS*27**

Sample wt/vol: 5 (g/ml) g Lab File ID: >99533

Level: (low/med) low Date Received:

% Moisture : not dec. Date Analyzed:

Column: CAP Dilution Factor: 1.00

Number TICs found:

CONCENTRATION UNITS :
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
	Trichlorofluoromethane	5.32	6.8	

FORM I VOA-TIC 1/87 Rev.

001022

PROCEDURE: FILTER/TIC DIAGNOSTIC REPORT 5/09/94 19:54:33

DATA FILE: 05099405

CDMidNSS #28

FILTER SCAN PARAMETERS

MAX. NUMBER TICS:	20
11-TABLE ENTRIES:	473
SCAN TOLERANCE :	2
MIN. RIC HT. [%]:	5
FIRST SCAN :	150
LAST SCAN :	1701
TIC THRESHOLD :	800

METHOD LIBRARY & LISTS

TIC I.S. LIBRARY:	LIBRARYVV
NBS SEARCH PROC :	SERLIB
PEAK FINDER PROC:	VOME
TCA I.S. LL :	VV_IS
FILE NAME LIST :	TCAREF2

TARGET COMPOUND ANALYSIS:

TARGETS (QUAN LIST)	IS PEAKS	TOTAL TARGET PEAKS
8	3	11

FILTER PROCESSING:

	<----------REJECT PEAKS---------->						
TOTAL PEAKS	< 1ST SCAN	> LAST SCAN	< MIN RIC HT	< SCAN TOL	> MAX # PEAKS	TOTAL REJECTS	TOTAL TICS
12	0	0	3	8	0	11	1

TIC PROCESSING:

NO.	SCAN#	PURITY	FIT	MW	COMPOUND NAME [BEFORE TIC THRESHOLD]
1	267	997	997	196	METHANE, TETRANITRO- CO_2

NO TICS

MAY 16 1994
NADIA LOMBARDERO

001023

Environmental Science and Engineering

Unknown Compounds Quantitation Report

Data file : /chem/v89instL.i/may06a.b/v89a03524.d
Lab. Id. : CDMHNSS*29
Inj Date : 06-MAY-94 14:50 Autotune Date: 01-Apr-94 10:45:2
Operator : Larry Shroads Inst ID: v89instL.i
Smp Info : CDMHNSS*29
Misc Info :
Comment : Detv24 Survs24
Method : /chem/v89instL.i/may06a.b/vmeth390.m
Meth Date : 09-May-1994 11:37 user1
Cal Date : 06-MAY-1994 12:06 Cal File: v89a03522.d
Als bottle: 1
Dil Factor: 1.000 Target Version: Target 2.20
Integrator: HP RTE Compound Sublist: all.sub
Sample Type: SOIL
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 12 Bromochloromethane	8.411	892330	50.000
* 32 Chlorobenzene-d5	15.708	1433038	50.000

RT	AREA	CONC(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	QUANT CPND
Decane, 4-methyl-					CAS #: 2847-72-5	
20.046	640844	22	95	WILEY.l	120801	32
1,1-DIMETHYL-2-PROPYLCYCLOHEXANE					CAS #: 81983-71-3	
21.412	683985	24	95	WILEY.l	15543	32
Undecane					CAS #: 1120-21-4	
22.246	710190	25	94	WILEY.l	120811	32
Unknown Hydrocarbon					CAS #:	
22.645	857348	30	53	WILEY.l	118440	32
Nonane, 3-methyl-5-propyl-					CAS #: 31081-18-2	
23.105	814659	28	64	WILEY.l	28161	32
Naphthalene, decahydro-2-methyl-					CAS #: 2958-76-1	
23.492	1056735	37	93	WILEY.l	120382	32
Unknown Hydrocarbon					CAS #:	
23.758	668060	23	50	WILEY.l	10331	32

RT	AREA	CONC(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	QUANT CPND
Benzene, 1,2,3,5-tetramethyl-					CAS #: 527-53-7	
24.000	1125991	39	94	WILEY.l	8319	32

Environmental Science and Engineering

Unknown Compounds Quantitation Report

Data file : /chem/v89instL.i/may06a.b/v89a03525.d
Lab. Id. : CDMHNSS*30
Inj Date : 06-MAY-94 15:37 Autotune Date: 01-Apr-94 10:45:2
Operator : Larry Shroads Inst ID: v89instL.i
Smp Info : CDMHNSS*30
Misc Info :
Comment : Detv24 Survs24
Method : /chem/v89instL.i/may06a.b/vmeth390.m
Meth Date : 09-May-1994 11:37 user1
Cal Date : 06-MAY-1994 12:06 Cal File: v89a03522.d
Als bottle: 2
Dil Factor: 1.000 Target Version: Target 2.20
Integrator: HP RTE Compound Sublist: all.sub
Sample Type: SOIL
Quantitative Mode : Use RF of Nearest Std

ISTD		RT	AREA	AMOUNT
* 12	Bromochloromethane	8.422	732047	50.000
* 32	Chlorobenzene-d5	15.709	1134336	50.000

RT	AREA	CONC(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	QUANT CPND

SOIL TPAMA/8260 CALIBRATION CHECK

PORT 5/10/94 11:36:59

DATA FILE: 05099406

CDM-4N55 *31

FILTER SCAN PARAMETERS	
MAX. NUMBER TICS:	20
11-TABLE ENTRIES:	473
SCAN TOLERANCE :	2
MIN. RIC HT. [%]:	5
FIRST SCAN :	150
LAST SCAN :	1701
TIC THRESHOLD :	800

METHOD LIBRARY & LISTS	
TIC I.S. LIBRARY:	LIBRARYVV
NBS SEARCH PROC :	SERLIB
PEAK FINDER PROC:	VOME
TCA I.S. LL :	VV_IS
FILE NAME LIST :	TCAREF2

TARGET COMPOUND ANALYSIS:

TARGETS (QUAN LIST)	IS PEAKS	TOTAL TARGET PEAKS
7	3	10

FILTER PROCESSING:

TOTAL PEAKS	< 1ST SCAN	> LAST SCAN	< MIN RIC HT	< SCAN TOL	> MAX # PEAKS	TOTAL REJECTS	TOTAL TICS
	<----------REJECT PEAKS---------->						
11	0	0	3	7	0	10	1

TIC PROCESSING:

NO.	SCAN#	PURITY	FIT	MW	COMPOUND NAME [BEFORE TIC THRESHOLD]
1	268	997	997	196	METHANE, TETRANITRO- CN

NO TICS

MAY 16 1994

NADIA LOMBARDERO

001026

PROCEDURE: FILTER/TIC DIAGNOSTIC REPORT 5/09/94 20:38:17

DATA FILE: 05099407

CDM-HNSS #32

FILTER SCAN PARAMETERS

MAX. NUMBER TICS:	20
11-TABLE ENTRIES:	473
SCAN TOLERANCE :	2
MIN RIC HT. [%]:	5
FIRST SCAN :	150
LAST SCAN :	1701
TIC THRESHOLD :	800

METHOD LIBRARY & LISTS

TIC I.S. LIBRARY:	LIBRARYVV
NBS SEARCH PROC :	SERLIB
PEAK FINDER PROC:	VOME
TCA I.S. LL :	VV_IS
FILE NAME LIST :	TCAREF2

TARGET COMPOUND ANALYSIS:

TARGETS (QUAN LIST)	IS PEAKS	TOTAL TARGET PEAKS
9	3	12

FILTER PROCESSING:

TOTAL PEAKS	<-REJECT PEAKS-> < 1ST SCAN	> LAST SCAN	< MIN RIC HT	< SCAN TOL	> MAX # PEAKS	TOTAL REJECTS	TOTAL TICS
20	0	0	5	10	0	15	5

TIC PROCESSING:

NO.	SCAN#	PURITY	FIT	MW	COMPOUND NAME [BEFORE TIC THRESHOLD]
1	1478	478	980	120	BENZENE, 1-ETHYL-3-METHYL-
2	1480	662	958	168	1-PROPENE, 2-METHYL-, TRIMER
3	1537	904	993	120	BENZENE, 1,2,4-TRIMETHYL-
4	1594	875	990	120	BENZENE, 1,2,4-TRIMETHYL-
5	1599	867	942	184	DECANE, 2,5,6-TRIMETHYL-

TICS

name	scan #	concentration ug/l
1. Unknown	1478	4.036
2. Unknown	1480	7.521
3. Trimethyl Benzene	1537	14.060
4. Trimethyl Benzene	1594	7.214
5. Unknown Hydrocarbon	1599	7.091

MAY 16 1994

NADIA LOMBARDERO

001027

COMMENTS = 53
(05099408)

TICA

Name	Scan #	Concentration ug/l
1- Unknown	1377	1152.330
2- Unknown Hydrocarbon	1379	1163.380
3- Unknown Hydrocarbon	1451	1120.550
4- Unknown	1462	797.234
5- Unknown	1485	609.526
6- Unknown	1493	764.074
7- Aromatic Hydrocarbon	1497	581.000
8- Unknown	1485	905.525
9- Aromatic Hydrocarbon	1517	511.914
10- Aromatic Hydrocarbon	1519	425.256
11- Aromatic Hydrocarbon	1537	1475.550
(12- Unknown	1540) → ignore	
13- Unknown Hydrocarbon	1542	786.132
14- Unknown	1546	930.396
15- Unknown Hydrocarbon	1549	1313.990
16- Unknown	1553	1040.120
17- Unknown	1587	913.297
18- Trimethyl Benzene	1592	1547.450
19- Aromatic Hydrocarbon	1594	1502.210
20- Unknown Hydrocarbon	1598	1191.050

001028

MAY 16 1994

NADIA LOMBARDERO

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDM HNSS # 34

Sample wt/vol: 5.0 (g/mL) G Lab File ID: > 99605

Level: (low/med) LOW Date Received: 5/13/94

% Moisture: not dec. Date Analyzed: 5/13/94

Column: ~~PACK~~ capillary Dilution Factor: 1.00000

Number TICs found: 110 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.		TrichloroFluoromethane	5.16	41.65 ug/Kg	
3.	99876	Benzene, 1-methyl-4-(1-methylethyl)-	24.06	39.00	97
4.		unknown	24.91	37.00	
5.		unknown	25.24	49.00	
6.		unknown	25.46	57.00	
7.	54676390	Cyclohexane, 2-butyl-1,1,3-trimethyl-	26.02	110.00	92
8.		unknown	26.56	37.00	
9.		unknown	26.77	37.00	
10.		unknown	26.95	50.00	
11.		unknown	27.16	38.00	
12.	6682719	1H-Indene, 2,3-dihydro-4,7-dimethyl-	27.37	47.00	90
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

CDMHNSS * 35 possibly
contains carry over
from CDMHNSS * 34.
Check NVO analysis
for verification.

Yael Hoag [illegible]
5-16-94

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: 9 CDMHNSS * 35

Sample wt/vol: 5.0 (g/mL) G Lab File ID: >99606

Level: (low/med) LOW Date Received: 5/13/94

% Moisture: not dec. Date Analyzed: 5/13/94

Column: ~~PACK~~ Capillary Dilution Factor: 1.00000

Number TICs found: 11 ~~0~~

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.	Trichlorofluoromethane	5.09	1.70ug/Kg	
3. 17302282	Nonane, 2,6-dimethyl	24.66	63.00	64
4.	unknown	24.87	40.00	
5. 571619	Naphthalene 1,5-dimethyl	25.14	250.00	99
6. ?	Naphthalene, ?	25.77	210.00	97
7. 571619	Naphthalene 1,5, dimethy	25.95	220.00	99
8.	unknown	26.37	39.00	
9. 573988	Naphthalene, 1,2, dimethyl	26.61	32.00	97
10. ?	Naphthalene ?	26.73	97.00	97
11.	unknown	26.88	67.00	
12. 6682719	1H, Indene, 2,3-dihydro-	27.30	35.00	92
13.	4,7-dimethyl			
14.				
15.				
16.				
17.				
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24.				
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28.				
29.				
30.				

Environmental Science and Engineering

Unknown Compounds Quantitation Report

Data file : /chem/v89instL.i/may16.b/v89a03619.d
Lab. Id. : CDMHNSS*36
Inj Date : 16-MAY-1994 13:40 Autotune Date: 01-Apr-94 10:45:2
Operator : Larry Shroads Inst ID: v89instL.i
Smp Info : CDMHNSS*36
Misc Info :
Comment : Detv24 Survs24
Method : /chem/v89instL.i/may16.b/vmeth390.m
Meth Date : 18-May-1994 16:38 user1
Cal Date : 16-MAY-94 11:18 Cal File: v89a03616.d
Als bottle: 1
Dil Factor: 1.000 Target Version: Target 2.20
Integrator: HP RTE Compound Sublist: all.sub
Sample Type: SOIL
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 12 Bromochloromethane	8.375	846828	50.000

RT	AREA	CONC(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	QUANT CPND

37
NOTICS
5/24/94

38

NO TICS

5/24/94

Semivolatile Organic Compounds

:**TR
:DU,U53008,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CONHNSS*1 0421 Injected: 940422 17:23
Misc: 04/22/94 HANFORD PHONUSR BTL# 9
Data File: >53008::C2

*Phenanthrene-d10 RT= 22.266

COMPOUND NAME	TIC#	RT	CAS	ug/Kg
Nonacosane	3	32.56	630035	750.00
Hentriacontane	4	35.27		270.00

:RU,CRT,FF

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Injected: 940422 11:50
BTL# 3

Data File: >53002::C2

*Phenanthrene-d10 RT= 22.256

COMPOUND NAME TIC#	RT	CAS	ug/Kg
Unknown 3	9.09		270.00

:RU,CRT,FF

:**TR
:DU,U53003,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

eme: CDMHNSS*3 0421 Injected: 940422 12:45
isc: 04/22/94 HANFORD PHCNWSK BTL# 4
Data File: >53003::C2

*Phenanthrene-d10 RT= 22.265

COMPOUND NAME TIC#	RT	CAS	ug/Kg
None			

:RU,CRT,FF

:**TR
:DJ,U53004,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: COMHNSS*4 0421 Injected: 940422 13:41
Misc: 04/22/94 OIL20 HANFORD PRUDHOE BAY BTL# 5
Data File: >53004::C2

*Phenanthrene-d10 RT= 22.263

COMPOUND NAME TIC#	RT	CAS	ug/Kg
Cholestane isomer 1	30.58		8400.00
Cholestane isomer 2	30.86		5600.00
Total oil	30.0 (median ret. time)		3000000.00

:RU,CRT,FF

:**TR
:DU,U53012,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CDMHNSS*5 0422 Injected: 940424 12:37
Misc: 04/24/94 HANFORD PHOENIX BTL# 2
Data File: >53012::C2

*Phenanthrene-d10 RT= 22.253

COMPOUND NAME TIC#	RT	CAS	ug/Kg
None			

:RU,CRT,FF

:**TR
:DU,U53013,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CDMHNSS*6 0422 Injected: 940424 13:32
Misc: 04/24/94 HANFORD PHC\KEC BTL# 3
Data File: >53013::C2

*Phenanthrene-d10 RT= 22.265

COMPOUND NAME TIC#	RT	CAS	ug/Kg
None			

:RU,CRT,FF

:**TR
:DU,U53022,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CDMHNSS*7 0423 Injected: 940424 21:41
Misc: 04/24/94 100xDil PHC\kEC BTL#12
Data File: >53022::C2

*Phenanthrene-d10 RT= 22.263

COMPOUND NAME	TIC#	RT	CAS	ug/Kg
Unknown alcohol	1	4.51		70000.00
Unknown alkane	4	23.24		63000.00
Unknown alcohol	5	23.92		28000.00
Unknown	7	24.09		29000.00
Eicosane	8	24.31	112958	150000.00
Unknown alkane	9	25.04		160000.00
Heneicosane	10	25.32	629947	150000.00
Unknown	11	25.94		180000.00
Docosane	12	26.29	629970	330000.00
Unknown alkane	13	26.59		620000.00
Unknown alcohol	14	26.82		270000.00
Unknown	15	29.27		450000.00
Unknown	16	33.38		210000.00
Total oil		30.0 (median ret. time)		360000000.00

:RU,CRT,FF

EE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMHNS5 * 8

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed:

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		NO TICS WERE FOUND			
2.					
3.					
4.					
5.					
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5/24/91

:**TR
:[illegible]

[illegible] TENTATIVELY IDENTIFIED COMPOUNDS

Name: CD1[illegible] 0423 Injected: 940424 18:58
Misc: 04[illegible]94 HANFORD [illegible] BTL# 9
Data File: [illegible]C2

*Phenanthrene-d10 RT= 22.257

COMPOUND NAME TIC#	RT	CAS	ug/Kg
None			

:RU,CRT,FF

:**TR
:DU,U53051,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CDMHNSS*10 0426 Injected: 940427 13:25
Misc: 04/27/94 HANFORD PHL-WSH BTL# 4
Data File: >53051::C2

*Phenanthrene-d10 RT= 22.242

COMPOUND NAME	TIC#	RT	CAS	ug/Kg
gamma-Chlordane	8	25.66	57749	850.00
alpha-Chlordane	9	25.93		1000.00
p,p'-DDE	10	26.30	72559	2100.00
p,p'-DDD	11	27.18	72548	2700.00
o,o'-DDT	12	27.25		10000.00
o,p'-DDT	13	27.57		550.00
p,p'-DDT	14	27.96	50293	31000.00
Phosphoric acid, 2-ethylhexyl diphenyl ester	15	28.38	1241947	1100.00
Heptacosane	16	30.58		380.00
Nonacosane	17	32.54		720.00

:RU,CRT,FF

:**TR
:DJ,053049,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: COMPNSS*11 04/6 Injected: 940427 11:39
Misc: 04/27/94 HANFORD PHENOLS BTL# 2
Data File: >53049::C2

*Phenanthrene-d10 RT= 22.248

COMPOUND NAME TIC#	RT	CAS	ug/Kg
None			

:RU,CRT,FF

:**TR
:DU,U53050,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: COMPNSS*12 0426 Injected: 940427 12:30
Misc: 04/27/94 HANFORD PEL\WSK BTL# 3
Data File: >53050::C2

*Phenanthrene-d10 RT= 22.244

COMPOUND NAME	TIC#	RT	CAS	ug/Kg
Nonacosane	3	32.53	630035	360.00

:RU,CRT,FF

1E

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMHN55 #13

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed:

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		NO TICS WERE FOUND			
2.					
3.					
4.					
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5/24/89

1046

1E

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMHNSS*14

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed:

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		NO TICS WERE FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
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5/24/91

1E

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMHNSS #15

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed:

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		NO TICS WERE FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
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5/24/91

1E

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: ESE Contract:

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: CDMHN55 #16

Sample wt/vol: 5.0 (g/mL) G Lab File ID:

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed:

Column: PACK Dilution Factor: 1.00000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		NO TICS WERE FOUND			
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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29.					
30.					

5/24/94

1051

:**TR
:DU,U53084,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CDMHNSS*17 0428 Injected: 940430 19:19
Misc: 04/30/94 HANFORD PHC\KEC BTL# 6
Data File: >53084::C4

*Phenanthrene-d10 RT= 22.176

COMPOUND NAME	TIC#	RT	CAS	ug/Kg
7-Oxabicyclo[4.1.0]heptane	2	7.05	286204	420.00
Benzene, 1,1'-(dichloroethenylidene)bis[4-chloro-	6	26.23	72559	1500.00
o,o'-DDT	7	27.17		1400.00
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-	8	27.89	50293	7100.00
Heptacosane	9	30.51	593497	270.00
Squalene	10	31.60		380.00
Nonacosane	11	32.45	630035	550.00

:RU,CRT,FF

001052

:**TR
:DU,U53082,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CDMHNSS*18 0428 Injected: 940430 17:31
Misc: 04/30/94 HANFORD PHC\KEC BTL# 4
Data File: >53082::C4

*Phenanthrene-d10 RT= 22.175

COMPOUND NAME TIC#	RT	CAS	ug/Kg
7-Oxabicyclo[4.1.0]heptane			
2	7.05	286204	450.00
Benzene, 1,1'-(dichloroethenylidene)bis[4-chloro-			
6	26.23	72559	1500.00
o,o'-DDT			
7	27.17		420.00
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-			
8	27.88	50293	3300.00
Nonacosane			
9	32.45	630035	490.00

:RU,CRT,FF

:**TR
:DU,U53083,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CDMHNSS*19 0428 Injected: 940430 18:25
Misc: 04/30/94 HANFORD PHC\KEC BTL# 5
Data File: >53083::C4

*Phenanthrene-d10 RT= 22.179

COMPOUND NAME	TIC#	RT	CAS	ug/Kg
7-Oxabicyclo[4.1.0]heptane	2	7.05	286204	420.00
Benzene, 1,1'-(dichloroethenylidene)bis[4-chloro-	11	26.24	72559	2400.00
o,o'-DDT	12	27.17		470.00
Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-	13	27.87	50293	2500.00
Heptacosane	14	30.52		350.00
Nonacosane	15	32.45	630035	420.00

:RU,CRT,FF

:**TR
:DU,U53081,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: COMHNSS*20 0428 Injected: 940430 16:37
Misc: 04/30/94 HANFORD PHCNREC BTL# 3
Data File: >53081::C4

*Phenanthrene-d10 RT= 22.184

COMPOUND NAME TIC#	RT	CAS	ug/Kg
7-Oxabicyclo[4.1.0]heptane 3	7.05	286204	470.00

:RU,CRT,FF

Data File: /chem/nvo5.i/nvo0505.b/nvo501434.d
Report Date: 05-May-1994 15:33

Environmental Science and Engineering

Unknown Compounds Quantitation Report

Data file : /chem/nvo5.i/nvo0505.b/nvo501434.d
Lab Smp Id: CDMHNSS*21 Client Smp ID: A1101007
Inj Date : 05-MAY-1994 12:16 Autotune Date: 08-Feb-94 09:58:2
Operator : WAV/AT Inst ID: nvo5.i
Smp Info : CDMHNSS*21
Misc Info : CDM Hanford N. Slope
Comment :
Method : /chem/nvo5.i/nvo0505.b/clp390epc.m
Meth Date : 05-May-1994 11:26
Cal Date : 05-MAY-94 10:51 Cal File: nvo501432.d
Als bottle: 2
Dil Factor: 1.000 Target Version: 3.10
Integrator: HP RTE Compound Sublist: all.sub
Sample Matrix: SOIL
Quantitative Mode : Use RF of Nearest Std

ISTD	RT	AREA	AMOUNT
* 1 1,4-Dichlorobenzene-d4	5.560	5257233	40.000
* 71 Perylene-d12	23.914	6811239	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown Aldol Condensate				CAS #:			
3.169	634029	5	80	59	WILEY.1	114944	1
Unknown Aldol Condensate				CAS #:			
3.937	8358216	64	1000	25	WILEY.1	116565	1
Unknown Aldol Condensate				CAS #:			
4.495	928888	7	120	40	WILEY.1	1586	1
Nonacosane				CAS #: 630-03-5			
23.730	901377	5	88	91	WILEY.1	129560	71(L)
Hentriacontane				CAS #: 630-04-6			
25.040	725761	4	71	91	WILEY.1	130188	71

QC Flag Legend

L - Operator selected an alternate library search match.

1056

:**TR
:DU,U53112,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: COMHNSS*22 0504 Injected: 940505 12:22
Misc: 05/05/94 DIL10 HANFORD PHC\KEC
Data File: >53112::C4

*Phenanthrene-d10 RT= 22.174

COMPOUND NAME	TIC#	RT	CAS	ug/Kg
Tridecane	1	15.50	629505	190000.00
Naphthalene, 1-methyl-	2	15.89	90120	130000.00
Tetradecane	3	17.00		480000.00
Naphthalene, dimethyl-	4	17.30		410000.00
Naphthalene, dimethyl-	5	17.53		580000.00
Naphthalene, dimethyl-	6	17.58		260000.00
Naphthalene, dimethyl- and unknown hexadecane	7	17.82		550000.00
Naphthalene, dimethyl-	8	18.00		150000.00
7-Hexadecene, (Z)-	9	18.10	35507096	120000.00
Naphthalene, 2-(1-methylethyl)-	10	18.68	2027170	410000.00
METHYL-ETHYL-NAPHTALENE	11	18.96		500000.00
Naphthalene, trimethyl-	12	19.05		480000.00
Naphthalene, trimethyl-	13	19.24		501000.00
Naphthalene, trimethyl-	14	19.32		340000.00
Naphthalene, trimethyl-	15	19.47		386000.00
Hexadecane	16	19.66	544763	360000.00
PENTADECANE, 2,6,10-TRIMETHYL- (NOR-PRISTAN)	17	20.21		180000.00
Naphthalene, deimethyl-ethyl-	18	20.77		140000.00
o,p'-DDT	19	27.16	789026	340000.00
p,p'-DDT	20	27.95	50293	1400000.00
Total oil	18 (median ret. time)			7300000.00

001057

:RU,CRT,FF

**TR
DJ,U5

[illegible] IDENTIFIED COMPOUNDS

Name: COMMN [illegible]
Misc: 0[illegible]
Data File: [illegible]

Injected: 940505 13:17
BTL# 4

*Phenanthrene-d10 RT= 22.162

COMPOUND NAME TIC#	RT	CAS	ug/Kg
None			

:RU,CRT,FF

:**TR
:DU,U53125,1

GC/MS SEMI VOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

lame: CDMHNSS*24 0505 Injected: 940506 12:25
Misc: 05/06/94 HANFORD PHC\KEC BTL# 2
Data File: >93125::C4

*Phenanthrene-d10 RT= 22.153

COMPOUND NAME TIC#	RT	CAS	ug/Kg
None			

:RU,CRT,FF

:**TR
:DU,U53126,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CDMHNSS*25 0505 Injected: 940506 13:19
Misc: 05/06/94 HANFORD PHOENIX BTL# 3
Data File: >53126::C4

*Phenanthrene-d10 RT= 22.157

COMPOUND NAME / TIC#	RT	CAS	ug/Kg
Benzene, 1,1'-(dichloroethenylidene)bis[4-chloro- (p,p'-DDE)			
6	26.22	72559	1800.00
p,p'-DDT			
7	27.85	50293	270.00
Nonacosane			
9	32.41	630035	490.00
Hentriacontane			
10	35.07	630046.	310.00

:RU,CRT,FF

:**TR
:DU,U53127,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CDMHNSS*26 0505 Injected: 940506 14:14
Misc: 05/06/94 HANFORD PHC\KEC BTL# 4
Data File: >53127::C4

*Phenanthrene-d10 RT= 22.156

COMPOUND NAME	TIC#	RT	CAS	ug/Kg
Nonacosane	7	32.41	630035	730.00

:RU,CRT,FF

:**TR
:DU,U53128,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

ame: CDMHNSS*27 0505 Injected: 940506 15:09
Misc: 05/06/94 HANFORD PHC\KEC BTL# 5
Data File: >53128::C4

*Phenanthrene-d10 RT= 22.147

COMPOUND NAME TIC#	RT	CAS	ug/Kg
None			

:RU,CRT,FF

:**TR
:DU,U53155,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CDMHNSS*28 0506 Injected: 940509 19:50
Misc: 05/09/94 HANFORD PHC\KEC BTL# 3
Data File: >53155::C4

*Phenanthrene-d10 RT= 22.099

COMPOUND NAME	TIC#	RT	CAS	ug/Kg
Nonacosane	4	32.33	630035	330.00

:RU,CRT,FF

1.F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

A0404008

Lab Name: ESE Contract: NA

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: 48916

Matrix: (soil/water) SOIL Lab Sample ID: CDMHNSS*29

Sample wt/vol: 30.0 (g/mL) G Lab File ID: NVO501467.D

Level: (low/med) LOW Date Received: 05/06/94

% Moisture: 5 decanted: (Y/N) N Date Extracted:05/06/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.6

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown Aldol Condensate	3.936	950	JAB
2.		Unknown Alkane	7.872	300	J
3.	54676-39-0	Cyclohexane, 2-butyl-1,1,3-t	8.064	250	NJ
4.		Unknown Alkane	8.544	700	J
5.		Unknown	8.710	260	J
6.		Unknown Alkane	9.068	280	J
7.	90-12-0	Naphthalene, 1-methyl-	9.190	280	NJ
8.		Unknown	9.967	380	J
9.		Unknown	10.142	440	J
10.	575-43-9	Naphthalene, 1,6-dimethyl-	10.456	330	NJ
11.		Unknown Alkane	10.744	1500	J
12.		Unknown	10.787	380	J
13.		Unknown	10.979	1100	J
14.	629-62-9	Pentadecane	11.206	610	NJ
15.		Unknown Alkane	11.791	500	J
16.		Unknown Alkane	11.931	860	J
17.	544-76-3	Hexadecane	12.341	580	NJ
18.		Unknown Alkane	12.865	1100	J
19.		Unknown	13.048	190	J
20.		Unknown Alkane	13.484	1300	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SV201001

Lab Name: ESE Contract: NA

Lab Code: ESE Case No.: NA SAS No.: NA SDG No.: 48916

Matrix: (soil/water) SOIL Lab Sample ID: CDMHNSS*30

Sample wt/vol: 30.0 (g/mL) G Lab File ID: NVO501470.D

Level: (low/med) LOW Date Received: 05/06/94

% Moisture: 2 decanted: (Y/N) N Date Extracted:05/06/94

Concentrated Extract Volume: 500(uL) Date Analyzed: 05/09/94

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.8

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown Aldol Condensate	3.194	81	JAB
2.		Unknown Aldol Condensate	3.962	980	JAB
3.		Unknown Aldol Condensate	4.512	110	JAB
4.	593-49-7	Heptacosane	22.334	190	NJ
5.	630-03-5	Nonacosane	23.748	490	NJ
6.	630-04-6	Hentriacontane	25.048	250	NJ
7.	83-47-6	Stigmast-5-en-3-ol, (3.beta.	26.689	100	NJ
8.					
9.					
10.					
11.					
12.					
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23.					
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26.					
27.					
28.					
29.					
30.					

:** TR
:DU,U53159,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: COMHRSS*31 0506 Injected: 940509 23:27
Misc: 05/09/94 HANFORD PHENOLICS BTL# 7
Data File: >53159::C4

*Phenanthrene-d10 RT= 22.095

COMPOUND NAME TIC#	RT	CAS	ug/Kg
None			

:RU,CRT,FF

:**TR
:DU,U93162,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: COMHNSS*32 0906 Injected: 940510 02:09
Misc: 05/09/94 DIL20 PHCX<EC BTL#10
Data File: >93162::C4

*Phenanthrene-d10 RT= 22.094

COMPOUND NAME TIC#	RT	CAS	ug/Kg
Naphthalene, 1-methyl- 1	19.62	90120	6800.00
Naphthalene, dimethyl- 2	17.21		4900.00
Naphthalene, dimethyl- 3	17.40		11000.00
Naphthalene, dimethyl- 4	17.47		6300.00
Naphthalene, dimethyl- 5	17.69		4800.00
Naphthalene, trimethyl- 6	18.57		4200.00
Naphthalene, trimethyl- 7	18.93		4500.00
Naphthalene, trimethyl- 8	19.11		3800.00
Naphthalene, 2-(1-methylethyl)- and unknown alkane 9	19.57		4100.00
Heptadecane 10	20.80	629787	6200.00
Pentadecane, 2,6,10,14-tetramethyl- 11	20.84	1921706	6900.00
9H-Fluorene, methyl- 12	21.11		4700.00
9H-Fluorene, methyl- 13	21.17		5600.00
Octadecane 14	21.97		5400.00
9H-Carbazole 15	22.75	86748	5300.00
Phenanthrene, methyl- 16	23.42		7900.00
Phenanthrene, methyl- 17	23.49		9300.00
Phenanthrene, methyl- 18	23.69		12000.00
Phenanthrene, methyl- 19	23.75	832644	7000.00
Phenanthrene, dimethyl- 20	24.86		5900.00

:RU,CRT,FF

001067

:**TR
:DU,U531b0,1

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

Name: CDMHNSS*33 0506 Injected: 940510 00:21
Misc: 05/09/94 HANFORD PHC\KEC BTL# 8
Data File: >53160::C4

*Phenanthrene-d10 RT= 22.093

COMPOUND NAME	TIC#	RT	CAS	ug/Kg
Unknown C10H20	1	8.88		2100.00
1,1,2,3-TETRAMETHYLCYCLOHEXANE	2	9.46		3900.00
Benzene, trimethyl-	3	9.66		1500.00
Cyclohexane, methyl-propyl-	4	9.98		1500.00
Unknown C11H22	5	10.03		1900.00
Benzene, trimethyl-	6	10.18		2900.00
Decane	7	10.28	124185	4900.00
Nonane, 2,6-dimethyl-	8	10.71	17302282	5800.00
Benzene, methyl-(1-methylethyl)-	9	10.81		1800.00
Cyclohexane, butyl-	10	10.97	1678939	1700.00
Naphthalene, decahydro-, trans-	11	11.52	493027	2600.00
Undecane	12	12.16	1120214	4300.00
Unknown hydrocarbon	13	12.44		730.00
Naphthalene, decahydro-2-methyl-	14	12.55	2958761	1600.00
Unknown hydrocarbon	15	13.38		910.00
1,3-Isobenzofurandione	16	15.79	85449	2200.00
Hexadecanoic acid	17	23.80	57103	11000.00
9-Octadecenoic acid	18	25.59	112801	35000.00
Octadecanoic acid	19	25.79	57114	23000.00
Unknown phthalate ester	20	32.71		3900.00

:RU,CRT,FF

SEMIVOLATILE TENTATIVE IDENTIFIED COMPOUNDS

[illegible] 511 Injected: 9405[illegible]
[illegible] REC/FH[illegible] BTL# [illegible]
[illegible]

*Phenanthrene-d10 RT= 22.1[illegible]

[illegible]	CAS	[illegible]
[illegible] 16 9	629594	[illegible]4000.00
Naphthalene, dimethyl- 2 17.30		55000.00
Naphthalene, dimethyl- 3 17.51		78000.00
Naphthalene, dimethyl- 4 17.57		26000.00
Naphthalene, dimethyl- 5 17.80		60000.00
Naphthalene, dimethyl- 6 17.98		14000.00
7-Hexadecene, (Z)- 7 18.09	35507096	13000.00
Naphthalene, (1-methylethyl)- 8 18.69		49000.00
Naphthalene, trimethyl- 9 18.96		70000.00
Naphthalene, trimethyl- 10 19.25		49000.00
Naphthalene, trimethyl- 11 19.43		26000.00
Naphthalene, trimethyl- and hexadecane 12 19.65		36000.00
Naphthalene, trimethyl- and ethyl-dimethynaphthalene 13 19.77		
Naphthalene, ethyl-dimethyl- 18 20.95		14000.00
p,p'-DDD 19 27.15	72548	160000.00
p,p'-DDT 20 27.91	50293	220000.00
otal oil 19.0 (median ret. time)		870000.00

GC/MS SEMIVOLATILE TENTATIVELY IDENTIFIED COMPOUNDS

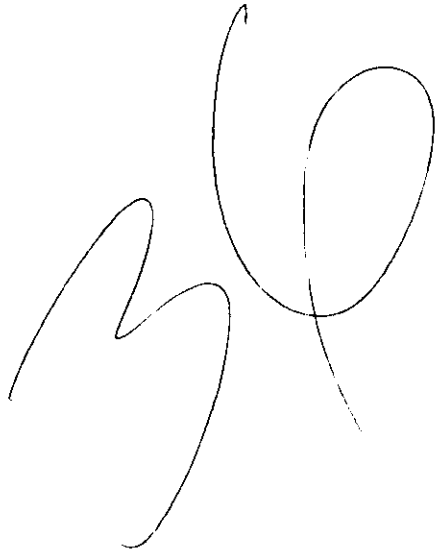
Name: CCMmiSS*35 0511 Injected: 940515 18:39
Misc: 05/15/94 HANFORD KEC/PHC BTL# 4
Data File: 93211::C2

*Phenanthrene-d10 RT= 22.185

COMPOUND NAME TIC#	RT	CAS	ug/Kg
Tridecane	1	19.50	629505	6000.00
Tetradecane	2	17.01	629594	30000.00
Naphthalene, dimethyl-	3	17.34		35000.00
Naphthalene, dimethyl-	4	17.55		46000.00
Naphthalene, dimethyl-	5	17.83		48000.00
7-Hexadecene, (Z)-	6	18.12	35907096	9400.00
Naphthalene, (1-methylethyl)-	7	18.71		27000.00
Naphthalene, trimethyl-	8	19.01		42000.00
Naphthalene, trimethyl-	9	19.23		9400.00
Naphthalene, trimethyl-	10	19.48		18000.00
Naphthalene, trimethyl- and hexadecane	11	19.69		26000.00
Naphthalene, trimethyl- and ethyl-dimethylnaphthalene	12	19.81		11000.00
Naphthalene, methyl-propyl-	13	19.92		9300.00
Naphthalene, ethyl-dimethyl-	14	20.14		7500.00
Naphthalene, methyl-propyl- and pentadecene, 2,6,10-trimethyl-	15	20.24		12000.00
Naphthalene, methyl-(1-methylethyl)-	16	20.56		9500.00
Naphthalene, ethyl-dimethyl-	17	20.80		15000.00
Naphthalene, ethyl-dimethyl-	18	20.98		11000.00
p,p'-DDD	19	27.19	72548	120000.00
p,p'-DDT	20	27.93	50293	190000.00
Total oil		19.0 (median ret. time)		560000.00

:RU,CRT,FF

001070



:**TR
:DU,U53222,1

GC/MS SE[illegible] IDENTIFIED COMPOUNDS

Name: CONHANSS*32 [illegible] Injected: 940516 11:43
Misc: 05/16/94 HANFORD [illegible] BTL# 2
Data File: >53222::C<

*Phenanthrene-d10 RT= 22.136

COMPOUND NAME TIC#	RT	CAS	ug/Kg
None			

:RU,CRT,FF

[redacted]

[redacted] IDENTIFIED COMPOUNDS

[redacted] Injected: 940516 15:52
[redacted] BTL# 7

*Fenanthrene-d10 RT= 22.137

COMPOUND [redacted] TIC#	RT	[redacted]	ug/Kg
None			

:RU,CRT,FF

Chain-of-Custody Forms

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

SAMPLE THM 4/19/94

COC #

PROJECT NAME Hanford North Slope Site H-06-L

PROJECT NUMBER 6110-001

~~Field Log~~ Book Reference No. 1

Copies: Ship with Samples

SITE #	SAMPLE NUMBER		DATE	TIME	SAMPLE LOCATION FIELD ID#	SAMPLE TYPE	ANALYSES 8260	8080	8270	6010/7000	418.1(W)	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
1	94H06L	(W)-A20-01-004	4/19/94	1325	~~H-06-L(W) A20~~	Soil	X					2x125ml	5	Grab
	94H06L	(W)-A20-01-004	4/19/94	1325	H-06-L(W) A20	Soil		X	X			1x250ml	5	Composite
	94H06L	(W)-A20-01-004	4/19/94	1325	H-06-L(W) A20	Soil				X	X	1x250ml	5	Composite
2	94H06L	(W)-A20-02-006	4/19/94	1410	H-06-L(W) A20	Soil	X					2x125ml	5	Grab
	94H06L	(W)-A20-02 006	4/19/94	1410	H-06-L(W) A20	Soil		X	X			1x250ml	5	Composite
	94H06L	(W)-A20-02 006	4/19/94	1410	H-06-L(W) A20	Soil				X	X	1x250ml	5	Composite
3	94H06L	(W)-A19-01 008	4/19/94	1648	H-06-L(W) A19	Soil	X					2x125ml	5	Grab
	94H06L	(W)-A19-01 008	4/19/94	1648	H-06-L(W) A19	Soil		X	X			1x250ml	5	Composite
	94H06L	(W)-A19-01 008	4/19/94	1648	H-06-L(W) A19	Soil				X	X	1x250ml	5	Composite
4	94H06L	(W)-A19-02 007	4/20/94	0840	H-06-L(W) A19	Soil	X					2x125ml	8	Grab
	94H06L	(W)-A19-02 007	4/20/94	0840	H-06-L(W) A19	Soil		X	X			1x250ml	8	Composite
	94H06L	(W)-A19-02 007	4/20/94	0840	H-06-L(W) A19	Soil				X	X	1x250ml	8	Composite

ESE SAMPLE RECEIVING

LDD: 4/23/94

Field Group/s: C D M H N S S

Storet List: CDMHNSS.1

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

Cooler Temp. (°C): 6°C

SAMPLED BY (SIGN) Jana H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① Jana H. Moore	②	③	④	⑤
DATE/TIME (4/22/94 1146)	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 N.A.	⑤
DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)

Data Validation Audited

METHOD OF SHIPMENT	SHIPPED BY (SIGN)	RECEIVED FOR LABORATORY BY (SIGN)	DATE/TIME
Fed Ex Airbill # 928999223 5	Jana H. Moore		(4/21/94 1120)

COC #001

LEGEND: Original: Return to Sample Traffic Control Center

001075

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

Samples sent 4/20/94

PROJECT NAME Hanford North Slope Site H-06-L PROJECT NUMBER 6110-001

Field Log Book Reference No. 1

SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES 8260	8080	8270	6010/7000	418.1 (W)	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS ESE #
94H06L	(W)-A19-03	005	4/20/94	1345	H-06-L(W) A19	soil	X					2x125ml		Grab
94H06L	(W)-A19-03	005	4/20/94	1345	H-06-L(W) A19	soil		X	X			1x250ml		Composite (5)
94H06L	(W)-A19-03	005	4/20/94	1345	H-06-L(W)A19	soil				X	X	1x250ml		Composite
94H06L	(W)-A19-04	005	4/20/94	1415	H-06-L(W)A19	soil	X					2x125ml		Grab
94H06L	(W)-A19-04	005	4/20/94	1415	H-06-L(W) A19	soil		X	X			1x250ml		Composite (6)
94H06L	(W)-A19-04	005	4/20/94	1415	H-06-L(W) A19	soil				X	X	1x250ml		Composite

Copies: Ship with Samples

LEGEND: Original: Return to Sample Traffic Control Center

ESE SAMPLE RECEIVING

LOG: 4/26/94

Field Group/#: CDMHN85

Sheet List: CDMHN85.01

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

Cooler Temp. (°C): 5

Preservation Audited? Y N (N.A.)

SAMPLED BY (SIGN) Jana H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① Jana H. Moore	②	③	④	⑤
DATE/TIME (4/21/94 1000)	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 (4/22/94 11:10)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)

METHOD OF SHIPMENT	SHIPPED BY (SIGN)	RECEIVED FOR LABORATORY BY (SIGN)	DATE/TIME
Federal Express Airbill # 928999 2110			(/)

COC #002

001076

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

SAMPLE LOG JHM 4/25/94

PROJECT NAME Hanford North Slope Site H-06-L PROJECT NUMBER 6110-001

~~Field Log~~ Book Reference No. 1

	SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES 8260	8080	8270	6010/7000	418.1(W)	8260 (WATER)	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
10	94H06L	(W)-A07-01	-001	4/22/94 ~~1545~~ JHM	1545	H06L(W) A07	Soil	X						2x125 ml	17	Grab EPA Level IV
	94H06L	(W)-A07-01	-001	4/22/94	1545	H06L(W) A07	Soil		X	X				1x250ml	17	Comp EPA Level IV
	94H06L	(W)-A07-01	-001	4/22/94	1545	H06L(W) A07	Soil				X	X		1x250ml	17	Comp EPA Level IV
11	94H06L	(W)-A07-02	-005	4/23/94	1000	H06L(W) A07	Soil	X						2x125 ml	19	Grab
	94H06L	(W)-A07-02	-005	4/23/94	1000	H06L(W) A07	Soil		X	X				1x125ml	19	Comp
	94H06L	(W)-A07-02	-005	4/23/94	1000	(H06L(W) A07	Soil				X	X		1x125ml	19	Comp
12	94H06L	(W)-A05-01	-004	4/23/94	1600	H06L(W) A05	Soil	X						2x250ml	21	Grab
	94H06L	(W)-A05-01	-004	4/23/94	1600	H06L(W) A05	Soil		X	X				1x125ml	21	Comp
	94H06L	(W)-A05-01	-004	4/23/94	1600	H06L(W) A05	Soil				X	X		1x125ml	21	Comp
2	94H06L	(W)-A05-01	-TB1	4/25/94	0815	H06L(W) A05	Water						X	3x40ml	23	Trip Blank #2
	~~94H06L~~	~~(W)-A05-01~~	~~TB1~~	~~4/25/94~~	~~0815~~	JHM 4/25/94										

ESE SAMPLE RECEIVING

LDD: 4/28/94

Field Group #: CDMHNSS / CDMHNSW

Storet List: CDMHNSS.1 / CDMHNSW.2

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

Cooler Temp: (°C) 4

Preservation Audited? Y N N.A.

SAMPLED BY (SIGN) Jane H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore DATE/TIME (4/25/94, 1200)	② DATE/TIME (/)	③ DATE/TIME ( )	④ DATE/TIME ( )	⑤ DATE/TIME (/)
RECEIVED BY (SIGN)	RECEIVED BY (SIGN)	RECEIVED BY (SIGN)	RECEIVED BY (SIGN)	RECEIVED BY (SIGN)
① DATE/TIME (/)	② DATE/TIME (/)	③ DATE/TIME (/)	④ DATE/TIME (/)	⑤ DATE/TIME (/)

METHOD OF SHIPMENT	SHIPPED BY (SIGN)	RECEIVED FOR LABORATORY BY (SIGN)	DATE/TIME
Federal Express (Airbill #9289992176)	Jane H. Moore	[signature]	4/26/94 11:00

COC #003

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

001077

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

PROJECT NAME Hanford North Slope Site H-06-L

PROJECT NUMBER 6110-001

Sample Jan (4/22/94)

~~Field~~ Log Book Reference No. 1

SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES 8260	8080	8270	6010/7000	418.1 W	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
94H06L	(w)-A17-01	003	4/21/94	1545	H-06-L(w) A17	Soil	X					2x125ml	13	Grab } 7
94H06L	(w)-A17-01	003	4/21/94	1545	H-06-L(w) A17	Soil		X	X			1x250ml	13	Composite } 7
94H06L	(w)-A17-01	003	4/21/94	1545	H-06-L(w) A17	Soil				X	X	1x250ml	13	Composite
94H06L	(w)-A16-01	002	4/22/94	0930	H-06-L(w) A16	Soil	X					2x125ml	15	Grab } 8
94H06L	(w)-A16-01	002	4/22/94	0930	H-06-L(w) A16	Soil		X	X			1x250ml	15	Comp } 8
94H06L	(w)-A16-01	002	4/22/94	0930	H-06-L(w) A16	Soil				X	X	1x250ml	15	Comp
94H06L	(w)-A-16-02	003	4/22/94	1005	H-06-L(w) A16	Soil	X					2x125ml	16	Grab } 9
94H06L	(w)-A16-02	003	4/22/94	1005	H-06-L(w) A16	Soil		X	X			1x250ml	16	Comp. } 9
94H06L	(w)-A16-02	003	4/22/94	1005	H-06-L(w) A16	Soil				X	X	1x250ml	16	Comp } 9

ESE SAMPLE RECEIVING

LDD: 4/26/94

Field Group/#: CDMHNSS

Storet List: CDMHNSS.1

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

Cooler Temp. (°C): 6

SAMPLED BY (SIGN) James H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore	②	③	④	⑤
DATE/TIME (4/22/94)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)
RECEIVED BY (SIGN)	**RECEIVED BY (SIGN)**	**RECEIVED BY (SIGN)**	**RECEIVED BY (SIGN)**	**RECEIVED BY (SIGN)**
① [signature]	②	③	④	⑤
DATE/TIME (4/23/94 1209 PM)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)

METHOD OF SHIPMENT	SHIPPED BY (SIGN)	RECEIVED FOR LABORATORY BY (SIGN)	DATE/TIME
Federal Express (Airbill #928999216 5)	James H. Moore		(/)

COC #004

Copies: Ship with Samples

LEGEND: Original: Return to Sample Traffic Control Center

001078

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

SAMPLE Shun 4/25/94

PROJECT NAME Hanford North Slope Site H-06L PROJECT NUMBER 6110-001

~~Field~~ Log Book Reference No. 1

SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES			8260	8080	8270	6010/7000	418.1 (TPH)			NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
94H06L	(w)-A05-01-	EB1	4/23/94	1515	H06L(w)	Water			X								3x40ml	21	Equipment Blank
94H06L	(w)-A05-01-	EB1	4/23/94	1515	H06L(w)	Water				X							2x1L	21	" "
94H06L	(w)-A05-01	EB1	4/23/94	1515	H06L(w)	water					X						2x1L	21	" "
94H06L	(w)-A05-01	EB1	4/23/94	1515	H06L(w)	water						X					1x1L	21	" "
94H06L	(w)-A05-01	EB1	4/23/94	1515	H06L(w)	water							X				2x1L	21	" "

+1

MSx2
ESx2
0x2
N

ESE SAMPLE RECEIVING

LDD: 4/28/94

Field Group/#: CDMHNSW *1

Storet List: CDMHNSW.1

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

Cooler Temp. (C): 4

Preservation Audited? (Y) N N.A.

SAMPLED BY (SIGN) James H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore	②	③	④	⑤
DATE/TIME (4/25/94 1260)	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 #9289992154)	James H. Moore	[signature]	(4/26/94 1100)

COC# 006

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

001079

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

PROJECT NAME Hanford North Slope Site H-06-L

PROJECT NUMBER 6110-001

Sample log sheet 4/26/94

~~Field Log~~ Book Reference No. 1

SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES: 8260	8080	8270	6010/7000	418.1 (W)	NUMBER OF CONTAINERS	LOG BOOK PG. NO.	REMARKS
94H06L	(W)-A05-02-	003	4/25/94	0900	H06L(W) A05	Soil	X					2x125-ml	24	grab }
94H06L	(W)-A05-02-	003	4/25/94	0900	H06L(W) A05	Soil		X X				1x250ml	24	comp } x 13
94H06L	(W)-A05-02-	003	4/25/94	0900	H06L(W) A05	Soil			X	X		1x250ml	24	comp }
94H06L	(W)-A05-03-	004	4/25/94	0910	H06L(W) A05	Soil	X					2x125ml	24	grab }
94H06L	(W)-A05-03-	004	4/25/94	0910	H06L(W) A05	Soil		X X				1x250ml	24	comp } x 14
94H06L	(W)-A05-03	004	4/25/94	0910	H06L(W) A05	Soil			X	X		1x250ml	24	comp }
94H06L	(W)-A04-01	005	4/25/94	1315	H06L(W) A04	Soil	X					2x125ml	25	grab }
94H06L	(W)-A04-01	005	4/25/94	1315	H06L(W) A04	Soil		X X				1x250ml	25	comp } x 15
94H06L	(W)-A04-01	005	4/25/94	1315	H06L(W) A04	Soil			X	X		1x250ml	25	comp }
94H06L	(W)-A04-02	012	4/25/94	1400	H06L(W) A04	Soil	X					2x125ml	25	grab }
94H06L	(W)-A04-02	012	4/25/94	1400	H06L(W) A04	Soil		X X				1x250ml	25	comp } x 16
94H06L	(W)-A04-02	012	4/25/94	1400	H06L(W) A04	Soil			X	X		1x250ml	25	comp }

ESE SAMPLE RECEIVING

LOD: 4/29/94

Field Group/w: CDMHN55

Storet List: CDMHN55.I

Cooler Temp. (°C): 4

Preservation Verified: Y

SAMPLED BY (SIGN) James H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore	②	③	④	⑤
DATE/TIME (4/26/94 1230)	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 (4/27/94 1110)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)	DATE/TIME (/)

METHOD OF SHIPMENT	SHIPPED BY (SIGN)	RECEIVED FOR LABORATORY BY (SIGN)	DATE/TIME
Federal Exp. Airbill # 9289992250	James H. Moore		(/)

(COC # 007)

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

001080

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

PROJECT NAME Hanford North Slope (Site H06L) PROJECT NUMBER 6110-001

Sample JHM 4/26/94
~~Field~~ Log Book Reference No. 1

	SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES 8260	8080	8270	6010/7000	418.1(W)	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
17	94H06L	(E)-A14-01-	001	4/27/94	1150	H06L(E)-A14	Soil	X					2X125ml	31	grab
	94H06L	(E)-A14-01-	001	4/27/94	1150	H06L(E)-A14	Soil		X	X			1X250ml	31	comp *17
	94H06L	(E)-A14-01-	001	4/27/94	1150	H06L(E)-A14	Soil				X	X	1X250ml	31	comp
18	94H06L	(E)-A14-02-	001	4/27/94	1210	H06L(E)-A14	Soil	X					2X125ml	31	grab
	94H06L	(E)-A14-02-	001	4/27/94	1210	H06L(E)-A14	Soil		X	X			1X250ml	31	comp *18
	94H06L	(E)-A14-02-	001	4/27/94	1210	H06L(E)-A14	Soil				X	X	1X250ml	31	comp
19	94H06L	(E)-A12-01-	010	4/27/94	1400	H06L(E)-A12	Soil	X					2X125ml	32	grab
	94H06L	(E)-A12-01-	010	4/27/94	1400	H06L(E)-A12	Soil		X	X			1X250ml	32	JHM 4/27/94 ~~comp~~ comp *19
	94H06L	(E)-A12-01	010	4/27/94	1400	H06L(E)-A12	Soil				X	X	1X250ml	32	comp
20	94H06L	(E)-A12-02	012	4/27/94	1510	H06L(E)-A12	Soil	X					2X125ml	33	grab
	94H06L	(E)-A12-02	012	4/27/94	1510	H06L(E)-A12	Soil		X	X			1X250ml	33	comp *20
	94H06L	(E)-A12-02	012	4/27/94	1510	H06L(E)-A12	Soil				X	X	1X250ml	33	comp

ESL SAMPLE RECEIVING
ODD: 5/1/94
Field Group/#: CDMHNSS
Storet List: CDMHNSS.1
Custody Seal(s) Intact?: Y N/A
Cooler Temp (C): 4
Preservation

SAMPLED BY (SIGN) James H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H Moore	②	③	④	⑤
DATE/TIME (4/28/94, 1200)	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 # ~~9289992224~~ JHM 4/28/94 9289992224)	James H. Moore	[signature]	(4/29/94 1100)

(COC #008)

Copies: Ship with Samples

LEGEND: Original: Return to Sample Traffic Control Center

001081

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

PROJECT NAME Hanford North Slope (Site H06L) PROJECT NUMBER 6110-001

SAMPLE LOG BOOK JHM 5/2/94
~~Field~~ Log Book Reference No. 1

	SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES 6260	8080	8270	6010/7000	418.1 (W)	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
21	94H06L	(E)-A11-01	-007	4/29/94	822	H06L(E) A11	Soil	X					2X125ml	39	grab - EPA Level IV
	94H06L	(E)-A11-01	-007	4/29/94	822	H06L(E) A11	Soil		X	X			1X250ml	39	comp - EPA Level IV
	94H06L	(E)-A11-01	-007	4/29/94	822	H06L(E) A11	Soil				X	X	1X250ml	39	comp EPA Level IV
22	94H06L	(E)-A01-01	-010	5/2/94	1115	H06L(E) A01	Soil	X					2X125ml	42	grab
	94H06L	(E)-A01-01	-010	5/2/94	1115	H06L(E) A01	Soil		X	X			1X250ml	42	comp
	94H06L	(E)-A01-01	-010	5/2/94	1115	H06L(E) A01	Soil				X	X	1X250ml	42	comp

ESE SAMPLE RECEIVING
LDD: 5/5/94
Field Group/#: CDMHN55
Storet List: CDMHN55.1
Custody Seal(s) Intact?: Y N N.A.
Cooler Temp. (°C): 5
Preservation Audited? Y N N.A

SAMPLED BY (SIGN) James H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore DATE/TIME (5/2/94 1230)	② DATE/TIME (/)	③ DATE/TIME (/)	④ DATE/TIME (/)	⑤ DATE/TIME (/)
RECEIVED BY (SIGN)	RECEIVED BY (SIGN)	RECEIVED BY (SIGN)	RECEIVED BY (SIGN)	RECEIVED BY (SIGN)
① DATE/TIME (/)	② DATE/TIME (/)	③ DATE/TIME (/)	④ DATE/TIME (/)	⑤ DATE/TIME (/)

METHOD OF SHIPMENT	SHIPPED BY (SIGN)	RECEIVED FOR LABORATORY BY (SIGN)	DATE/TIME
Federal Express (Airbill #9289992213)		[signature]	(5/3/94 1115)

(COC #010)

Copies: Ship with Samples

LEGEND: Original: Return to Sample Traffic Control Center

001082

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

PROJECT NAME Hanford North Slope (Site H06L) PROJECT NUMBER 6110-001

~~Field Log Book~~ SAMPLE LOG BOOK Reference No. 1

SAMPLE NUMBER	DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES: 8260	8080	8270	6010/7000	418.1(W)	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
94H06L (0)-CS1-01-000	5/3/94	0815	94H06L (0) CS1	Soil	X					2x125ml	45	grab
94H06L (0)-CS1-01-000	5/3/94	0815	94H06L (0) CS1	Soil		X	X			1x250ml	45	composite
94H06L (0)-CS1-01-000	5/3/94	0815	94H06L (0) CS1	Soil				X	X	1x250ml	45	composite

ESE SAMPLE RECEIVING

LDD: 5/6/94

Field Group #: CDMHNSS

Storet List: CDMHNSS.1

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

Cooler Temp. (°C): 5

Preservation Audited? Y N (N.A.)

SAMPLED BY (SIGN): James H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore	②	③	④	⑤
DATE/TIME (5/3/94 1200)	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 # 950161931 5)	James H. Moore		(5/4/94 1040)

COC #011

Copies: Ship with Samples

LEGEND: Original: Return to Sample Traffic Control Center

001083

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

PROJECT NAME Hanford North Slope (Site H06L) PROJECT NUMBER 6110-001

~~Field~~ SAMPLE Log Book Reference No. 1

	SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES 8260	8270	8080	6010/7000	418.1(W)	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS ESE#
24	94H06L	(E)-BG1-01-	002	5/3/94	1130	H06L(E) BG1	Soil	X					2x125ml	46	grab
	94H06L	(E)-BG1-01-	002	5/3/94	1130	H06L(E) BG1	Soil		X	X			1x250ml	46	comp } X24
	94H06L	(E)-BG1-01-	002	5/3/94	1130	H06L(E) BG1	Soil				X	X	1x250ml	46	comp
25	94H06L	(E)-SV1-01-	001	5/3/94	1235	H06L(E) SV1	Soil	X					2x125ml	47	grab
	94H06L	(E)-SV1-01-	001	5/3/94	1235	H06L(E) SV1	Soil		X	X			1x250ml	47	comp } X25
	94H06L	(E)-SV1-01-	001	5/3/94	1235	H06L(E) SV1	Soil				X	X	1x250ml	47	comp
26	94H06L	(W)-BG2-01-	002	5/3/94	1500	H06L(W) BG2	Soil	X					2x125ml	47	grab
	94H06L	(W)-BG2-01	002	5/3/94	1500	H06L(W) BG2	Soil		X	X			2x250ml	47	comp } X26
	94H06L	(W)-BG2-01	002	5/3/94	1500	H06L(W) BG2	Soil				X	X	1x250ml	47	comp
27	94H06L	(W)-BG2-02	002	5/3/94	1525	H06L(W) BG2	Soil	X					2x125ml	47	grab
	94H06L	(W)-BG2-02	002	5/3/94	1525	H06L(W) BG2	Soil		X	X			1x250ml	47	comp } X27
	94H06L	(W)-BG2-02	002	5/3/94	1525	H06L(W) BG2	Soil				X	X	1x250ml	47	comp

ESE SAMPLE RECEIVING
LDD: 5/7/94
Field Group/#: CDMHNSS
Storet List: CDMHNSS.1
Custody Seal(s) Intact?: Y N N/A
Cooler Temp. (C): 4 C
Preservation Received: Y N

SAMPLED BY (SIGN) James H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore	②	③	④	⑤
DATE/TIME (5/4/94 1200)	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 # 9501619326)	James H. Moore	[signature]	(5/5/94 1045)

COC #012

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

001084

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

SAMPLE JHM 5/4/94

PROJECT NAME Hanford North Slope (Site H-06-L) PROJECT NUMBER 6110-001

~~Field~~ Log Book Reference No. 1

	SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES 8260	8080	8270	6010/7000	418.1 W	8260 (water)	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
28	94H06L	(w)-A04-03	-020	[illegible]	0825	H06L(w)-A04	Soil	X						2x125ml	50	grab
	94H06L	(w)-A04-03	-020	[illegible]	0825	H06L(w)-A04	Soil		X	X				1x250ml	50	comp
	94H06L	(w)-A04-03	-020	5/4/94	0825	H06L(w)-A04	[illegible]				X	X		1x250ml	50	comp
29	94H06L	(w)-A04-04	-008	5/4/94	1050	H06L(w)-A04	Soil	X						2x125ml	51	grab Level IV
	94H06L	(w)-A04-04	-008	5/4/94	1050	H06L(w)-A04	Soil		X	X				1x250ml	51	comp Level IV
	94H06L	(w)-A04-04	-008	5/4/94	1050	H06L(w)-A04	Soil				X	X		1x250ml	51	comp Level IV
30	94H06L	(w)-SV2-01	-001	5/4/94	1305	H06L(w)-SV2	Soil	X						2x125ml	52	grab Level IV
	94H06L	(w)-SV2-01	-001	5/4/94	1305	H06L(w)-SV2	Soil		X	X				1x250ml	52	comp Level IV
	94H06L	(w)-SV2-01	-001	5/4/94	1305	H06L(w)-SV2	Soil				X	X		1x250ml	52	comp Level IV
31	94H06L	(w)-BG3-01	-002	[illegible]	1430	H06L(w)-BG3	Soil	X						2x125ml	52	grab
	94H06L	(w)-BG3-01	-002	5/4/94	1430	H06L(w)-BG3	[illegible]		X	X				1x250ml	52	comp
	94H06L	(w)-BG3-01	-002	5/4/94	1430	H06L(w)-BG3	Soil				X	X		1x250ml	52	comp
4	94H06L	(w)-BG3-01	-TB2	5/4/94	1530	H06L(w) BG3	Water						X	3x40ml	53	Trip Blank x4 CDMHNSW

ESE SAMPLE RECEIVING

LDD: 5/10/94

Field Group/#: CDMHNSS / CDMHNSW x4

Storet List: CDMHNSS-2 x9830 CDMHNSW x4

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

Cooler Temp. (C): 2

Preservation Audited? Y N N.A.

SAMPLED BY (SIGN) James H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore	②	③	④	⑤
DATE/TIME (5/5/94, 330)	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 Exp. (Airbill # ~~9501619326~~ 9501619352) JHM 5/5/94	James H. Moore	[signature]	5/6/94 1170

Cooler #1059

COC #013

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

001085

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

SAMPLE JHM 5/5/94

PROJECT NAME Hanford North Slope (site H06L) PROJECT NUMBER 6110-001

~~Field~~ Log Book Reference No. 1

SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES: B260	B270	8080	6010 7000	418.1 W	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
94H06L	(E)-WC1-01	-000	5/5/94	1035	H06L(E) WC1	Soil	X					2x125ml	56	grab (waste char)
94H06L	(E)-WC1-01	-000	5/5/94	1035	H06L(E) WC1	Soil		X	X			1x250ml	56	comp (waste char)
94H06L	(E)-WC1-01	-000	5/5/94	1035	H06L(E) WC1	Soil				X	X	1x250ml	56	comp (waste char)
94H06L	(W)-WC2-01	-000	5/5/94	1220	H06L(W) WC2	Soil	X					2x125ml	56	grab (waste char)
94H06L	(W)-WC2-01	-000	5/5/94	1220	H06L(W) WC2	Soil		X	X			1x250ml	56	~~grab~~ comp (waste char) JHM 5/9/94
94H06L	(W)-WC2-01	-000	5/5/94	1220	H06L(W) WC2	Soil				X	X	1x250ml	56	comp (waste char)

ESE SAMPLE RECEIVING

LDD: 5/10/94

Field Group/#: CDMHN55

Storet List: CDMHN55.T

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

Cooler Temp. (°C): 0

Preservation Audited? Y N (N.A.)

SAMPLED BY (SIGN) James H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore	②	③	④	⑤
DATE/TIME (5/5/94 1330)	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 # 950161933O)	James H. Moore	Cooler #1102	(5/6/94 1120)

(coc#015)

Copies: Ship with Samples

LEGEND: Original: Return to Sample Traffic Control Center

001086

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

Samples JHm 5/9/94

PROJECT NAME Hanford North Slope (Site H-06-L) PROJECT NUMBER 6110-001

~~Field~~ Log Book Reference No. 1

W #11

SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES 8260	8040	8270	6010/7000	418.1	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
94H06L	(w)-SV2-01	-EB2	5/9/94	0835	H06L(w)	Water	X					3x40ml	60	Equip. Rinsate
94H06L	(w)-SV2-01	-EB2	5/9/94	0835	H06L(w)	Water		X				2x1L	60	" "
94H06L	(w)-SV2-01	-EB2	5/9/94	0835	H06L(w)	Water			X			2x1L	60	" "
94H06L	(w)-SV2-01	-EB2	5/9/94	0835	H06L(w)	Water				X		1x1L	60	" "
94H06L	(w)-SV2-01	-EB2	5/9/94	0835	H06L(w)	Water					X	2x1L	60	" "

RESE SAMPLE RECEIVING

LDD: 5/12/94

Field Group/#: CDMHNSW #11

Storet List: CDMHNSW-3 5/10/94 0x2 N

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

Cooler Temp. (°C): 3

Preservation Audited? (Y) N N.A.

SAMPLED BY (SIGN) James H. Moore

WITH JIM MOORE 5/10/94 10:30 AM VOAS NOT ANALYZED PER PHONE CALL

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore	②	③	④	⑤
DATE/TIME (5/9/94 1200)	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
JHm 5/9/94 Federal Express (Airbill #~~928992154~~ #950161 9400)	James H. Moore		(5/10/94 1040)

(COC #016)

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

001087

F6260

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

Samples Shipped 5/9/94

PROJECT NAME Hanford North Slope (H-06-L) PROJECT NUMBER 6110-001

~~Field~~ Log Book Reference No. 1

SAMPLE NUMBER	DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES (8260, 8080, 8270, 6010/7000, Y/8.1)	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
94H06L (E)-A01-02-005	5/11/94	1254	H-06-L (E)	Soil	X	2 X 125ml	65	grab }
94H06L (E)-A01-02-005	5/11/94	1254	H-06-L (E)	Soil	X X	1 X 250ml	65	comp } +34
94H06L (E)-A01-02-005	5/11/94	1254	H-06-L (E)	Soil	X X	1 X 250ml	65	comp }
94H06L (E)-A01-03-005	5/11/94	1330	H-06-L (E)	Soil	X	2 X 125ml	65	grab }
94H06L (E)-A01-03-005	5/11/94	1330	H-06-L (E)	Soil	X X	1 X 250ml	65	comp } +35
94H06L (E)-A01-03-005	5/11/94	1330	H-06-L (E)	Soil	X X	1 X 250ml	65	comp }

ESE SAMPLE RECEIVING

LOD: 5/12/94

Field Group/#: CDMHN55

Storet List: CDMHN55.1

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

Cooler Temp. (C): 4

Preservation Audited? Y N (N.A.)

SAMPLED BY (SIGN) James H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore	②	③	④	⑤
DATE/TIME (5/12/94 1200)	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 (Air bill # 9501619363)	James H. Moore		(5/13/94 1040)

(COC #017)

Copies: Ship with Samples

LEGEND: Original: Return to Sample Traffic Control Center

001088

F62

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

PROJECT NAME Hanford North Slope (H-06-L) PROJECT NUMBER 6110-001

Sample Item 5/12/94

~~Field~~ Log Book Reference No. 1

SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES (8260 / 8270 / 8080 / 6010/7000 / 418.1 W)	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
94H06L	(E)-A01-04	-014	5/13/94	0840	H06L(E)	Soil	X	2x125ml	72	grab Level III
94H06L	(E)-A01-04	-014	5/13/94	0840	H06L(E)	Soil	X X	1x250ml	72	comp Level III
94H06L	(E)-A01-04	-014	5/13/94	0840	H06L(E)	Soil	X X	1x250ml	72	comp Level III
94H06L	(E)-A01-05	-012	5/13/94	0900	H06L(E)	Soil	X	2x125ml	72	grab
94H06L	(E)-A01-05	-012	5/13/94	0900	H06L(E)	Soil	X X	1x250ml	72	comp
94H06L	(E)-A01-05	-012	5/13/94	0900	H06L(E)	Soil	X X	1x250ml	72	comp
94H06L	(E)-A01-06	-010	5/13/94	1055	H06L(E)	Soil	X	2x125ml	73	grab
94H06L	(E)-A01-06	-010	5/13/94	1055	H06L(E)	Soil	X X	1x250ml	73	comp
94H06L	(E)-A01-06	-010	5/13/94	1055	H06L(E)	Soil	X X	1x250ml	73	comp

Copies: Ship with Samples

ESE SAMPLE RECEIVING

LDD 5/18/94

Field Group/#: CDMHNSS

Stored List: CDMHNSS.1 FOR 30, 38; CDMHNSS.2 FOR 36

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

SAMPLED BY (SIGN) James H. Moore

Cooler Temp. (°C): 2°

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore	②	③	④	⑤
DATE/TIME (5/13/94 300)	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# 950161938 5)	James H. Moore		(5/14/94 1130)

LEGEND: Original: Return to Sample Traffic Control Center

001089

CHAIN OF CUSTODY RECORD

CDM Federal Programs Corporation

Sample Sitm 5/12/94

PROJECT NAME Hanford North Slope (H-06-4) PROJECT NUMBER 6110-001

~~Field~~ Log Book Reference No. 1

SAMPLE NUMBER			DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	ANALYSES 8270	8080	6010/7000	418.1 W	NUMBER OF CONTAINERS	LOG. BOOK PG. NO.	REMARKS
94H06L	(E)-WW1-01	-000	5/13/94	1215	H06L (E&W)	Water	X				2x1L	74	Decon Wastewater
94H06L	(E)-WW1-01	-000	5/13/94	1215	H06L (E&W)	Water		X			2x1L	74	" "
94H06L	(E)-WW1-01	-000	5/13/94	1215	H06L (E&W)	Water			X		1x1L	74	" "
94H06L	(E)-WW1-01	-000	5/13/94	1215	H06L (E&W)	Water				X	2x1L	74	" "

ESE SAMPLE RECEIVING

LOD: 5/13/94

Field Group#: CDMHNSW#13

Stored List: CDMHNSW#1

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

Cooler Temp. (C): 4°

Preservation Audited? (Y) N N.A.

SAMPLED BY (SIGN) James H. Moore

RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)	RELINQUISHED BY (SIGN)
① James H. Moore	②	③	④	⑤
DATE/TIME (5/13/94 300)	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 # 950161939 6)	James H. Moore		(5/14/94 1130)

COC # 070

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

001090