APPENDIX A

ANALYTICAL DATA TABLES AND GEOGRAPHIC COORDINATES

Analytical Results –Field Screening by EPA Method 4042 (DDT Immunoassay Field Test Kits)

Location Code	Start Depth	End Depth	Depth Units	Analyte Name	Final Result	Qualifier	Result Units	Field Sample ID
SRW-1301	0	0.25	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-530
SRW-1302	0	0.25	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2411
SRW-1303	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-540
SRW-1303	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2412-1FT
SRW-1303	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2413-2FT
SRW-1304	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2410
SRW-1304	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2410-1FT
SRW-1304	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2410-2FT
SRW-1305	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2444
SRW-1306	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-2460
SRW-1307	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-2454
SRW-1308	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-2415
SRW-1308	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2415-1FT
SRW-1308	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2415-2FT
SRW-1309	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-543
SRW-1309	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2418-1FT
SRW-1309	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2419-2FT
SRW-1310	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-529
SRW-1310	1.75	2	Ft	TOTAL DDTS	0.40	U	mg/kg	HAAF-SRW-537-2FT

Analytical Results –Field Screening by EPA Method 4042 (DDT Immunoassay Field Test Kits)

Location Code	Start Depth	End Depth	Depth Units	Analyte Name	Final Result	Qualifier	Result Units	Field Sample ID
SRW-1311	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-542
SRW-1311	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2416-1FT
SRW-1311	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2417-2FT
SRW-1312	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2414
SRW-1312	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2414-1FT
SRW-1312	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2414-2FT
SRW-1313	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2451
SRW-1314	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-2459
SRW-1315	0	0.25	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2462
SRW-1316	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2455
SRW-1317	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-2421
SRW-1317	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2421-1FT
SRW-1317	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2421-2FT
SRW-1318	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-528
SRW-1318	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2422-1FT
SRW-1318	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2423-2FT
SRW-1319	0	0.25	Ft	TOTAL DDTS	1.00	U	mg/kg	HAAF-SRW-2420
SRW-1320	0	0.25	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2463
SRW-1321	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2456

Analytical Results –Field Screening by EPA Method 4042 (DDT Immunoassay Field Test Kits)

Location Code	Start Depth	End Depth	Depth Units	Analyte Name	Final Result	Qualifier	Result Units	Field Sample ID
SRW-1322	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2425
SRW-1322	0.75	1	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-2425-1FT
SRW-1322	1.75	2	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-2425-2FT
SRW-1323	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-527
SRW-1323	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2427-2FT
SRW-1324	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2424
SRW-1324	0.75	1	Ft	TOTAL DDTS	1.00	U	mg/kg	HAAF-SRW-2424-1FT
SRW-1325	0	0.25	Ft	TOTAL DDTS	1.00	U	mg/kg	HAAF-SRW-2452
SRW-1326	0	0.25	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2458
SRW-1327	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-2428
SRW-1327	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2428-1FT
SRW-1327	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2428-2FT
SRW-1328	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-709
SRW-1328	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-526-2FT
SRW-1329	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2429
SRW-1329	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2429-1FT
SRW-1329	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2429-2FT
SRW-1331	2.75	3	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-705-3FT
SRW-1332	0	0.25	Ft	TOTAL DDTS	2.00	U	mg/kg	HAAF-SRW-2457

Analytical Results –Field Screening by EPA Method 4042 (DDT Immunoassay Field Test Kits)

Location Code	Start Depth	End Depth	Depth Units	Analyte Name	Final Result	Qualifier	Result Units	Field Sample ID
SRW-1333	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2431
SRW-1333	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2431-1FT
SRW-1333	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2431-2FT
SRW-1334	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-707
SRW-1334	0.75	1	Ft	TOTAL DDTS	2.00	U	mg/kg	HAAF-SRW-531-1FT
SRW-1334	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-532-2FT
SRW-1335	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2430
SRW-1335	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2430-1FT
SRW-1335	1.75	2	Ft	TOTAL DDTS	0.40	U	mg/kg	HAAF-SRW-2430-2FT
SRW-1336	0	0.25	Ft	TOTAL DDTS	1.00	U	mg/kg	HAAF-SRW-2453
SRW-1337	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-2445
SRW-1338	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-2432
SRW-1338	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2432-1FT
SRW-1338	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2432-2FT
SRW-1339	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-533
SRW-1339	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2434-1FT
SRW-1339	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2435-2FT
SRW-1340	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2433
SRW-1340	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2433-1FT

Analytical Results –Field Screening by EPA Method 4042 (DDT Immunoassay Field Test Kits)

Location Code	Start Depth	End Depth	Depth Units	Analyte Name	Final Result	Qualifier	Result Units	Field Sample ID
SRW-1340	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2433-2FT
SRW-1341	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2448
SRW-1342	0	0.25	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2449
SRW-1343	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2437
SRW-1343	0.75	1	Ft	TOTAL DDTS	1.00	U	mg/kg	HAAF-SRW-2437-1FT
SRW-1343	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2437-2FT
SRW-1344	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-545
SRW-1344	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2440-1FT
SRW-1344	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2441-2FT
SRW-1345	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-534
SRW-1345	1.75	2	Ft	TOTAL DDTS	0.40	U	mg/kg	HAAF-SRW-538-2FT
SRW-1346	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-544
SRW-1346	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2438-1FT
SRW-1346	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2439-2FT
SRW-1347	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2436
SRW-1347	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2436-1FT
SRW-1347	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2436-2FT
SRW-1348	0	0.25	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2446
SRW-1349	0	0.25	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2447

Analytical Results –Field Screening by EPA Method 4042 (DDT Immunoassay Field Test Kits)

Location Code	Start Depth	End Depth	Depth Units	Analyte Name	Final Result	Qualifier	Result Units	Field Sample ID
SRW-1350	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-2442
SRW-1350	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2442-1FT
SRW-1350	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2442-2FT
SRW-1351	0	0.25	Ft	TOTAL DDTS	1.00	E	mg/kg	HAAF-SRW-535
SRW-1351	0.75	1	Ft	TOTAL DDTS	1.00	U	mg/kg	HAAF-SRW-539-1FT
SRW-1352	0	0.25	Ft	TOTAL DDTS	10.00	E	mg/kg	HAAF-SRW-2443
SRW-1352	0.75	1	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2443-1FT
SRW-1352	1.75	2	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-2443-2FT
SRW-1353	0	0.25	Ft	TOTAL DDTS	1.00	U	mg/kg	HAAF-SRW-2450
SRW-1354	0	0.25	Ft	TOTAL DDTS	0.40	U	mg/kg	HAAF-SRW-541
SRW-1355	0	0.25	Ft	TOTAL DDTS	0.20	U	mg/kg	HAAF-SRW-536
SRW-1356	0	0.25	Ft	TOTAL DDTS	1.00	U	mg/kg	HAAF-SRW-706
SRW-1357	0	0.25	Ft	TOTAL DDTS	1.00	U	mg/kg	HAAF-SRW-708

*Laboratory Qualifier – E = exceeds result; U = not detected at or above the result; no qualifier indicates the response was equivalent to the associated standard.

Sample Locations and Geographic Coordinates (North American Datum 1927, California State Plane Zone III, measured in feet)

Location Code	Northing	Easting
SRW-1301	573903.564	1421297.398
SRW-1302	573892.781	1421332.569
SRW-1303	573881.6587	1421308.209
SRW-1304	573869.8835	1421286.905
SRW-1305	573846.0553	1421243.656
SRW-1306	573817.6013	1421200.506
SRW-1307	573848.2143	1421410.643
SRW-1308	573835.6576	1421389.52
SRW-1309	573824.7287	1421366.557
SRW-1310	573814.2486	1421344
SRW-1311	573800.3622	1421323.286
SRW-1312	573788.8975	1421300.334
SRW-1313	573763.0319	1421255.159
SRW-1314	573738.1171	1421214.23
SRW-1315	573825.0755	1421450.865
SRW-1316	573808.1647	1421431.682
SRW-1317	573790.6301	1421414.652
SRW-1318	573769.3694	1421370.522
SRW-1319	573743.8248	1421326.22
SRW-1320	573803.5531	1421464.776
SRW-1321	573786.7961	1421446.327
SRW-1322	573758.335	1421403.891
SRW-1323	573746.3218	1421380.8
SRW-1324	573734.0606	1421359.106
SRW-1325	573707.9623	1421318.343
SRW-1326	573676.9235	1421305.894
SRW-1327	573699.3151	1421350.625
SRW-1328	573724.532	1421391.75
SRW-1329	573749.8248	1421438.463

Sample Locations and Geographic Coordinates (North American Datum 1927, California State Plane Zone III, measured in feet)

Location Code	Northing	Easting
SRW-1331	573703.2762	1421404.953
SRW-1332	573724.3798	1421476.988
SRW-1333	573694.8023	1421437.136
SRW-1334	573680.5083	1421415.958
SRW-1335	573669.7998	1421394.963
SRW-1336	573642.9938	1421352.032
SRW-1337	573626.8725	1421360.385
SRW-1338	573637.12	1421383.812
SRW-1339	573659.2311	1421429.513
SRW-1340	573686.3416	1421472.686
SRW-1341	573700.2652	1421493.081
SRW-1342	573685.9794	1421527.077
SRW-1343	573658.5904	1421485.061
SRW-1344	573647.0648	1421464.121
SRW-1345	573635.7107	1421439.587
SRW-1346	573626.1552	1421418.88
SRW-1346	573626.1552	1421418.88
SRW-1347	573618.0186	1421395.078
SRW-1348	573593.6136	1421348.661
SRW-1349	573568.1277	1421421.908
SRW-1350	573580.5215	1421442.033
SRW-1351	573591.3973	1421464.232
SRW-1352	573605.0236	1421486.996
SRW-1353	573630.4703	1421530.336
SRW-1354	573525.9029	1421500.342
SRW-1355	573503.2384	1421512.41
SRW-1356	573716.47	1421433.046
SRW-1357	573689.731	1421384.858

APPENDIX B

Analytical Report Forms

EMAX Laboratories, Inc.

SDG Login Review Sheet

Due Date: 2/7/04

Date: 1/23/04

Client Code: US_0401_

Client: USACE

Project: HAAF, Misc.S.I.

EMAX PM: Richard

SDG: 04A097

OK
RMB
1/23/04

Send Report To: Attn: John Yaremchuk

Company: USACE

Address: 1325 J Street
Sacramento CA 95814
NA

Lwks ID	Control #	Sample ID	Matrix	Coll Date	Time	Date Rcvd	Lwks Method	Analysis
EM86315	A097-01	HAAF-B35-760-V	SOIL	1/13/04	10:21	1/17/04	PESTS	Pesticides Organochlorine
EM86316	A097-02	HAAF-B35-761-V	SOIL	1/13/04	10:22	1/17/04	PESTS	Pesticides Organochlorine
EM86317	A097-03	HAAF-B35-762-V	SOIL	1/13/04	9:58	1/17/04	PESTS	Pesticides Organochlorine
EM86318	A097-04	HAAF-B41PD-680	SOIL	1/13/04	9:05	1/17/04	PESTS	Pesticides Organochlorine
EM86319	A097-05	HAAF-B41PD-681-8ft	SOIL	1/13/04	9:20	1/17/04	PESTS	Pesticides Organochlorine
EM86320	A097-06	HAAF-B41PD-682-8ft	SOIL	1/13/04	9:10	1/17/04	PESTS	Pesticides Organochlorine
EM86321	A097-07	HAAF-B41PD-683-8ft	SOIL	1/13/04	9:11	1/17/04	PESTS	Pesticides Organochlorine
EM86322	A097-08	HAAF-B41PD-684-8.5ft	SOIL	1/13/04	9:24	1/17/04	PESTS	Pesticides Organochlorine
EM86323	A097-09	HAAF-FITB-729	SOIL	1/15/04	9:10	1/17/04	MTLS	Metals by ICP
EM86324	A097-10	HAAF-FITB-730	SOIL	1/15/04	9:14	1/17/04	MTLS	Metals by ICP
EM86325	A097-11	HAAF-SR-766	SOIL	1/13/04	16:57	1/17/04	MTLS	Metals by ICP
	A097-11	HAAF-SR-766	SOIL	1/13/04	16:57	1/17/04	SVSIMS	Semivolatile Organics SIM
EM86326	A097-12	HAAF-SR-768	SOIL	1/13/04	15:05	1/17/04	MTLS	Metals by ICP
	A097-12	HAAF-SR-768	SOIL	1/13/04	15:05	1/17/04	SVSIMS	Semivolatile Organics SIM
EM86327	A097-13	HAAF-SR-769	SOIL	1/13/04	15:11	1/17/04	MTLS	Metals by ICP
	A097-13	HAAF-SR-769	SOIL	1/13/04	15:11	1/17/04	SVSIMS	Semivolatile Organics SIM
EM86328	A097-14	HAAF-SR-770	SOIL	1/13/04	15:29	1/17/04	MTLS	Metals by ICP
	A097-14	HAAF-SR-770	SOIL	1/13/04	15:29	1/17/04	SVSIMS	Semivolatile Organics SIM
EM86329	A097-15	HAAF-SRW-757-V	SOIL	1/14/04	17:47	1/17/04	PESTS	Pesticides Organochlorine
EM86330	A097-16	HAAF-SRW-758-V	SOIL	1/14/04	17:26	1/17/04	PESTS	Pesticides Organochlorine
EM86331	A097-17	HAAF-SRW-759-V	SOIL	1/14/04	17:10	1/17/04	PESTS	Pesticides Organochlorine
EM86332	A097-18	HAAF-TR-747	SOIL	1/15/04	11:03	1/17/04	MTLS	Metals by ICP
EM86333	A097-19	HAAF-TR-748	SOIL	1/15/04	11:11	1/17/04	MTLS	Metals by ICP
EM86334	A097-20	HAAF-TR-749	SOIL	1/15/04	11:22	1/17/04	MTLS	Metals by ICP
EM86335	A097-21	HAAF-TR-750	SOIL	1/15/04	11:28	1/17/04	MTLS	Metals by ICP
EM86336	A097-22	HAAF-TR-751	SOIL	1/15/04	11:34	1/17/04	MTLS	Metals by ICP
EM86337	A097-23	HAAF-TR-D-505	SOIL	1/15/04	11:11	1/17/04	MTLS	Metals by ICP
EM86338	A097-24	HAAF-UPDD-763-V	SOIL	1/14/04	16:22	1/17/04	PESTS	Pesticides Organochlorine
EM86339	A097-25	HAAF-UPDD-764-V	SOIL	1/14/04	14:35	1/17/04	PESTS	Pesticides Organochlorine
EM86340	A097-26	HAAF-UPDD-765-V	SOIL	1/14/04	15:23	1/17/04	PESTS	Pesticides Organochlorine
EM86341	A097-27	HAAF-UPDD-D-506-V	SOIL	1/14/04	0:00	1/17/04	PESTS	Pesticides Organochlorine
EM86342	A097-28	HAAF-IDW-1-W	WATER	1/16/04	14:00	1/17/04	MTLW	Metals by ICP
	A097-28	HAAF-IDW-1-W	WATER	1/16/04	14:00	1/17/04	PESTW	Pesticides Organochlorine
	A097-28	HAAF-IDW-1-W	WATER	1/16/04	14:00	1/17/04	SVSIMW	Semivolatile Organics SIM

USEPA Contract Laboratory Program
Generic Chain of Custody

C2

Reference Case
Client No:
SDG No: 04A097

L

Date Shipped: 1/16/2004	**Chain of Custody Record**	Sampler Signature:	**For Lab Use Only**
Carrier Name: FedEx	Relinquished By (Date / Time)	Received By (Date / Time)	Lab Contract No:
Airbill: 840946764285	Teresa M Lodgers 1/16/04	1-17-04 1115	Unit Price:
Shipped to: EMAX Laboratories, 1835 W. 205th Street, Torrance CA 90501, (310) 618-8889	2		Transfer To:
	3		Lab Contract No:
	4		Unit Price:

	SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
11	HAAF-SR-766	Soil/Sediment	/G	8270C SIM (21), SW 6010B (21)	(2)	HAAF-SR-766	S: 1/13/2004	16:57	
12	HAAF-SR-768	Soil/Sediment	/G	8270C SIM (21), SW 6010B (21)	(2)	HAAF-SR-768	S: 1/13/2004	15:05	
13	HAAF-SR-769	Soil/Sediment	/G	8270C SIM (21), SW 6010B (21)	(2)	HAAF-SR-769	S: 1/13/2004	15:11	
14	HAAF-SR-770	Soil/Sediment	/G	8270C SIM (21), SW 6010B (21)	(Not preserved) (2)	HAAF-SR-770	S: 1/13/2004	15:29	
15	HAAF-SRW-757-V	Soil/Sediment	/G	8081A (21)	111 (1)	HAAF-SRW-757-V	S: 1/14/2004	17:47	
16	HAAF-SRW-758-V	Soil/Sediment	/G	8081A (21)	111 (1)	HAAF-SRW-758-V	S: 1/14/2004	17:26	
17	HAAF-SRW-759-V	Soil/Sediment	/G	8081A (21)	111 (1)	HAAF-SRW-759-V	S: 1/14/2004	17:10	
18	HAAF-TR-747	Soil/Sediment	/G	SW 6010B (21)	(1)	HAAF-TR-747	S: 1/15/2004	11:03	
19	HAAF-TR-748	Soil/Sediment	/G	SW 6010B (21)	(1)	HAAF-TR-748	S: 1/15/2004	11:11	
20	HAAF-TR-749	Soil/Sediment	/G	SW 6010B (21)	(1)	HAAF-TR-749	S: 1/15/2004	11:22	

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC: HAAF-SPF-704, HAAF-SR-740	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3.4	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y

8081A = DDD,DDE,DDT, 8270C SIM = PAH, SW 6010B = Sb, As, Cd, Cr, Cu, Pb, Ni, Zn, SW 7471 = Hg

TR Number: Non-EPA-360645727-011604-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Generic Chain of Custody

C2

Reference Case
Client No:
SDG No: 04A097

L

Date Shipped:	1/16/2004
Carrier Name:	FedEx
Airbill:	840946764285
Shipped to:	EMAX Laboratories 1835 W. 205th Street Torrance CA 90501 (310) 618-8889

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Teresa M Rodgers	1/16/04	[illegible]	1-17-04 1115
2			
3			
4			

Sampler Signature:

For Lab Use Only
Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

	SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
21	HAAF-TR-750	Soil/Sediment	/G	SW 6010B (21)	(1)	HAAF-TR-750	S: 1/15/2004	11:28	
22	HAAF-TR-751	Soil/Sediment	/G	SW 6010B (21)	(1)	HAAF-TR-751	S: 1/15/2004	11:34	
23	HAAF-TR-D-505	Soil/Sediment	/G	SW 6010B (21)	(1)	HAAF-TR-D-505	S: 1/15/2004	11:11	
24	HAAF-UPDD-763-V	Soil/Sediment	/G	8081A (21)	111 (1)	HAAF-UPDD-763-V	1/14/04	16:22	
25	HAAF-UPDD-764-V	Soil/Sediment	/G	8081A (21)	111 (1)	HAAF-UPDD-764-V	S: 1/14/2004	14:35	
26	HAAF-UPDD-765-V	Soil/Sediment	/G	8081A (21)	111 (1)	HAAF-UPDD-765-V	S: 1/14/2004	15:23	
27	HAAF-UPDD-D-506-V	Soil/Sediment	/G	8081A (21)	111 (1)	HAAF-UPDD-D-506-V	1/14		
28	HAAF-IDW-1-W				(3)	water			

PAHs by 8270C 1/16/04
Metals by 6010B 1400.
DDTs by 8081A

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: HAAF-SPF-704, HAAF-SR-740	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 3.4	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ✓ Shipment Iced? ✓

8081A = DDD,DDE,DDT, 8270C SIM = PAH, SW 6010B = Sb, As, Cd, Cr, Cu, Pb, Ni, Zn, SW 7471 = Hg

TR Number: Non-EPA-360645727-011604-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

LABORATORY COPY

SAMPLE RECEIPT FORM 1

Type of Delivery	Delivered By/Airbill	ECN	04A097
☐ EMAX Courier		Recepient	Jon Luna
☐ Client Delivery		Date	1-17-04
☑ Third Party FEDEX	840946764285	Time	1115

COC Inspection

☑ Client Name	☐ Sampler Name	☑ Sampling Date/Time/Location
☑ Address	☐ Courier Signature/Date/Time	☑ Analysis Required
☑ Client PM/FC	☐ TAT	☑ Matrix
☑ Tel #/Fax #	☑ Sample ID	☑ Preservative (if any)
Safety Issues ☑ None	☐ High Concentrations expected	☐ Superfund Site Samples
Comments: ☐ Rad Screening Required		

Packaging Inspection

Container	☑ Cooler	☐ Box	☐	☐
Condition	☐ Custody Seal	☐ Intact	☐ Damaged	☐
Packaging	☑ Bubble Pack	☐ Styrofoam	☑ Sufficient	☑ Plastic bag
Temperatures	☑ Cooler 3.4°C	☑ Cooler 2 ____	☐ Cooler 3 ____	☐ Cooler 4 ____
	☐ Cooler 5 ____	☐ Cooler 6 ____	☐ Cooler 7 ____	☐ Cooler 8 ____
	☐ Cooler 9 ____	☐ Cooler 10 ____	☐ Cooler 11 ____	☐ Cooler 12 ____

Comments:

LSCID	Client ID	Discrepancy	Corrective Action
A097-24	HAAF-VOOO-763-V	DATE = TIME ON LABEL READS 1/14/04, 1622, (NO DATE = TIME ON COC)	Use date & time from label
-27	HAAF-VOOO-506-V		
-28	HAAF-10W-1-W	DATE = TIME ON LABEL READS 1/16/04, 1400, ALL ANALYSIS ARE REQ'STD ON EACH CONTAINER (WATER)	

LSCID : Lab Sample Container ID

REVIEWS

Sample Labeling [signature] Date 01-17-04

SRF [signature] Date 1/21/04

PM [signature] Date 1/21/04

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	01/14/04
Project	: HAAF, MISC.S.I.	Date Received:	01/17/04
Batch No.	: 04A097	Date Extracted:	01/23/04 13:00
Sample ID:	HAAF-SRW-757-V	Date Analyzed:	01/28/04 13:43
Lab Samp ID:	A097-15	Dilution Factor:	1
Lab File ID:	SA27049A	Matrix :	SOIL
Ext Btch ID:	CPA018S	% Moisture :	36.2
Calib. Ref.:	SA27043A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	(.24E)|.17E	.0031	.0014|.0014
4,4'-DDD	(.028)|.023	.0031	.0015|.0015
4,4'-DDT	.047|(.048)	.0031	.00099|.00099
TOTAL DDT	(.31E)|.24E	.0031	.00099|.00099

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	(116)|97	50-130
DECACHLOROBIPHENYL	79|(132)	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
( ) included the reported column

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	01/14/04
Project	: HAAF, MISC.S.I.	Date Received:	01/17/04
Batch No.	: 04A097	Date Extracted:	01/23/04 13:00
Sample ID:	HAAF-SRW-758-V	Date Analyzed:	01/28/04 14:08
Lab Samp ID:	A097-16	Dilution Factor:	1
Lab File ID:	SA27050A	Matrix :	SOIL
Ext Btch ID:	CPA018S	% Moisture :	54.6
Calib. Ref.:	SA27043A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	.038|(.041)	.0044	.002|.002
4,4'-DDD	(.0091)|.0087	.0044	.0021|.0021
4,4'-DDT	.0077|(.019)	.0044	.0014|.0014
TOTAL DDT	.055|(.068)	.0044	.0014|.0014

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	(118)|96	50-130
DECACHLOROBIPHENYL	84|(87)	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
( ) included the reported column

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	01/14/04
Project	: HAAF, MISC.S.I.	Date Received:	01/17/04
Batch No.	: 04A097	Date Extracted:	01/23/04 13:00
Sample ID:	HAAF-SRW-759-V	Date Analyzed:	01/29/04 09:17
Lab Samp ID:	A097-17	Dilution Factor:	5
Lab File ID:	SA27094A	Matrix :	SOIL
Ext Btch ID:	CPA018S	% Moisture :	31.5
Calib. Ref.:	SA27080A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	(2.2E)|1.2E	.015	.0067|.0067
4,4'-DDD	(.43E)|.35E	.015	.0071|.0071
4,4'-DDT	(.86E)|.75E	.015	.0046|.0046
TOTAL DDT	(3.5E)|2.3E	.015	.0046|.0046

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	98|(103)	50-130
DECACHLOROBIPHENYL	85|(102)	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
( ) included the reported column

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	01/14/04
Project	: HAAF, MISC.S.I.	Date Received:	01/17/04
Batch No.	: 04A097	Date Extracted:	01/23/04 13:00
Sample ID:	HAAF-SRW-757-VDL	Date Analyzed:	01/29/04 08:52
Lab Samp ID:	A097-15T	Dilution Factor:	6
Lab File ID:	SA27093A	Matrix :	SOIL
Ext Btch ID:	CPA018S	% Moisture :	36.2
Calib. Ref.:	SA27080A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	.23|(.25)	.019	.0086|.0086
4,4'-DDD	(.019)|.015J	.019	.0091|.0091
4,4'-DDT	.049|(.053)	.019	.006|.006
TOTAL DDT	.3|(.31)	.019	.006|.006

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	98|(104)	50-130
DECACHLOROBIPHENYL	(105)|89	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
( ) included the reported column

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected	: 01/14/04
Project	: HAAF, MISC.S.I.	Date Received	: 01/17/04
Batch No.	: 04A097	Date Extracted	: 01/23/04 13:00
Sample ID	: HAAF-SRW-759-VDL	Date Analyzed	: 01/29/04 11:49
Lab Samp ID	: A097-17T	Dilution Factor	: 100
Lab File ID	: SA27100A	Matrix	: SOIL
Ext Btch ID	: CPA018S	% Moisture	: 31.5
Calib. Ref.	: SA27097A	Instrument ID	: GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	(5.5)|5.4	.29	.13|.13
4,4'-DDD	(.32)|.27J	.29	.14|.14
4,4'-DDT	(.64)|.61	.29	.093|.093
TOTAL DDT	(6.5)|6.3	.29	.093|.093

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	DO|DO	50-130
DECACHLOROBIPHENYL	DO|DO	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
( ) included the reported column

SW3520C/8081A
PESTICIDES

Client	: USACE	Date Collected:	NA
Project	: HAAF, MISC.S.I.	Date Received:	01/22/04
Batch No.	: 04A097	Date Extracted:	01/22/04 18:00
Sample ID:	MBLK1W	Date Analyzed:	01/28/04 22:21
Lab Samp ID:	CPA017WB	Dilution Factor:	1
Lab File ID:	SA27068A	Matrix :	WATER
Ext Btch ID:	CPA017W	% Moisture :	NA
Calib. Ref.:	SA27058A	Instrument ID :	GCT008

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
4,4'-DDE	(ND)|ND	.2	.03|.03
4,4'-DDD	(ND)|ND	.2	.03|.03
4,4'-DDT	(ND)|ND	.2	.02|.02
TOTAL DDT	(ND)|ND	.2	.02|.02

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	97|(102)	50-130
DECACHLOROBIPHENYL	83|(90)	60-140

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
( ) included the reported column

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	NA
Project	: HAAF, MISC.S.I.	Date Received:	01/23/04
Batch No.	: 04A097	Date Extracted:	01/23/04 13:00
Sample ID:	MBLK1S	Date Analyzed:	01/29/04 00:02
Lab Samp ID:	CPA018SB	Dilution Factor:	1
Lab File ID:	SA27072A	Matrix :	SOIL
Ext Btch ID:	CPA018S	% Moisture :	NA
Calib. Ref.:	SA27058A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	(ND)|ND	.002	.00092|.00092
4,4'-DDD	(ND)|ND	.002	.00097|.00097
4,4'-DDT	(ND)|ND	.002	.00063|.00063
TOTAL DDT	(ND)|ND	.002	.00063|.00063

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	(97)|96	50-130
DECACHLOROBIPHENYL	86|(90)	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
( ) included the reported column

EMAX QUALITY CONTROL DATA
LCS ANALYSIS

CLIENT: USACE
PROJECT: HAAF, MISC.S.I.
BATCH NO.: 04A097
METHOD: SW3550B/8081A

MATRIX: SOIL % MOISTURE: NA
DILUTION FACTOR: 1 1
SAMPLE ID: MBLK1S
LAB SAMP ID: CPA018SB CPA018SL
LAB FILE ID: SA27072A SA27031A
DATE EXTRACTED: 01/23/0413:00 01/23/0413:00 DATE COLLECTED: NA
DATE ANALYZED: 01/29/0400:02 01/28/0404:36 DATE RECEIVED: 01/23/04
PREP. BATCH: CPA018S CPA018S
CALIB. REF: SA27058A SA27027A

ACCESSION:

PARAMETER	BLNK RSLT (mg/kg)	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	QC LIMIT (%)
4,4'-DDT	(ND)|ND	.0133	.00969|(.0107)	73|(80)	40-160

SURROGATE PARAMETER	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	QC LIMIT (%)
Tetrachloro-m-xylene	.0133	.01|(.0101)	(75)|75	50-130
Decachlorobiphenyl	.0266	.0218|(.0222)	82|(83)	50-150

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: USACE
PROJECT: HAAF, MISC.S.I.
BATCH NO.: 04A097
METHOD: SW3520C/8081A

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	CPA017WB	CPA017WL	CPA017WC		
LAB FILE ID:	SA27068A	SA27069A	SA27070A		
DATE EXTRACTED:	01/22/0418:00	01/22/0418:00	01/22/0418:00	DATE COLLECTED:	NA
DATE ANALYZED:	01/28/0422:21	01/28/0422:46	01/28/0423:12	DATE RECEIVED:	01/22/04
PREP. BATCH:	CPA017W	CPA017W	CPA017W		
CALIB. REF:	SA27058A	SA27058A	SA27058A		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
4,4'-DDT	(ND)|ND	.4	(.41)|.351	(102)|88	.4	(.408)|.351	(102)|88	(0)|0	50-160	30

SURROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
Tetrachloro-m-xylene	.4	(.329)|.326	(82)|81	.4	.329|(.33)	82|(82)	50-130
Decachlorobiphenyl	.8	.644|(.645)	80|(81)	.8	(.652)|.648	(81)|81	60-140

EMAX QUALITY CONTROL DATA
MS/MSD ANALYSIS

CLIENT: USACE
PROJECT: HAAF, MISC.S.I.
BATCH NO.: 04A097
METHOD: SW3550B/8081A

MATRIX: SOIL % MOISTURE: 12.7

DILUTION FACTOR:	1	1	1
SAMPLE ID:	HAAF-UPDD-764-V		
LAB SAMP ID:	A097-25	A097-25M	A097-25S
LAB FILE ID:	SA27107A	SA27108A	SA27109A
DATE EXTRACTED:	01/23/0413:00	01/23/0413:00	01/23/0413:00
DATE ANALYZED:	01/29/0414:49	01/29/0415:14	01/29/0415:40
PREP. BATCH:	CPA018S	CPA018S	CPA018S
CALIB. REF:	SA27097A	SA27097A	SA27097A

DATE COLLECTED: 01/14/04
DATE RECEIVED: 01/17/04

ACCESSION:

PARAMETER	SMPL RSLT (mg/kg)	SPIKE AMT (mg/kg)	MS RSLT (mg/kg)	MS % REC	SPIKE AMT (mg/kg)	MSD RSLT (mg/kg)	MSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
4,4'-DDT	(.0059)|.005	.0153	(.0184)|.0158	(82)|71	.0153	(.0164)|.0147	(69)|64	(11)|7	40-160	35

SURROGATE PARAMETER	SPIKE AMT (mg/kg)	MS RSLT (mg/kg)	MS % REC	SPIKE AMT (mg/kg)	MSD RSLT (mg/kg)	MSD % REC	QC LIMIT (%)
Tetrachloro-m-xylene	.0153	.0124|(.0127)	81|(83)	.0153	.0108|(.0109)	70|(72)	50-130
Decachlorobiphenyl	.0306	.0247|(.0251)	81|(82)	.0306	.0238|(.024)	78|(78)	50-150

* : Out side of QC Limit.

04B154

E1

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Page 1 of 1

Project Name/No. 1 HAAF BRAC Misc. II
Sample Team Members 2 Tim Crummett, Fred Hart
Profit Center No. 3 —
Project Manager 4 Kathy Siebenmann
Purchase Order No. 6 PRC# 02460
Required Report Date 11 March 12, 2004

Samples Shipment Date 7 Feb. 26, 2004
Lab Destination 8 E-Max
Lab Contact 9 Richard ~~Bauer~~ Beauvil TMR
Project Contact/Phone 12 310/618-8889
Carrier/Waybill No. 13 841820086696 / FedEx

Bill to: 5 Kathy Siebenmann
USACE SPK
1325 J Street
Sacramento, CA 95814

Report to: 10 Same as "Bill to" address

White: To accompany samples
Yellow: Field copy
*See back of form for special instructions.

ONE CONTAINER PER LINE

	Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
1.	HAAF-BRAC IDW-W2	IDW water	2-24-04 1400	Amber Glass	2x 1L	4°C	SW 8081-DDT, DDE, DDD, Total DDT		
2.	HAAF-SRW-2410-1FT	SOIL	2-24-04 0830	Glass jar	8 oz			FOR LAB USE ONLY	
3.	HAAF-SRW-2452		2-23-04 1733						
4.	HAAF-SRW-2444		2-23-04 0832						
5.	HAAF-WPDD-2552-2FT		2-23-04 1540						
6.	HAAF-WPDD-2554		2-24-04 1504					FOR LAB USE ONLY	
7.	HAAF-WPDD-2544		2-23-04 1445						
							T Rodgers 2/26/04		T=2.9°C

Special Instructions: 23 Call Teresa Rodgers or Kathy Siebenmann for applicable QAPP "Hamilton BRAC Misc. Sampling" requirements

Possible Hazard Identification: 24
Non-hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: 25
Return to Client ☐ Disposal by Lab ☒ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☐ Rush ☒ 14-day Turn-around

QC Level: 27
I. ☐ II. ☐ III. ☒ TMR Project Specific (specify): According to SOW

1. Relinquished by 28 (Signature/Affiliation) Teresa M Rodgers USACE	Date: 2/26/04 Time: 1600	1. Received by 28 FED EX (Signature/Affiliation)	Date: Time:
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: 02.27.04 Time: 9:15
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29 * Invoice separately from other project (the CSM samples). Please provide separate data package for the BRAC Misc. II samples. Thanks, Teresa Rodgers 2/26/04

PLEASE INCLUDE PRC# 02460 WHEN BILLING

1001

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	02/24/04
Project	: HAAF, MISC.S.I.	Date Received:	02/27/04
Batch No.	: 04B154	Date Extracted:	03/01/04 15:00
Sample ID:	HAAF-SRW-2410-1FT	Date Analyzed:	03/04/04 09:09
Lab Samp ID:	B154-02	Dilution Factor:	1
Lab File ID:	SC03049A	Matrix :	SOIL
Ext Btch ID:	CPC001S	% Moisture :	34.4
Calib. Ref.:	SC03045A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	(.3E)|.2E	.003	.0014|.0014
4,4'-DDD	(.018)|.018	.003	.0015|.0015
4,4'-DDT	.076E|(.079E)	.003	.00097|.00097
TOTAL DDT	(.40E)|.29E	.003	.00097|.00097

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	(80)|78	50-130
DECACHLOROBIPHENYL	(71)|67	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
Final result indicated by ( )

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	02/23/04
Project	: HAAF, MISC.S.I.	Date Received:	02/27/04
Batch No.	: 04B154	Date Extracted:	03/01/04 15:00
Sample ID:	HAAF-SRW-2450	Date Analyzed:	03/04/04 09:34
Lab Samp ID:	B154-03	Dilution Factor:	1
Lab File ID:	SC03050A	Matrix :	SOIL
Ext Btch ID:	CPC001S	% Moisture :	46.2
Calib. Ref.:	SC03045A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	(.16E)|.15E	.0037	.0017|.0017
4,4'-DDD	(.063)|.056	.0037	.0018|.0018
4,4'-DDT	(.14E)|.13E	.0037	.0012|.0012
TOTAL DDT	(.36E)|.33E	.0037	.0012|.0012

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	(90)|79	50-130
DECACHLOROBIPHENYL	(69)|64	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
Final result indicated by ( )

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	02/23/04
Project	: HAAF, MISC.S.I.	Date Received:	02/27/04
Batch No.	: 04B154	Date Extracted:	03/01/04 15:00
Sample ID:	HAAF-SRW-2444	Date Analyzed:	03/04/04 09:59
Lab Samp ID:	B154-04	Dilution Factor:	1
Lab File ID:	SC03051A	Matrix :	SOIL
Ext Btch ID:	CPC001S	% Moisture :	39.7
Calib. Ref.:	SC03045A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	(.56E)|.29E	.0033	.0015|.0015
4,4'-DDD	(.096E)|.082E	.0033	.0016|.0016
4,4'-DDT	(.66E)|.41E	.0033	.0011|.0011
TOTAL DDT	(1.3E)|.78E	.0033	.0011|.0011

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	(84)|76	50-130
DECACHLOROBIPHENYL	66|(74)	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
Final result indicated by ( )

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	02/24/04
Project	: HAAF, MISC.S.I.	Date Received:	02/27/04
Batch No.	: 04B154	Date Extracted:	03/01/04 15:00
Sample ID:	HAAF-SRW-2410-1FTDL	Date Analyzed:	03/04/04 16:20
Lab Samp ID:	B154-02T	Dilution Factor:	10
Lab File ID:	SC03063A	Matrix :	SOIL
Ext Btch ID:	CPC001S	% Moisture :	34.4
Calib. Ref.:	SC03060A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	.31|(.34)	.03	.014|.014
4,4'-DDD	(ND)|ND	.03	.015|.015
4,4'-DDT	(.066)|.066	.03	.0097|.0097
TOTAL DDT	.38|(.41)	.03	.0097|.0097

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	76|(80)	50-130
DECACHLOROBIPHENYL	(75)|72	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
Final result indicated by ( )

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	02/23/04
Project	: HAAF, MISC.S.I.	Date Received:	02/27/04
Batch No.	: 04B154	Date Extracted:	03/01/04 15:00
Sample ID:	HAAF-SRW-2450DL	Date Analyzed:	03/04/04 16:45
Lab Samp ID:	B154-03T	Dilution Factor:	4
Lab File ID:	SC03064A	Matrix :	SOIL
Ext Btch ID:	CPC001S	% Moisture :	46.2
Calib. Ref.:	SC03060A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	.15|(.16)	.015	.0068|.0068
4,4'-DDD	(.051)|.05	.015	.0072|.0072
4,4'-DDT	(.14)|.13	.015	.0047|.0047
TOTAL DDT	(.35)|.33	.015	.0047|.0047

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	74|(77)	50-130
DECACHLOROBIPHENYL	71|(73)	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
Final result indicated by ( )

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	02/23/04
Project	: HAAF, MISC.S.I.	Date Received:	02/27/04
Batch No.	: 04B154	Date Extracted:	03/01/04 15:00
Sample ID:	HAAF-SRW-2444DL	Date Analyzed:	03/04/04 17:10
Lab Samp ID:	B154-04T	Dilution Factor:	5
Lab File ID:	SC03065A	Matrix :	SOIL
Ext Btch ID:	CPC001S	% Moisture :	39.7
Calib. Ref.:	SC03060A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	(1.4E)|.98E	.017	.0076|.0076
4,4'-DDD	(.048)|.047	.017	.008|.008
4,4'-DDT	(.91E)|.81E	.017	.0053|.0053
TOTAL DDT	(2.4E)|1.8E	.017	.0053|.0053

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	76|(79)	50-130
DECACHLOROBIPHENYL	74|(81)	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
Final result indicated by ( )

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	02/23/04
Project	: HAAF, MISC.S.I.	Date Received:	02/27/04
Batch No.	: 04B154	Date Extracted:	03/01/04 15:00
Sample ID:	HAAF-SRW-2444DL	Date Analyzed:	03/04/04 17:35
Lab Samp ID:	B154-04I	Dilution Factor:	30
Lab File ID:	SC03066A	Matrix :	SOIL
Ext Btch ID:	CPC001S	% Moisture :	39.7
Calib. Ref.:	SC03060A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	1.4|(1.5)	.10	.046|.046
4,4'-DDD	(ND)|ND	.10	.048|.048
4,4'-DDT	(.77)|.73	.10	.032|.032
TOTAL DDT	(2.3)|2.1	.10	.032|.032

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	DO|DO	50-130
DECACHLOROBIPHENYL	DO|DO	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
Final result indicated by ( )

DO : Diluted out

SW3550B/8081A
PESTICIDES

Client	: USACE	Date Collected:	NA
Project	: HAAF, MISC.S.I.	Date Received:	03/01/04
Batch No.	: 04B154	Date Extracted:	03/01/04 15:00
Sample ID:	MBLK1S	Date Analyzed:	03/04/04 05:21
Lab Samp ID:	CPC001SB	Dilution Factor:	1
Lab File ID:	SC03040A	Matrix :	SOIL
Ext Btch ID:	CPC001S	% Moisture :	NA
Calib. Ref.:	SC03029A	Instrument ID :	GCT008

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
4,4'-DDE	(ND)|ND	.002	.00092|.00092
4,4'-DDD	(ND)|ND	.002	.00097|.00097
4,4'-DDT	(ND)|ND	.002	.00063|.00063
TOTAL DDT	(ND)|ND	.002	.00063|.00063

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	77|(80)	50-130
DECACHLOROBIPHENYL	75|(79)	50-150

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
Final result indicated by ( )

SW3520C/8081A
PESTICIDES

Client	: USACE	Date Collected:	NA
Project	: HAAF, MISC.S.I.	Date Received:	03/01/04
Batch No.	: 04B154	Date Extracted:	03/01/04 17:00
Sample ID:	MBLK1W	Date Analyzed:	03/04/04 03:40
Lab Samp ID:	CPC004WB	Dilution Factor:	1
Lab File ID:	SC03036A	Matrix :	WATER
Ext Btch ID:	CPC004W	% Moisture :	NA
Calib. Ref.:	SC03029A	Instrument ID :	GCT008

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
4,4'-DDE	(ND)|ND	.2	.03|.03
4,4'-DDD	(ND)|ND	.2	.03|.03
4,4'-DDT	(ND)|ND	.2	.02|.02
TOTAL DDT	(ND)|ND	.2	.02|.02

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	(83)|82	50-130
DECACHLOROBIPHENYL	79|(85)	60-140

RL : Reporting limit
Left of | is related to first column ; Right of | related to second column
Final result indicated by ( )

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: USACE
PROJECT: HAAF, MISC.S.I.
BATCH NO.: 04B154
METHOD: SW3550B/8081A

MATRIX:	SOIL			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1S				
LAB SAMP ID:	CPC001SB	CPC001SL	CPC001SC		
LAB FILE ID:	SC03040A	SC03041A	SC03042A		
DATE EXTRACTED:	03/01/0415:00	03/01/0415:00	03/01/0415:00	DATE COLLECTED:	NA
DATE ANALYZED:	03/04/0405:21	03/04/0405:47	03/04/0406:12	DATE RECEIVED:	03/01/04
PREP. BATCH:	CPC001S	CPC001S	CPC001S		
CALIB. REF:	SC03029A	SC03029A	SC03029A		

ACCESSION:

PARAMETER	BLNK RSLT (mg/kg)	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	SPIKE AMT (mg/kg)	BSD RSLT (mg/kg)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
4,4'-DDE	(ND)|ND	.0133	.0108|(.011)	81|(83)	.0133	.0107|(.0109)	80|(82)	1|(1)	60-150	50
4,4'-DDD	(ND)|ND	.0133	(.0103)|.00772	(77)|58*	.0133	(.0105)|.00785	(79)|59*	(2)|2	60-160	50
4,4'-DDT	(ND)|ND	.0133	(.013)|.0127	(98)|95	.0133	(.0132)|.0128	(99)|96	(2)|1	40-160	50

SURROGATE PARAMETER	SPIKE AMT (mg/kg)	BS RSLT (mg/kg)	BS % REC	SPIKE AMT (mg/kg)	BSD RSLT (mg/kg)	BSD % REC	QC LIMIT (%)
Tetrachloro-m-xylene	.0133	.00966|(.0103)	72|(77)	.0133	.0092|(.00978)	69|(73)	50-130
Decachlorobiphenyl	.0266	.0221|(.0222)	83|(83)	.0266	(.0231)|.023	(86)|86	50-150

EMAX QUALITY CONTROL DATA
LCS/LCD ANALYSIS

CLIENT: USACE
PROJECT: HAAF, MISC.S.I.
BATCH NO.: 04B154
METHOD: SW3520C/8081A

MATRIX:	WATER			% MOISTURE:	NA
DILUTION FACTOR:	1	1	1		
SAMPLE ID:	MBLK1W				
LAB SAMP ID:	CPC004WB	CPC004WL	CPC004WC		
LAB FILE ID:	SC03036A	SC03037A	SC03038A		
DATE EXTRACTED:	03/01/0417:00	03/01/0417:00	03/01/0417:00	DATE COLLECTED:	NA
DATE ANALYZED:	03/04/0403:40	03/04/0404:06	03/04/0404:31	DATE RECEIVED:	03/01/04
PREP. BATCH:	CPC004W	CPC004W	CPC004W		
CALIB. REF:	SC03029A	SC03029A	SC03029A		

ACCESSION:

PARAMETER	BLNK RSLT (ug/L)	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	RPD (%)	QC LIMIT (%)	MAX RPD (%)
4,4'-DDE	(ND)|ND	.4	.296|(.314)	74|(78)	.4	.285|(.295)	71|(74)	4|(6)	60-150	30
4,4'-DDD	(ND)|ND	.4	(.306)|.23	(76)|58*	.4	(.297)|.2J	(74)|50*	(3)|14	70-150	30
4,4'-DDT	(ND)|ND	.4	(.37)|.359	(92)|90	.4	(.372)|.366	(93)|92	(1)|2	50-160	30

SURROGATE PARAMETER	SPIKE AMT (ug/L)	BS RSLT (ug/L)	BS % REC	SPIKE AMT (ug/L)	BSD RSLT (ug/L)	BSD % REC	QC LIMIT (%)
Tetrachloro-m-xylene	.4	.271|(.286)	68|(71)	.4	.217|(.231)	54|(57)	50-130
Decachlorobiphenyl	.8	.679|(.687)	85|(86)	.8	(.69)|.687	(86)|86	60-140