Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-15

GC Semivolatiles

Lot-Sample #...: G9E220184-003 Work Order #...: CW5H4101 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/01/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	101	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-20

GC Semivolatiles

Lot-Sample #...: G9E220184-004 Work Order #...: CW5H5101 Matrix.....: SOLI
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Naled	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	91	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-25

GC Semivolatiles

Lot-Sample #...: G9E220184-005 Work Order #...: CW5H6101 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/01/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	86	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-30

GC Semivolatiles

Lot-Sample #...: G9E220184-006 Work Order #...: CW5H7101 Matrix.....: SOL

Date Sampled...: 05/20/99 Date Received..: 05/22/99

Prep Date.....: 05/25/99 Analysis Date..: 07/01/99

Prep Batch #...: 9144111

Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	87	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-35

GC Semivolatiles

Lot-Sample #...: G9E220184-007 Work Order #...: CW5H8101 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	92	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-40

GC Semivolatiles

Lot-Sample #...: G9E220184-008 Work Order #...: CW5H9101 Matrix.....: SOI
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	89	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-45

GC Semivolatiles

Lot-Sample #...: G9E220184-009 Work Order #...: CW5HA101 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	95	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-47

GC Semivolatiles

Lot-Sample #...: G9E220184-010 Work Order #...: CW5HC101 Matrix.....: SOL
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	91	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-48

GC Semivolatiles

Lot-Sample #...: G9E220184-011 Work Order #...: CW5HD101 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	86	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-5

GC Semivolatiles

Lot-Sample #...: G9E220184-012 Work Order #...: CW5HE101 Matrix.....: SOL
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 100 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	3300	ug/kg
Disulfoton	ND	3300	ug/kg
Ethoprop	ND	3300	ug/kg
Fensulfothion	ND	3300	ug/kg
Fenthion	ND	3300	ug/kg
Merphos	ND	3300	ug/kg
Methyl parathion	ND	3300	ug/kg
Mevinphos	ND	3300	ug/kg
Naled	ND	3300	ug/kg
Phorate	ND	3300	ug/kg
Ronnel	ND	3300	ug/kg
Stirophos	ND	3300	ug/kg
Tokuthion	ND	3300	ug/kg
Trichloronate	ND	3300	ug/kg
Azinphos-methyl	ND	3300	ug/kg
Bolstar	ND	3300	ug/kg
Chlorpyrifos	ND	3300	ug/kg
Coumaphos	ND	3300	ug/kg
Demeton (total)	ND	3300	ug/kg
Diazinon	ND	3300	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	0.0 DIL,*	(20 - 157)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-10

GC Semivolatiles

Lot-Sample #...: G9E220184-013 Work Order #...: CW5HF101 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	101	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-15

GC Semivolatiles

Lot-Sample #...: G9E220184-014 Work Order #...: CW5HG101 Matrix.....: SOLI
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/03/99
Prep Batch #...: 9144111
Dilution Factor: 2 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	66	ug/kg
Disulfoton	ND	66	ug/kg
Ethoprop	ND	66	ug/kg
Fensulfothion	**71**	**66**	**ug/kg**
Fenthion	ND	66	ug/kg
Merphos	ND	66	ug/kg
Methyl parathion	ND	66	ug/kg
Mevinphos	ND	66	ug/kg
Naled	ND	66	ug/kg
Phorate	ND	66	ug/kg
Ronnel	**97**	**66**	**ug/kg**
Stirophos	ND	66	ug/kg
Tokuthion	ND	66	ug/kg
Trichloronate	ND	66	ug/kg
Azinphos-methyl	ND	66	ug/kg
Bolstar	ND	66	ug/kg
Chlorpyrifos	**130**	**66**	**ug/kg**
Coumaphos	ND	66	ug/kg
Demeton (total)	ND	66	ug/kg
Diazinon	ND	66	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	77	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-20

GC Semivolatiles

Lot-Sample #...: G9E220184-015 Work Order #...: CW5HH101 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	95	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-25

GC Semivolatiles

Lot-Sample #...: G9E220184-016 Work Order #...: CW5HJ101 Matrix.....: SOLI
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	93	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-30

GC Semivolatiles

Lot-Sample #...: G9E220184-017 Work Order #...: CW5HL101 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/01/99
Prep Batch #...: 9144112
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	82	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-35

GC Semivolatiles

Lot-Sample #...: G9E220184-018 Work Order #...: CW5HM101 Matrix.....: SOLII
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	89	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-40

GC Semivolatiles

Lot-Sample #...: G9E220184-019 Work Order #...: CW5HN101 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/02/99
Prep Batch #...: 9144111
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	87	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-45

GC Semivolatiles

Lot-Sample #...: G9E220184-020 Work Order #...: CW5HP101 Matrix.....: SOLI
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/01/99
Prep Batch #...: 9144112
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	89	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-47

GC Semivolatiles

Lot-Sample #...: G9E220184-021 Work Order #...: CW5HQ101 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/01/99
Prep Batch #...: 9144112
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	84	(20 - 157)

Quanterra

SCS ENGINEERS

Client Sample ID: BH10-6-5

GC Semivolatiles

Lot-Sample #...: G9E220184-022 Work Order #...: CW5HR101 Matrix.....: SOL
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/01/99
Prep Batch #...: 9144112
Dilution Factor: 50 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	1600	ug/kg
Disulfoton	ND	1600	ug/kg
Ethoprop	ND	1600	ug/kg
Fensulfothion	ND	1600	ug/kg
Fenthion	ND	1600	ug/kg
Merphos	ND	1600	ug/kg
Methyl parathion	ND	1600	ug/kg
Mevinphos	ND	1600	ug/kg
Naled	ND	1600	ug/kg
Phorate	ND	1600	ug/kg
Ronnel	ND	1600	ug/kg
Stirophos	ND	1600	ug/kg
Tokuthion	ND	1600	ug/kg
Trichloronate	ND	1600	ug/kg
Azinphos-methyl	ND	1600	ug/kg
Bolstar	ND	1600	ug/kg
Chlorpyrifos	ND	1600	ug/kg
Coumaphos	ND	1600	ug/kg
Demeton (total)	ND	1600	ug/kg
Diazinon	ND	1600	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	127	(20 - 157)

NOTE(S):

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Quanterra

SCS ENGINEERS

Client Sample ID: BH11-6-5

GC Semivolatiles

Lot-Sample #...: G9E220184-023 Work Order #...: CW5HT101 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/25/99 Analysis Date..: 07/01/99
Prep Batch #...: 9144112
Dilution Factor: 1 Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorvos	ND	33	ug/kg
Disulfoton	ND	33	ug/kg
Ethoprop	ND	33	ug/kg
Fensulfothion	ND	33	ug/kg
Fenthion	ND	33	ug/kg
Merphos	ND	33	ug/kg
Methyl parathion	ND	33	ug/kg
Mevinphos	ND	33	ug/kg
Naled	ND	33	ug/kg
Phorate	ND	33	ug/kg
Ronnel	ND	33	ug/kg
Stirophos	ND	33	ug/kg
Tokuthion	ND	33	ug/kg
Trichloronate	ND	33	ug/kg
Azinphos-methyl	ND	33	ug/kg
Bolstar	ND	33	ug/kg
Chlorpyrifos	ND	33	ug/kg
Coumaphos	ND	33	ug/kg
Demeton (total)	ND	33	ug/kg
Diazinon	ND	33	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	84	(20 - 157)

Quanterra

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G9E220184 Work Order #...: CW5NQ101 Matrix.....: SOLII
MB Lot-Sample #: A9E240000-111

Prep Date.....: 05/25/99
Analysis Date..: 07/01/99 Prep Batch #...: 9144111
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Azinphos-methyl	ND	33	ug/kg	SW846 8141A
Bolstar	ND	33	ug/kg	SW846 8141A
Chlorpyrifos	ND	33	ug/kg	SW846 8141A
Coumaphos	ND	33	ug/kg	SW846 8141A
Demeton (total)	ND	33	ug/kg	SW846 8141A
Diazinon	ND	33	ug/kg	SW846 8141A
Dichlorvos	ND	33	ug/kg	SW846 8141A
Disulfoton	ND	33	ug/kg	SW846 8141A
Ethoprop	ND	33	ug/kg	SW846 8141A
Fensulfothion	ND	33	ug/kg	SW846 8141A
Fenthion	ND	33	ug/kg	SW846 8141A
Merphos	ND	33	ug/kg	SW846 8141A
Methyl parathion	ND	33	ug/kg	SW846 8141A
Mevinphos	ND	33	ug/kg	SW846 8141A
Naled	ND	33	ug/kg	SW846 8141A
Phorate	ND	33	ug/kg	SW846 8141A
Ronnel	ND	33	ug/kg	SW846 8141A
Stirophos	ND	33	ug/kg	SW846 8141A
Tokuthion	ND	33	ug/kg	SW846 8141A
Trichloronate	ND	33	ug/kg	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	88	(20 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G9E220184 Work Order #...: CW5NR101 Matrix.....: SOLID
MB Lot-Sample #: A9E240000-112

Prep Date.....: 05/25/99
Analysis Date..: 07/01/99 Prep Batch #...: 9144112
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bolstar	ND	33	ug/kg	SW846 8141A
Azinphos-methyl	ND	33	ug/kg	SW846 8141A
Chlorpyrifos	ND	33	ug/kg	SW846 8141A
Coumaphos	ND	33	ug/kg	SW846 8141A
Demeton (total)	ND	33	ug/kg	SW846 8141A
Diazinon	ND	33	ug/kg	SW846 8141A
Dichlorvos	ND	33	ug/kg	SW846 8141A
Disulfoton	ND	33	ug/kg	SW846 8141A
Ethoprop	ND	33	ug/kg	SW846 8141A
Fensulfothion	ND	33	ug/kg	SW846 8141A
Fenthion	ND	33	ug/kg	SW846 8141A
Merphos	ND	33	ug/kg	SW846 8141A
Methyl parathion	ND	33	ug/kg	SW846 8141A
Mevinphos	ND	33	ug/kg	SW846 8141A
Naled	ND	33	ug/kg	SW846 8141A
Phorate	ND	33	ug/kg	SW846 8141A
Ronnel	ND	33	ug/kg	SW846 8141A
Stirophos	ND	33	ug/kg	SW846 8141A
Tokuthion	ND	33	ug/kg	SW846 8141A
Trichloronate	ND	33	ug/kg	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	83	(20 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G9E220184 Work Order #...: CW5NQ102 Matrix.....: SOLID
LCS Lot-Sample#: A9E240000-111
Prep Date.....: 05/25/99 Analysis Date..: 07/01/99
Prep Batch #...: 9144111
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phorate	83	(54 - 125)	SW846 8141A
Disulfoton	74	(47 - 117)	SW846 8141A
Methyl parathion	76	(44 - 139)	SW846 8141A
Thionazin	76	(59 - 125)	SW846 8141A
Tetraethyldithiopyro-phosphate	77	(55 - 145)	SW846 8141A
Parathion	79	(44 - 143)	SW846 8141A
Famphur	83	(43 - 150)	SW846 8141A
O,O,O-Triethylphosphoro-thioate	76	(38 - 119)	SW846 8141A
Dimethoate	85	(50 - 130)	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	94	(20 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Quanterra

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G9E220184 Work Order #...: CW5NR102 Matrix.....: SOLID
LCS Lot-Sample#: A9E240000-112
Prep Date.....: 05/25/99 Analysis Date..: 07/01/99
Prep Batch #...: 9144112
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phorate	**77**	**(54 - 125)**	**SW846 8141A**
Disulfoton	**71**	**(47 - 117)**	**SW846 8141A**
Methyl parathion	**72**	**(44 - 139)**	**SW846 8141A**
Thionazin	**70**	**(59 - 125)**	**SW846 8141A**
Tetraethyldithiopyro-phosphate	**73**	**(55 - 145)**	**SW846 8141A**
Parathion	**73**	**(44 - 143)**	**SW846 8141A**
Famphur	**75**	**(43 - 150)**	**SW846 8141A**
O,O,O-Triethylphosphoro-thioate	**68**	**(38 - 119)**	**SW846 8141A**
Dimethoate	**79**	**(50 - 130)**	**SW846 8141A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	84	(20 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Quanterra

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G9E220184
MS Lot-Sample #: G9E220184-003
Date Sampled...: 05/20/99
Prep Date.....: 05/25/99
Prep Batch #...: 9144111
Dilution Factor: 1

Work Order #...: CW5H410C-MS
CW5H410D-MSD
Date Received..: 05/22/99
Analysis Date..: 07/01/99

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Thionazin	65	(46 - 134)			SW846 8141A
	57	(46 - 134)	13	(0-28)	SW846 8141A
Tetraethyldithiopyro-phosphate	69	(25 - 153)			SW846 8141A
	58	(25 - 153)	16	(0-38)	SW846 8141A
Parathion	75	(13 - 125)			SW846 8141A
	62	(13 - 125)	19	(0-40)	SW846 8141A
Famphur	77	(26 - 158)			SW846 8141A
	67	(26 - 158)	13	(0-30)	SW846 8141A
O,O,O-Triethylphosphoro-thioate	58	(27 - 142)			SW846 8141A
	53	(27 - 142)	8.1	(0-34)	SW846 8141A
Dimethoate	79	(44 - 134)			SW846 8141A
	68	(44 - 134)	15	(0-18)	SW846 8141A
Phorate	74	(10 - 128)			SW846 8141A
	63	(10 - 128)	15	(0-34)	SW846 8141A
Disulfoton	70	(10 - 137)			SW846 8141A
	56	(10 - 137)	23	(0-35)	SW846 8141A
Methyl parathion	75	(14 - 124)			SW846 8141A
	61	(14 - 124)	20	(0-39)	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	87	(20 - 157)
	88	(20 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Quanterra

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G9E220184
MS Lot-Sample #: G9E220184-017
Date Sampled...: 05/20/99
Prep Date.....: 05/25/99
Prep Batch #...: 9144112
Dilution Factor: 1

Work Order #...: CW5HL10C-MS
CW5HL10D-MSD
Date Received..: 05/22/99
Analysis Date..: 07/01/99

Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Thionazin	67	(46 - 134)			SW846 8141A
	72	(46 - 134)	6.0	(0-28)	SW846 8141A
Tetraethyldithiopyro-phosphate	70	(25 - 153)			SW846 8141A
	74	(25 - 153)	5.3	(0-38)	SW846 8141A
Parathion	71	(13 - 125)			SW846 8141A
	77	(13 - 125)	7.0	(0-40)	SW846 8141A
Famphur	76	(26 - 158)			SW846 8141A
	83	(26 - 158)	8.4	(0-30)	SW846 8141A
O,O,O-Triethylphosphoro-thioate	65	(27 - 142)			SW846 8141A
	67	(27 - 142)	3.1	(0-34)	SW846 8141A
Dimethoate	78	(44 - 134)			SW846 8141A
	83	(44 - 134)	5.7	(0-18)	SW846 8141A
Phorate	75	(10 - 128)			SW846 8141A
	78	(10 - 128)	4.5	(0-34)	SW846 8141A
Disulfoton	65	(10 - 137)			SW846 8141A
	69	(10 - 137)	5.8	(0-35)	SW846 8141A
Methyl parathion	71	(14 - 124)			SW846 8141A
	75	(14 - 124)	5.8	(0-39)	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	83	(20 - 157)
	92	(20 - 157)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

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Chlorinated Herbicides
Method 8151A

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-15

GC Semivolatiles

Lot-Sample #...: G9E220184-003 **Work Order #...:** CW5H410E **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	78	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-20

GC Semivolatiles

Lot-Sample #...: G9E220184-004 **Work Order #...:** CW5H510C **Matrix.....:** SOLI
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	74	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-25

GC Semivolatiles

Lot-Sample #...: G9E220184-005 Work Order #...: CW5H610C Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99
Prep Date.....: 05/27/99 Analysis Date..: 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 Method.....: SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	104	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-30

GC Semivolatiles

Lot-Sample #...: G9E220184-006 **Work Order #...:** CW5H710C **Matrix.....:** SOL
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	94	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-35

GC Semivolatiles

Lot-Sample #...: G9E220184-007 **Work Order #...:** CW5H810C **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	82	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-40

GC Semivolatiles

Lot-Sample #...: G9E220184-008 **Work Order #...:** CW5H910C **Matrix.....:** SOLI
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	83	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-45

GC Semivolatiles

Lot-Sample #...: G9E220184-009 **Work Order #...:** CW5HA10C **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	75	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-47

GC Semivolatiles

Lot-Sample #...:	G9E220184-010	**Work Order #...:**	CW5HC10C	**Matrix.....:**	SOLI
Date Sampled...:	05/20/99	**Date Received..:**	05/22/99		
Prep Date.....:	05/27/99	**Analysis Date..:**	06/16/99		
Prep Batch #...:	9147297				
Dilution Factor:	10	**Method.....:**	SW846 8151A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	89	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH8-6-48

GC Semivolatiles

Lot-Sample #...: G9E220184-011 **Work Order #...:** CW5HD10C **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	66	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-5

GC Semivolatiles

Lot-Sample #...: G9E220184-012 **Work Order #...:** CW5HE10C **Matrix.....:** SOLI
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/20/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	56	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-10

GC Semivolatiles

Lot-Sample #...: G9E220184-013 **Work Order #...:** CW5HF10C **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	77	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-15

GC Semivolatiles

Lot-Sample #...:	G9E220184-014	**Work Order #...:**	CW5HG10C	**Matrix.....:**	SOLI
Date Sampled...:	05/20/99	**Date Received..:**	05/22/99		
Prep Date.....:	05/27/99	**Analysis Date..:**	06/20/99		
Prep Batch #...:	9147297				
Dilution Factor:	20	**Method.....:**	SW846 8151A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	**1600**	**1600**	**ug/kg**
2,4-DB	ND	1600	ug/kg
2,4,5-TP (Silvex)	**1100**	**400**	**ug/kg**
2,4,5-T	**1800**	**400**	**ug/kg**
Dalapon	ND	800	ug/kg
Dicamba	ND	800	ug/kg
Dichlorprop	ND	1600	ug/kg
Dinoseb	ND	240	ug/kg
MCPA	ND	160000	ug/kg
MCPP	ND	160000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	55 DIL	(30 - 130)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-20

GC Semivolatiles

Lot-Sample #...: G9E220184-015 **Work Order #...:** CW5HH10C **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	88	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-25

GC Semivolatiles

Lot-Sample #...: G9E220184-016 **Work Order #...:** CW5HJ10C **Matrix.....:** SOLI
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	94	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-30

GC Semivolatiles

Lot-Sample #...: G9E220184-017 **Work Order #...:** CW5HL10E **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	85	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-35

GC Semivolatiles

Lot-Sample #...: G9E220184-018 **Work Order #...:** CW5HM10C **Matrix.....:** SOL
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	88	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-40

GC Semivolatiles

Lot-Sample #...: G9E220184-019 **Work Order #...:** CW5HN10C **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/28/99 **Analysis Date..:** 06/19/99
Prep Batch #...: 9148117
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	73	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-45

GC Semivolatiles

Lot-Sample #...: G9E220184-020 **Work Order #...:** CW5HP10C **Matrix.....:** SOLI
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/28/99 **Analysis Date..:** 06/19/99
Prep Batch #...: 9148117
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	78	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH9-6-47

GC Semivolatiles

Lot-Sample #...: G9E220184-021 **Work Order #...:** CW5HQ10C **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/28/99 **Analysis Date..:** 06/19/99
Prep Batch #...: 9148117
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	76	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH10-6-5

GC Semivolatiles

Lot-Sample #...: G9E220184-022 **Work Order #...:** CW5HR10C **Matrix.....:** SOL
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/28/99 **Analysis Date..:** 06/19/99
Prep Batch #...: 9148117
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	83	(30 - 130)

Quanterra

SCS ENGINEERS

Client Sample ID: BH11-6-5

GC Semivolatiles

Lot-Sample #...: G9E220184-023 **Work Order #...:** CW5HT10C **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/28/99 **Analysis Date..:** 06/19/99
Prep Batch #...: 9148117
Dilution Factor: 10 **Method.....:** SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	80	ug/kg
2,4-DB	ND	80	ug/kg
2,4,5-TP (Silvex)	ND	20	ug/kg
2,4,5-T	ND	20	ug/kg
Dalapon	ND	40	ug/kg
Dicamba	ND	40	ug/kg
Dichlorprop	ND	80	ug/kg
Dinoseb	ND	12	ug/kg
MCPA	ND	8000	ug/kg
MCPP	ND	8000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	76	(30 - 130)

Quanterra

QC DATA ASSOCIATION SUMMARY

G9E220184

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
003	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
004	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
005	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
006	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
007	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
008	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
009	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134

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Quanterra

QC DATA ASSOCIATION SUMMARY

G9E220184

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
010	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
011	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
012	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
013	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
014	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
015	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
016	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134

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Quanterra

QC DATA ASSOCIATION SUMMARY

G9E220184

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
017	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144112	9144010
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
018	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9147297	9172134
019	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144111	9144009
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9148117	9148016
020	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144112	9144010
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9148117	9148016
021	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144112	9144010
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9148117	9148016
022	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 8141A		9144112	9144010
	SOLID	SW846 8081A		9144194	9144130
	SOLID	SW846 6010B		9145264	9145096
	SOLID	SW846 8151A		9148117	9148016
023	SOLID	SW846 7471A		9152400	9152197
	SOLID	SW846 8141A		9144112	9144010
	SOLID	SW846 8081A		9144202	9144132
	SOLID	SW846 6010B		9147294	9147125
	SOLID	SW846 8151A		9148117	9148016

Quanterra

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G9E220184 **Work Order #...:** CWAML101 **Matrix.....:** SOLID
MB Lot-Sample #: A9E280000-117

Prep Date.....: 05/28/99
Analysis Date..: 06/19/99 **Prep Batch #...:** 9148117
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-D	ND	80	ug/kg	SW846 8151A
2,4-DB	ND	80	ug/kg	SW846 8151A
2,4,5-TP (Silvex)	ND	20	ug/kg	SW846 8151A
2,4,5-T	ND	20	ug/kg	SW846 8151A
Dalapon	ND	40	ug/kg	SW846 8151A
Dicamba	ND	40	ug/kg	SW846 8151A
Dichlorprop	ND	80	ug/kg	SW846 8151A
Dinoseb	ND	12	ug/kg	SW846 8151A
MCPA	ND	8000	ug/kg	SW846 8151A
MCPP	ND	8000	ug/kg	SW846 8151A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	83	(30 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G9E220184 **Work Order #...:** CWA3V101 **Matrix.....:** SOLI
MB Lot-Sample #: A9E270000-297

Prep Date.....: 05/27/99
Analysis Date..: 06/16/99 **Prep Batch #...:** 9147297
Dilution Factor: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-D	ND	80	ug/kg	SW846 8151A
2,4-DB	ND	80	ug/kg	SW846 8151A
2,4,5-TP (Silvex)	ND	20	ug/kg	SW846 8151A
2,4,5-T	ND	20	ug/kg	SW846 8151A
Dalapon	ND	40	ug/kg	SW846 8151A
Dicamba	ND	40	ug/kg	SW846 8151A
Dichlorprop	ND	80	ug/kg	SW846 8151A
Dinoseb	ND	12	ug/kg	SW846 8151A
MCPA	ND	8000	ug/kg	SW846 8151A
MCPP	ND	8000	ug/kg	SW846 8151A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	89	(30 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G9E220184 **Work Order #...:** CWAML102 **Matrix.....:** SOLID
LCS Lot-Sample#: A9E280000-117
Prep Date.....: 05/28/99 **Analysis Date..:** 06/19/99
Prep Batch #...: 9148117
Dilution Factor: 10

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2,4-D	**400**	**322**	**ug/kg**	**80**	**SW846 8151**
2,4,5-TP (Silvex)	**100**		**ug/kg**	**76**	**SW846 8151**
2,4,5-T	**100**	**79.4**	**ug/kg**	**79**	**SW846 8151**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	85	(30 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Quanterra

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G9E220184 **Work Order #...:** CWA3V102 **Matrix.....:** SOLI
LCS Lot-Sample#: A9E270000-297
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHO
2,4-D	**400**	**310**	**ug/kg**	**77**	**SW846**
2,4,5-TP (Silvex)	**100**		**ug/kg**	**72**	**SW846**
2,4,5-T	**100**	**76.2**	**ug/kg**	**76**	**SW846**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	84	(30 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Quanterra

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G9E220184 **Work Order #...:** CWAML102 **Matrix.....:** SOLID
LCS Lot-Sample#: A9E280000-117
Prep Date.....: 05/28/99 **Analysis Date..:** 06/19/99
Prep Batch #...: 9148117
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,4-D	**80**	**(26 - 143)**	**SW846 8151A**
2,4,5-TP (Silvex)	**76**	**(30 - 149)**	**SW846 8151A**
2,4,5-T	**79**	**(20 - 121)**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	85	(30 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Quanterra

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G9E220184 **Work Order #...:** CWA3V102 **Matrix.....:** SOLID
LCS Lot-Sample#: A9E270000-297
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,4-D	**77**	**(26 - 143)**	**SW846 8151A**
2,4,5-TP (Silvex)	**72**	**(30 - 149)**	**SW846 8151A**
2,4,5-T	**76**	**(20 - 121)**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	84	(30 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

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MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G9E220184 **Work Order #...:** CW5HN10D-MS **Matrix.....:** SOLID
MS Lot-Sample #: G9E220184-019 CW5HN10E-MSD
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/28/99 **Analysis Date..:** 06/19/99
Prep Batch #...: 9148117
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,4-D	**ND**	**400**	**293**	**ug/kg**	**73**		**SW846 8151A**
	ND	**400**	**303**	**ug/kg**	**76**	**3.2**	**SW846 8151A**
2,4,5-TP (Silvex)	**ND**	**100**		**ug/kg**	**67**		**SW846 8151A**
	ND	**100**		**ug/kg**	**71**	**6.7**	**SW846 8151A**
2,4,5-T	**ND**	**100**	**70.4**	**ug/kg**	**70**		**SW846 8151A**
	ND	**100**	**74.8**	**ug/kg**	**75**	**6.0**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	74	(30 - 130)
	77	(30 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Quanterra

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G9E220184 **Work Order #...:** CW5H4114-MS **Matrix.....:** SOLII
MS Lot-Sample #: G9E220184-003 CW5H4115-MSD
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2,4-D	**ND**	**400**	**315**	**ug/kg**	**79**		**SW846 8151A**
	ND	**400**	**300**	**ug/kg**	**75**	**4.9**	**SW846 8151A**
2,4,5-TP (Silvex)	**ND**	**100**		**ug/kg**	**74**		**SW846 8151A**
	ND	**100**		**ug/kg**	**70**	**5.4**	**SW846 8151A**
2,4,5-T	**ND**	**100**	**78.6**	**ug/kg**	**79**		**SW846 8151A**
	ND	**100**	**74.9**	**ug/kg**	**75**	**4.8**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	86	(30 - 130)
	88	(30 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Quanterra

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G9E220184 **Work Order #...:** CW5HN10D-MS **Matrix.....:** SOLID
MS Lot-Sample #: G9E220184-019 CW5HN10E-MSD
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/28/99 **Analysis Date..:** 06/19/99
Prep Batch #...: 9148117
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-D	**73**	**(26 - 143)**			**SW846 8151A**
	76	**(26 - 143)**	**3.2**	**(0-50)**	**SW846 8151A**
2,4,5-TP (Silvex)	**67**	**(28 - 130)**			**SW846 8151A**
	71	**(28 - 130)**	**6.7**	**(0-50)**	**SW846 8151A**
2,4,5-T	**70**	**(10 - 141)**			**SW846 8151A**
	75	**(10 - 141)**	**6.0**	**(0-50)**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	74	(30 - 130)
	77	(30 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G9E220184 **Work Order #...:** CW5H4114-MS **Matrix.....:** SOLI
MS Lot-Sample #: G9E220184-003 CW5H4115-MSD
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99
Prep Date.....: 05/27/99 **Analysis Date..:** 06/16/99
Prep Batch #...: 9147297
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-D	**79**	**(26 - 143)**			**SW846 8151A**
	75	**(26 - 143)**	**4.9**	**(0-50)**	**SW846 8151A**
2,4,5-TP (Silvex)	**74**	**(28 - 130)**			**SW846 8151A**
	70	**(28 - 130)**	**5.4**	**(0-50)**	**SW846 8151A**
2,4,5-T	**79**	**(10 - 141)**			**SW846 8151A**
	75	**(10 - 141)**	**4.8**	**(0-50)**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4-Dichlorophenylacetic acid	86	(30 - 130)
	88	(30 - 130)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

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Selected Metals
Various Methods

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Quanterra

Client Sample ID: BH8-6-15

TOTAL Metals

Lot-Sample #...: G9E220184-003 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9145264						
Arsenic	4.1	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5H41(
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5H41(
Copper	9.7	2.5	mg/kg	SW846 6010B	05/25-05/26/99	CW5H41(
Lead	7.9	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5H41(
Thallium	4.0	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5H41(
Zinc	45.0	2.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5H41(
Prep Batch #...: 9152403						
Mercury	0.097	0.040	mg/kg	SW846 7471A	06/01/99	CW5H410

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Client Sample ID: BH8-6-20

TOTAL Metals

Lot-Sample #...: G9E220184-004 Matrix.....: S(
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	W(OI
Prep Batch #...: 9145264						
Arsenic	**1.2**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CV**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CV
Copper	**4.9**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CV**
Lead	**1.5**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CV**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Zinc	**16.0**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CV**
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW

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Client Sample ID: BH8-6-25

TOTAL Metals

Lot-Sample #...: G9E220184-005 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9145264						
Arsenic	**6.7**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5H610**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5H610
Copper	**15.9**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5H610**
Lead	**3.5**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5H610**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5H610
Zinc	**36.8**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5H610**
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW5H610

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Client Sample ID: BH8-6-30

TOTAL Metals

Lot-Sample #...: G9E220184-006 Matrix.....: SO
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WO OR
Prep Batch #...: 9145264						
Arsenic	**6.0**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW
Copper	**14.2**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Lead	**2.6**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Zinc	**35.9**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW

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Client Sample ID: BH8-6-35

TOTAL Metals

Lot-Sample #...: G9E220184-007 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9145264						
Arsenic	9.0	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5H81(
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5H81(
Copper	24.2	2.5	mg/kg	SW846 6010B	05/25-05/26/99	CW5H81(
Lead	5.1	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5H81(
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5H81(
Zinc	50.6	2.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5H81(
Prep Batch #...: 9152403						
Mercury	0.052	0.040	mg/kg	SW846 7471A	06/01/99	CW5H810

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Client Sample ID: BH8-6-40

TOTAL Metals

Lot-Sample #...: G9E220184-008 Matrix.....: SC
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WC OR
Prep Batch #...: 9145264						
Arsenic	**3.7**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW
Copper	**19.2**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Lead	**3.7**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Zinc	**50.3**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW

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Client Sample ID: BH8-6-45

TOTAL Metals

Lot-Sample #...: G9E220184-009 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER
Prep Batch #...: 9145264						
Arsenic	4.3	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HA1
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5HA1
Copper	7.6	2.5	mg/kg	SW846 6010B	05/25-05/26/99	CW5HA1
Lead	2.0	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5HA1
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HA1
Zinc	21.1	2.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HA1
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW5HA1

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Client Sample ID: BH8-6-47

TOTAL Metals

Lot-Sample #...: G9E220184-010 Matrix.....: SC
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WC OF
Prep Batch #...: 9145264						
Arsenic	**4.4**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW
Copper	**5.7**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Lead	**1.7**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Zinc	**19.1**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW

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Client Sample ID: BH8-6-48

TOTAL Metals

Lot-Sample #...: G9E220184-011 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9145264						
Arsenic	4.0	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HD1(
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5HD1(
Copper	4.8	2.5	mg/kg	SW846 6010B	05/25-05/26/99	CW5HD1(
Lead	1.4	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5HD1(
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HD1(
Zinc	14.2	2.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HD1(
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW5HD10

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Quanterra

Client Sample ID: BH9-6-5

TOTAL Metals

Lot-Sample #...: G9E220184-012 Matrix.....: SO
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WO ORI
Prep Batch #...: 9145264						
Arsenic	6.6	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Cadmium	0.73	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW
Copper	35.6	2.5	mg/kg	SW846 6010B	05/25-05/26/99	CW
Lead	73.8	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Zinc	119	2.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Prep Batch #...: 9152403						
Mercury	0.10	0.040	mg/kg	SW846 7471A	06/01/99	CW

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Client Sample ID: BH9-6-10

TOTAL Metals

Lot-Sample #...: G9E220184-013 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9145264						
Arsenic	**2.3**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HF10**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5HF10
Copper	**9.0**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HF10**
Lead	**1.9**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HF10**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HF10
Zinc	**26.2**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HF10**
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW5HF10

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Client Sample ID: BH9-6-15

TOTAL Metals

Lot-Sample #...: G9E220184-014 Matrix.....: SO
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WO OR
Prep Batch #...: 9145264						
Arsenic	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW
Copper	7.3	2.5	mg/kg	SW846 6010B	05/25-05/26/99	CW
Lead	1.6	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Zinc	21.2	2.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW

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Client Sample ID: BH9-6-20

TOTAL Metals

Lot-Sample #...: G9E220184-015 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER
Prep Batch #...: 9145264						
Arsenic	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HH1
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5HH1
Copper	4.6	2.5	mg/kg	SW846 6010B	05/25-05/26/99	CW5HH1
Lead	1.2	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5HH1
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HH1
Zinc	14.4	2.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HH1
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW5HH1

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Client Sample ID: BH9-6-25

TOTAL Metals

Lot-Sample #...: G9E220184-016 Matrix.....: SO
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WO OR
Prep Batch #...: 9145264						
Arsenic	5.7	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW
Copper	15.2	2.5	mg/kg	SW846 6010B	05/25-05/26/99	CW
Lead	3.1	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Zinc	35.5	2.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Prep Batch #...: 9152403						
Mercury	0.041	0.040	mg/kg	SW846 7471A	06/01/99	CW

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Client Sample ID: BH9-6-30

TOTAL Metals

Lot-Sample #...: G9E220184-017 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER
Prep Batch #...: 9145264						
Arsenic	**6.6**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HL1**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5HL1
Copper	**13.7**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HL1**
Lead	**3.0**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HL1**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HL1
Zinc	**33.5**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HL1**
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW5HL1(

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Quanterra

Client Sample ID: BH9-6-35

TOTAL Metals

Lot-Sample #...: G9E220184-018 **Matrix.....:** SO
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WO ORI
Prep Batch #...: 9145264						
Arsenic	**9.4**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW
Copper	**12.4**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Lead	**2.7**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Zinc	**33.8**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW

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SCS ENGINEERS

Client Sample ID: BH9-6-40

TOTAL Metals

Lot-Sample #...: G9E220184-019 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9145264						
Arsenic	**2.7**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HN10**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5HN10
Copper	**19.3**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HN10**
Lead	**3.7**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HN10**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HN10
Zinc	**51.4**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HN10**
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW5HN10

SCS ENGINEERS

Quanterra

Client Sample ID: BH9-6-45

TOTAL Metals

Lot-Sample #...: G9E220184-020 Matrix.....: SO

Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WO ORI
Prep Batch #...: 9145264						
Arsenic	**2.0**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW
Copper	**4.6**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Lead	**1.6**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW
Zinc	**16.2**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW**
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW

SCS ENGINEERS

Quanterra

Client Sample ID: BH9-6-47

TOTAL Metals

Lot-Sample #...: G9E220184-021 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER
Prep Batch #...: 9145264						
Arsenic	**1.4**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HQ1**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW5HQ1
Copper	**4.6**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HQ1**
Lead	**1.5**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HQ1**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW5HQ1
Zinc	**15.1**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	**CW5HQ1**
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW5HQ1

SCS ENGINEERS

Quanterra

Client Sample ID: BH10-6-5

TOTAL Metals

Lot-Sample #...: G9E220184-022 Matrix.....: S

Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	W O
Prep Batch #...: 9145264						
Arsenic	**5.9**	**1.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	C
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	C
Copper	**16.7**	**2.5**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	C
Lead	**23.0**	**0.50**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	C
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	C
Zinc	**59.5**	**2.0**	**mg/kg**	**SW846 6010B**	**05/25-05/26/99**	C
Prep Batch #...: 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW

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Client Sample ID: BH11-6-5

TOTAL Metals

Lot-Sample #...: G9E220184-023 Matrix.....: SOLID
Date Sampled...: 05/20/99 Date Received..: 05/22/99

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 9147294						
Arsenic	**2.0**	**1.0**	**mg/kg**	**SW846 6010B**	**05/27-05/28/99**	**CW5HT10**
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/27-05/28/99	CW5HT10
Copper	**10.3**	**2.5**	**mg/kg**	**SW846 6010B**	**05/27-05/28/99**	**CW5HT10**
Lead	**2.3**	**0.50**	**mg/kg**	**SW846 6010B**	**05/27-05/28/99**	**CW5HT10**
Thallium	ND	1.0	mg/kg	SW846 6010B	05/27-05/28/99	CW5HT10
Zinc	**26.5**	**2.0**	**mg/kg**	**SW846 6010B**	**05/27-05/28/99**	**CW5HT10**
Prep Batch #...: 9152400						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CW5HT10

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QC DATA ASSOCIATION SUMMARY

G9E220184

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
003	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
004	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
005	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
006	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
007	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
008	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
009	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
010	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
011	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
012	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
013	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
014	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
015	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
016	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G9E220184

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
017	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
018	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
019	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
020	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
021	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
022	SOLID	SW846 7471A		9152403	9152200
	SOLID	SW846 6010B		9145264	9145096
023	SOLID	SW846 7471A		9152400	9152197
	SOLID	SW846 6010B		9147294	9147125

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: G9E220184 **Matrix.....:** SOLII

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WC OR
MB Lot-Sample #: G9E270000-294 **Prep Batch #...:** 9147294						
Arsenic	ND	1.0	mg/kg	SW846 6010B	05/27-05/28/99	CW
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/27-05/28/99	CW
Copper	ND	2.5	mg/kg	SW846 6010B	05/27-05/28/99	CW
Lead	ND	0.50	mg/kg	SW846 6010B	05/27-05/28/99	CW
Thallium	ND	1.0	mg/kg	SW846 6010B	05/27-05/28/99	CW
Zinc	ND	2.0	mg/kg	SW846 6010B	05/27-05/28/99	CW
MB Lot-Sample #: G9F010000-400 **Prep Batch #...:** 9152400						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CWI
MB Lot-Sample #: G9F010000-403 **Prep Batch #...:** 9152403						
Mercury	ND	0.040	mg/kg	SW846 7471A	06/01/99	CWI
MB Lot-Sample #: G9E250000-264 **Prep Batch #...:** 9145264						
Arsenic	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW7
Cadmium	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW7
Copper	ND	2.5	mg/kg	SW846 6010B	05/25-05/26/99	CW
Lead	ND	0.50	mg/kg	SW846 6010B	05/25-05/26/99	CW7
Thallium	ND	1.0	mg/kg	SW846 6010B	05/25-05/26/99	CW7
Zinc	ND	2.0	mg/kg	SW846 6010B	05/25-05/26/99	CW7

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: G9E220184 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: G9E250000-264 **Prep Batch #...:** 9145264							
Copper	25.0	23.3	mg/kg	93	SW846 6010B	05/25-05/26/99	CW79C10A
Lead	50.0	46.9	mg/kg	94	SW846 6010B	05/25-05/26/99	CW79C10C
Thallium	200	189	mg/kg	95	SW846 6010B	05/25-05/26/99	CW79C10D
Zinc	50.0	48.6	mg/kg	97	SW846 6010B	05/25-05/26/99	CW79C107
Arsenic	200	181	mg/kg	90	SW846 6010B	05/25-05/26/99	CW79C108
Cadmium	5.00	4.80	mg/kg	96	SW846 6010B	05/25-05/26/99	CW79C109
LCS Lot-Sample#: G9E270000-294 **Prep Batch #...:** 9147294							
Copper	25.0	23.8	mg/kg	95	SW846 6010B	05/27-05/28/99	CWA3810A
Lead	50.0	47.3	mg/kg	95	SW846 6010B	05/27-05/28/99	CWA3810C
Thallium	200	192	mg/kg	96	SW846 6010B	05/27-05/28/99	CWA3810D
Zinc	50.0	49.2	mg/kg	98	SW846 6010B	05/27-05/28/99	CWA38107
Arsenic	200	181	mg/kg	91	SW846 6010B	05/27-05/28/99	CWA38108
Cadmium	5.00	4.87	mg/kg	97	SW846 6010B	05/27-05/28/99	CWA38109
LCS Lot-Sample#: G9F010000-400 **Prep Batch #...:** 9152400							
Mercury	0.0833	0.0843	mg/kg	101	SW846 7471A	06/01/99	CWE7P102
LCS Lot-Sample#: G9F010000-403 **Prep Batch #...:** 9152403							
Mercury	0.0833	0.0833	mg/kg	100	SW846 7471A	06/01/99	CWE7X102

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: G9E220184 **Matrix.....:** SOLI

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: G9E250000-264	**Prep Batch #...:** 9145264				
Copper	93	(80 - 120)	SW846 6010B	05/25-05/26/99	CW79C10A
Lead	94	(80 - 120)	SW846 6010B	05/25-05/26/99	CW79C10C
Thallium	95	(80 - 120)	SW846 6010B	05/25-05/26/99	CW79C10D
Zinc	97	(80 - 120)	SW846 6010B	05/25-05/26/99	CW79C107
Arsenic	90	(80 - 120)	SW846 6010B	05/25-05/26/99	CW79C108
Cadmium	96	(80 - 120)	SW846 6010B	05/25-05/26/99	CW79C109
LCS Lot-Sample#: G9E270000-294	**Prep Batch #...:** 9147294				
Copper	95	(80 - 120)	SW846 6010B	05/27-05/28/99	CWA3810A
Lead	95	(80 - 120)	SW846 6010B	05/27-05/28/99	CWA3810C
Thallium	96	(80 - 120)	SW846 6010B	05/27-05/28/99	CWA3810D
Zinc	98	(80 - 120)	SW846 6010B	05/27-05/28/99	CWA38107
Arsenic	91	(80 - 120)	SW846 6010B	05/27-05/28/99	CWA38108
Cadmium	97	(80 - 120)	SW846 6010B	05/27-05/28/99	CWA38109
LCS Lot-Sample#: G9F010000-400	**Prep Batch #...:** 9152400				
Mercury	101	(80 - 120)	SW846 7471A	06/01/99	CWE7P102
LCS Lot-Sample#: G9F010000-403	**Prep Batch #...:** 9152403				
Mercury	100	(80 - 120)	SW846 7471A	06/01/99	CWE7X102

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: G9E220184 **Matrix.....:** SOLID
Date Sampled...: 05/17/99 **Date Received..:** 05/21/99

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER
MS Lot-Sample #: G9E210277-008 **Prep Batch #...:** 9152400									
Mercury									
	ND	0.250	0.248	mg/kg	96		SW846 7471A	06/01/99	CW4E71
	ND	0.250	0.247	mg/kg	96	0.48	SW846 7471A	06/01/99	CW4E71

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

Quanterra

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: G9E220184 **Matrix.....:** SOLI

Date Sampled...: 05/20/99 **Date Received..:** 05/22/99

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	W C
MS Lot-Sample #: G9E220184-023 **Prep Batch #...:** 9147294									
Arsenic									
	2.0	200	186	mg/kg	92		SW846 6010B	05/27-05/28/99	C
	2.0	200	180	mg/kg	89	3.3	SW846 6010B	05/27-05/28/99	C
Cadmium									
	ND	5.00	4.90	mg/kg	98		SW846 6010B	05/27-05/28/99	C
	ND	5.00	4.68	mg/kg	94	4.6	SW846 6010B	05/27-05/28/99	C
Copper									
	10.3	25.0	35.1	mg/kg	99		SW846 6010B	05/27-05/28/99	C
	10.3	25.0	33.6	mg/kg	93	4.4	SW846 6010B	05/27-05/28/99	C
Lead									
	2.3	50.0	49.8	mg/kg	95		SW846 6010B	05/27-05/28/99	C
	2.3	50.0	48.0	mg/kg	91	3.6	SW846 6010B	05/27-05/28/99	C
Thallium									
	ND	200	194	mg/kg	97		SW846 6010B	05/27-05/28/99	C
	ND	200	187	mg/kg	93	3.8	SW846 6010B	05/27-05/28/99	C
Zinc									
	26.5	50.0	77.9	mg/kg	103		SW846 6010B	05/27-05/28/99	C
	26.5	50.0	75.7	mg/kg	98	2.8	SW846 6010B	05/27-05/28/99	C

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: G9E220184 **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER
MS Lot-Sample #: G9E220184-003 **Prep Batch #...:** 9145264									
Arsenic									
	4.1	200	181	mg/kg	88		SW846 6010B	05/25-05/26/99	CW5H41
	4.1	200	181	mg/kg	89	0.38	SW846 6010B	05/25-05/26/99	CW5H41
Cadmium									
	ND	5.00	4.62	mg/kg	92		SW846 6010B	05/25-05/26/99	CW5H41
	ND	5.00	4.72	mg/kg	94	2.2	SW846 6010B	05/25-05/26/99	CW5H41
Copper									
	9.7	25.0	33.7	mg/kg	96		SW846 6010B	05/25-05/26/99	CW5H41
	9.7	25.0	33.7	mg/kg	96	0.10	SW846 6010B	05/25-05/26/99	CW5H41
Lead									
	7.9	50.0	52.7	mg/kg	90		SW846 6010B	05/25-05/26/99	CW5H41
	7.9	50.0	53.6	mg/kg	91	1.6	SW846 6010B	05/25-05/26/99	CW5H41
Thallium									
	4.0	200	188	mg/kg	92		SW846 6010B	05/25-05/26/99	CW5H41
	4.0	200	189	mg/kg	93	0.89	SW846 6010B	05/25-05/26/99	CW5H41
Zinc									
	45.0	50.0	94.0	mg/kg	98		SW846 6010B	05/25-05/26/99	CW5H41
	45.0	50.0	90.0	mg/kg	90	4.4	SW846 6010B	05/25-05/26/99	CW5H41
MS Lot-Sample #: G9E220184-003 **Prep Batch #...:** 9152403									
Mercury									
	0.097	0.250	0.338	mg/kg	96		SW846 7471A	06/01/99	CW5H411
	0.097	0.250	0.336	mg/kg	95	0.62	SW846 7471A	06/01/99	CW5H411

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: G9E220184 **Matrix.....:** SOLID
Date Sampled...: 05/17/99 **Date Received..:** 05/21/99

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G9E210277-008 **Prep Batch #...:** 9152400							
Mercury	96	(75 - 125)			SW846 7471A	06/01/99	CW4E71C
	96	(75 - 125)	0.48	(0-20)	SW846 7471A	06/01/99	CW4E71C

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: G9E220184 **Matrix.....:** SOLID
Date Sampled...: 05/20/99 **Date Received..:** 05/22/99

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: G9E220184-023 **Prep Batch #...:** 9147294							
Arsenic	92	(80 - 120)			SW846 6010B	05/27-05/28/99	CW5HT10H
	89	(80 - 120)	3.3	(0-35)	SW846 6010B	05/27-05/28/99	CW5HT10J
Cadmium	98	(80 - 120)			SW846 6010B	05/27-05/28/99	CW5HT10K
	94	(80 - 120)	4.6	(0-35)	SW846 6010B	05/27-05/28/99	CW5HT10L
Copper	99	(80 - 120)			SW846 6010B	05/27-05/28/99	CW5HT10M
	93	(80 - 120)	4.4	(0-35)	SW846 6010B	05/27-05/28/99	CW5HT10N
Lead	95	(80 - 120)			SW846 6010B	05/27-05/28/99	CW5HT10P
	91	(80 - 120)	3.6	(0-35)	SW846 6010B	05/27-05/28/99	CW5HT10Q
Thallium	97	(80 - 120)			SW846 6010B	05/27-05/28/99	CW5HT10R
	93	(80 - 120)	3.8	(0-35)	SW846 6010B	05/27-05/28/99	CW5HT10T
Zinc	103	(80 - 120)			SW846 6010B	05/27-05/28/99	CW5HT10F
	98	(80 - 120)	2.8	(0-35)	SW846 6010B	05/27-05/28/99	CW5HT10G

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quanterra

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: G9E220184 **Matrix.....:** SOLI

Date Sampled...: 05/20/99 **Date Received..:** 05/22/99

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER
MS Lot-Sample #: G9E220184-003 **Prep Batch #...:** 9145264							
Arsenic	88	(80 - 120)			SW846 6010B	05/25-05/26/99	CW5H41
	89	(80 - 120)	0.38	(0-35)	SW846 6010B	05/25-05/26/99	CW5H41
Cadmium	92	(80 - 120)			SW846 6010B	05/25-05/26/99	CW5H41
	94	(80 - 120)	2.2	(0-35)	SW846 6010B	05/25-05/26/99	CW5H41
Copper	96	(80 - 120)			SW846 6010B	05/25-05/26/99	CW5H41
	96	(80 - 120)	0.10	(0-35)	SW846 6010B	05/25-05/26/99	CW5H41
Lead	90	(80 - 120)			SW846 6010B	05/25-05/26/99	CW5H41
	91	(80 - 120)	1.6	(0-35)	SW846 6010B	05/25-05/26/99	CW5H41
Thallium	92	(80 - 120)			SW846 6010B	05/25-05/26/99	CW5H41
	93	(80 - 120)	0.89	(0-35)	SW846 6010B	05/25-05/26/99	CW5H41
Zinc	98	(80 - 120)			SW846 6010B	05/25-05/26/99	CW5H41
	90	(80 - 120)	4.4	(0-35)	SW846 6010B	05/25-05/26/99	CW5H41
MS Lot-Sample #: G9E220184-003 **Prep Batch #...:** 9152403							
Mercury	96	(75 - 125)			SW846 7471A	06/01/99	CW5H41
	95	(75 - 125)	0.62	(0-20)	SW846 7471A	06/01/99	CW5H41

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT SERVICES

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605-1500

Tel: 916 373 5600
Fax: 916 371 8420
www.stl-inc.com

March 20, 2001

STL SACRAMENTO PROJECT NUMBER: G1B140237
PO/CONTRACT: 01193171.01

Ken Lister
SCS Engineers
3711 Long Beach Boulevard
Ninth Floor
Long Beach, CA 90807-3315

Dear Mr. Lister,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on February 14, 2001. These samples are associated with your LACDAC project.

The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4427.

Sincerely,

Nilo Ligi
Project Manager

TABLE OF CONTENTS

STL SACRAMENTO PROJECT NUMBER G1B140237

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 8081A, Chlorinated Pesticides
Samples: 1 - 15
- Sample Data Sheets
- Method Blank Reports
- Laboratory QC Reports

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G1B140237

Sample Receipt

Sample(s): 15, 3
Lab received a sample labeled BH13-7-15 that was not listed on COC, it was logged as the last sample. Sample BH13-7-5 was listed twice on the COC but only one sample was received.

Samples were received at 10 degrees C. The 2 blue ice used as a cooling agent were thawed.

Method 8081

There was insufficient sample volume to prepare an MS/SD pair with this batch. A second LCS was prepared instead.

The percent recovery and %RSD for Heptochlor, Endrin, and DDT were low and outside QC criteria for the LCSD(batch# 1048134). Reanalysis of the LCSD showed similar results.

The surrogate recovery for DCB in sample G1B130221-1 was low and outside of criteria. However, TCX was within criteria for the sample.

The surrogate recovery for TCX in the MB and LCSD were low and outside of criteria. However, DCB was within criteria for the QC samples.

There were no other anomalies associated with this project.

STL Sacramento

Quality Control Definitions

QC Parameter	Definition
QC Batch	A set of up to 20 field samples plus associated laboratory QC samples that are similar in composition (matrix) and that are processed within the same time period with the same reagent and standard lots.
Duplicate Control Sample (DCS)	Consist of a pair of LCSs analyzed within the same QC batch to monitor precision and accuracy independent of sample matrix effects. This QC is performed only if required by client or when insufficient sample is available to perform MS/MSD.
Duplicate Sample (DU)	A second aliquot of an environmental sample, taken from the same sample container when possible, that is processed independently with the first sample aliquot. The results are used to assess the effect of the sample matrix on the precision of the analytical process. The precision estimated using this sample is not necessarily representative of the precision for other samples in the batch.
Laboratory Control Sample (LCS)	A volume of reagent water for aqueous samples or a contaminant-free solid matrix (Ottawa sand) for soil and sediment samples which is spiked with known amounts of representative target analytes and required surrogates. An LCS is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects.
Matrix Spike and Matrix Spike Duplicate (MS/MSD)	A field sample fortified with known quantities of target analytes that are also added to the LCS. Matrix spike duplicate is a second matrix spike sample. MSs/MSDs are carried through the entire analytical process and are used to determine sample matrix effect on accuracy of the measurement system. The accuracy and precision estimated using MS/MSD is only representative of the precision of the sample that was spiked.
Method Blank (MB)	A sample composed of all the reagents (in the same quantities) in reagent water carried through the entire analytical process. The method blank is used to monitor the level of contamination introduced during sample preparation steps.
Surrogate Spike	Organic constituents not expected to be detected in environmental media and are added to every sample and QC at a known concentration. Surrogates are used to determine the efficiency of the sample preparation and the analytical process.

Source: Quanterra® Quality Control Program, Policy QA-003

STL Sacramento Certifications:
Alaska (UST-055), Arizona (#AZ00616), Arkansas, California (#2166), Connecticut (#PH-0691), Florida (E87570), Hawaii, Louisiana (AI # 30612), New Jersey (Lab ID 44005), Nevada (#CA 044), New York (LAB ID 11666 serial # 1074(Oregon (LAB ID CA 044), South Carolina (LAB ID 87014, Cert. # 870140), Utah (E-168), Virginia (#00178), Washington (# C087), West Virginia (# 9930C), Wisconsin (Lab 998204680), USNAVY, USACE, USDA Foreign Plant (Permit # 37-82605), USDA Foreign Soil (Permit # S-46613).

Sample Summary
G1B140237

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
DV5EQ	1	BH14-7-10'	2/13/01	2/14/01 01:10 PM
DV5GD	2	BH12-7-5'	2/13/01	2/14/01 01:10 PM
DV5GE	3	BH13-7-5'	2/13/01	2/14/01 01:10 PM
DV5GH	4	BH12-7-10'	2/13/01	2/14/01 01:10 PM
DV5GJ	5	BH13-7-25'	2/13/01	2/14/01 01:10 PM
DV5GM	6	BH13-7-20'	2/13/01	2/14/01 01:10 PM
DV5GQ	7	BH14-7-20'	2/13/01	2/14/01 01:10 PM
DV5GV	8	BH14-7-15'	2/13/01	2/14/01 01:10 PM
DV5HD	9	BH12-7-25'	2/13/01	2/14/01 01:10 PM
DV5HE	10	BH12-7-20'	2/13/01	2/14/01 01:10 PM
DV5HG	11	BH14-7-25'	2/13/01	2/14/01 01:10 PM
DV5HJ	12	BH14-7-5'	2/13/01	2/14/01 01:10 PM
DV5HM	13	BH13-7-10'	2/13/01	2/14/01 01:10 PM
DV5HR	14	BH12-7-15'	2/13/01	2/14/01 01:10 PM
DV5HW	15	BH13-7-15'	2/13/01	2/14/01 01:10 PM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must no be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weigh

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants
3711 Long Beach Boulevard, 9th Floor
Long Beach, California 90807-3315
Phone: (562) 426-9544 Fax: (562) 427-0805

TOTAL NUMBER OF SAMPLES:
PAGE 1 OF 1
TURNAROUND TIME REQUIRED: X 5-Day ___3-Day ___Immediate ____Other
PROJECT NUMBER: 01193171.01
PROJECT MANAGER: K Lister
PROJECT NAME: LACDAC Site
P.O. #:
PROJECT LOCATION: 8841 E. Slauson Ave., Pico Rivera
SAMPLER NAME AND SIGNATURE: Cristi Farrell

ANALYSES REQUESTED: EPA 8081A

I.D. NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE(S)	SPECIAL INSTRUCTIONS/COMMENTS	EPA 8081A	LAB USE ONLY
	BH14-7-10'						X	
	BH12-7-5							
	BH13-7-5'							
	BH12-7-10'							
	BH13-7-25'							
	BH13-7-20'							
	BH14-7-20'							
	BH14-7-15'							
	BH12-7-25'							
	BH13-7-5'							
	BH12-7-20							
	BH14-7-25'							
	BH14-7-5'							
	BH13-7-10'							
	BH12-7-15'						X	

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	RELINQUISHED BY:	DATE:	RELINQUISHED BY:	DATE:

G1 37

STL-Sacramento

SOLID, 8081A, Chlorinated Pesticides

SCS ENGINEERS

Client Sample ID: BH14-7-10'

GC Semivolatiles

Lot-Sample #...: G1B140237-001 Work Order #...: DV5EQ2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/06/01
Prep Batch #...: 1058238
Dilution Factor: 10 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	17	ug/kg
gamma-BHC (Lindane)	ND Q	17	ug/kg
Heptachlor	ND	17	ug/kg
Aldrin	ND	17	ug/kg
beta-BHC	ND	17	ug/kg
delta-BHC	ND	17	ug/kg
Heptachlor epoxide	ND	17	ug/kg
Endosulfan I	ND	17	ug/kg
gamma-Chlordane	**110**	**17**	**ug/kg**
alpha-Chlordane	**92**	**17**	**ug/kg**
4,4'-DDE	ND	34	ug/kg
Dieldrin	ND	34	ug/kg
Endrin	ND	34	ug/kg
4,4'-DDD	ND	34	ug/kg
Endosulfan II	ND	34	ug/kg
4,4'-DDT	**41**	**34**	**ug/kg**
Endrin aldehyde	ND	34	ug/kg
Methoxychlor	ND	170	ug/kg
Endosulfan sulfate	ND	34	ug/kg
Endrin ketone	ND	34	ug/kg
Toxaphene	ND	670	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD	(73 - 135)
Tetrachloro-m-xylene	0.0 SRD	(55 - 117)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SCS ENGINEERS

Client Sample ID: BH12-7-5'

GC Semivolatiles

Lot-Sample #...: G1B140237-002 Work Order #...: DV5GD2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/06/01
Prep Batch #...: 1058238
Dilution Factor: 20 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	34	ug/kg
gamma-BHC (Lindane)	ND Q	34	ug/kg
Heptachlor	ND	34	ug/kg
Aldrin	ND	34	ug/kg
beta-BHC	ND	34	ug/kg
delta-BHC	ND	34	ug/kg
Heptachlor epoxide	ND	34	ug/kg
Endosulfan I	ND	34	ug/kg
gamma-Chlordane	**200**	**34**	**ug/kg**
alpha-Chlordane	**180**	**34**	**ug/kg**
4,4'-DDE	**120**	**68**	**ug/kg**
Dieldrin	**84**	**68**	**ug/kg**
Endrin	ND	68	ug/kg
4,4'-DDD	ND	68	ug/kg
Endosulfan II	ND	68	ug/kg
4,4'-DDT	**620**	**68**	**ug/kg**
Endrin aldehyde	ND	68	ug/kg
Methoxychlor	ND	340	ug/kg
Endosulfan sulfate	ND	68	ug/kg
Endrin ketone	ND	68	ug/kg
Toxaphene	ND	1300	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD	(73 - 135)
Tetrachloro-m-xylene	0.0 SRD	(55 - 117)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SCS ENGINEERS

Client Sample ID: BH13-7-5'

GC Semivolatiles

Lot-Sample #...: G1B140237-003 Work Order #...: DV5GE2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 10 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	17	ug/kg
gamma-BHC (Lindane)	ND	17	ug/kg
Heptachlor	ND Q	17	ug/kg
Aldrin	ND	17	ug/kg
beta-BHC	ND	17	ug/kg
delta-BHC	ND	17	ug/kg
Heptachlor epoxide	ND	17	ug/kg
Endosulfan I	ND	17	ug/kg
gamma-Chlordane	**110**	**17**	**ug/kg**
alpha-Chlordane	**98**	**17**	**ug/kg**
4,4'-DDE	ND	34	ug/kg
Dieldrin	ND	34	ug/kg
Endrin	ND	34	ug/kg
4,4'-DDD	ND	34	ug/kg
Endosulfan II	ND	34	ug/kg
4,4'-DDT	ND	34	ug/kg
Endrin aldehyde	ND	34	ug/kg
Methoxychlor	ND	170	ug/kg
Endosulfan sulfate	ND	34	ug/kg
Endrin ketone	ND	34	ug/kg
Toxaphene	ND	670	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD	(73 - 135)
Tetrachloro-m-xylene	0.0 SRD	(55 - 117)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SCS ENGINEERS

Client Sample ID: BH12-7-10'

GC Semivolatiles

Lot-Sample #...: G1B140237-004 Work Order #...: DV5GH2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	1.7	ug/kg
gamma-BHC (Lindane)	ND	1.7	ug/kg
Heptachlor	**5.3**	**1.7**	**ug/kg**
Aldrin	ND	1.7	ug/kg
beta-BHC	**6.4**	**1.7**	**ug/kg**
delta-BHC	**5.5**	**1.7**	**ug/kg**
Heptachlor epoxide	**3.9**	**1.7**	**ug/kg**
Endosulfan I	ND	1.7	ug/kg
gamma-Chlordane	**20**	**1.7**	**ug/kg**
alpha-Chlordane	**16**	**1.7**	**ug/kg**
4,4'-DDE	ND	3.4	ug/kg
Dieldrin	**45**	**3.4**	**ug/kg**
Endrin	ND	3.4	ug/kg
4,4'-DDD	ND	3.4	ug/kg
Endosulfan II	ND	3.4	ug/kg
4,4'-DDT	ND	3.4	ug/kg
Endrin aldehyde	ND	3.4	ug/kg
Methoxychlor	ND	17	ug/kg
Endosulfan sulfate	ND	3.4	ug/kg
Endrin ketone	**3.4**	**3.4**	**ug/kg**
Toxaphene	ND	67	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	94	(73 - 135)
Tetrachloro-m-xylene	61	(55 - 117)

SCS ENGINEERS

Client Sample ID: BH13-7-25'

GC Semivolatiles

Lot-Sample #...: G1B140237-005 Work Order #...: DV5GJ2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 10 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND Q	17	ug/kg
gamma-BHC (Lindane)	**38**	**17**	**ug/kg**
Heptachlor	**17**	**17**	**ug/kg**
Aldrin	ND	17	ug/kg
beta-BHC	ND	17	ug/kg
delta-BHC	ND	17	ug/kg
Heptachlor epoxide	ND	17	ug/kg
Endosulfan I	ND	17	ug/kg
gamma-Chlordane	**45**	**17**	**ug/kg**
alpha-Chlordane	**44**	**17**	**ug/kg**
4,4'-DDE	ND	34	ug/kg
Dieldrin	**59**	**34**	**ug/kg**
Endrin	ND	34	ug/kg
4,4'-DDD	ND	34	ug/kg
Endosulfan II	ND	34	ug/kg
4,4'-DDT	**550**	**34**	**ug/kg**
Endrin aldehyde	ND	34	ug/kg
Methoxychlor	ND	170	ug/kg
Endosulfan sulfate	ND	34	ug/kg
Endrin ketone	ND	34	ug/kg
Toxaphene	ND	670	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD	(73 - 135)
Tetrachloro-m-xylene	0.0 SRD	(55 - 117)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SCS ENGINEERS

Client Sample ID: BH13-7-20'

GC Semivolatiles

Lot-Sample #...: G1B140237-006 Work Order #...: DV5GM2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 10 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	17	ug/kg
gamma-BHC (Lindane)	ND Q	17	ug/kg
Heptachlor	ND	17	ug/kg
Aldrin	ND	17	ug/kg
beta-BHC	ND	17	ug/kg
delta-BHC	ND	17	ug/kg
Heptachlor epoxide	ND	17	ug/kg
Endosulfan I	ND	17	ug/kg
gamma-Chlordane	**75**	**17**	**ug/kg**
alpha-Chlordane	**64**	**17**	**ug/kg**
4,4'-DDE	ND	34	ug/kg
Dieldrin	**79**	**34**	**ug/kg**
Endrin	ND	34	ug/kg
4,4'-DDD	ND	34	ug/kg
Endosulfan II	ND	34	ug/kg
4,4'-DDT	**210**	**34**	**ug/kg**
Endrin aldehyde	ND	34	ug/kg
Methoxychlor	ND	170	ug/kg
Endosulfan sulfate	ND	34	ug/kg
Endrin ketone	ND	34	ug/kg
Toxaphene	ND	670	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD	(73 - 135)
Tetrachloro-m-xylene	0.0 SRD	(55 - 117)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SCS ENGINEERS

Client Sample ID: BH14-7-20'

GC Semivolatiles

Lot-Sample #...:	G1B140237-007	Work Order #...:	DV5GQ2AA	Matrix.....:	SOLID
Date Sampled...:	02/13/01	Date Received..:	02/14/01		
Prep Date.....:	02/27/01	Analysis Date..:	03/03/01		
Prep Batch #...:	1058238				
Dilution Factor:	10	Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	17	ug/kg
gamma-BHC (Lindane)	ND	17	ug/kg
Heptachlor	ND	17	ug/kg
Aldrin	ND	17	ug/kg
beta-BHC	ND	17	ug/kg
delta-BHC	ND	17	ug/kg
Heptachlor epoxide	ND	17	ug/kg
Endosulfan I	ND	17	ug/kg
gamma-Chlordane	**47 Q**	**17**	**ug/kg**
alpha-Chlordane	**43**	**17**	**ug/kg**
4,4'-DDE	ND	34	ug/kg
Dieldrin	**58**	**34**	**ug/kg**
Endrin	ND	34	ug/kg
4,4'-DDD	ND	34	ug/kg
Endosulfan II	ND	34	ug/kg
4,4'-DDT	ND	34	ug/kg
Endrin aldehyde	ND	34	ug/kg
Methoxychlor	ND	170	ug/kg
Endosulfan sulfate	ND	34	ug/kg
Endrin ketone	ND	34	ug/kg
Toxaphene	ND	670	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD	(73 - 135)
Tetrachloro-m-xylene	0.0 SRD	(55 - 117)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SCS ENGINEERS

Client Sample ID: BH14-7-15'

GC Semivolatiles

Lot-Sample #...: G1B140237-008 Work Order #...: DV5GV2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 5 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	8.5	ug/kg
gamma-BHC (Lindane)	ND	8.5	ug/kg
Heptachlor	ND	8.5	ug/kg
Aldrin	ND	8.5	ug/kg
beta-BHC	ND	8.5	ug/kg
delta-BHC	ND	8.5	ug/kg
Heptachlor epoxide	ND	8.5	ug/kg
Endosulfan I	ND	8.5	ug/kg
gamma-Chlordane	**50 Q**	**8.5**	**ug/kg**
alpha-Chlordane	**41**	**8.5**	**ug/kg**
4,4'-DDE	ND	17	ug/kg
Dieldrin	**120**	**17**	**ug/kg**
Endrin	ND	17	ug/kg
4,4'-DDD	ND	17	ug/kg
Endosulfan II	ND	17	ug/kg
4,4'-DDT	ND	17	ug/kg
Endrin aldehyde	ND	17	ug/kg
Methoxychlor	ND	85	ug/kg
Endosulfan sulfate	ND	17	ug/kg
Endrin ketone	ND	17	ug/kg
Toxaphene	ND	340	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	101	(73 - 135)
Tetrachloro-m-xylene	63	(55 - 117)

NOTE(S):

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SCS ENGINEERS

Client Sample ID: BH12-7-25'

GC Semivolatiles

Lot-Sample #...: G1B140237-009 Work Order #...: DV5HD2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	1.7	ug/kg
gamma-BHC (Lindane)	ND	1.7	ug/kg
Heptachlor	ND	1.7	ug/kg
Aldrin	ND	1.7	ug/kg
beta-BHC	ND	1.7	ug/kg
delta-BHC	ND	1.7	ug/kg
Heptachlor epoxide	ND	1.7	ug/kg
Endosulfan I	ND	1.7	ug/kg
gamma-Chlordane	ND	1.7	ug/kg
alpha-Chlordane	ND	1.7	ug/kg
4,4'-DDE	ND	3.4	ug/kg
Dieldrin	ND	3.4	ug/kg
Endrin	ND	3.4	ug/kg
4,4'-DDD	ND	3.4	ug/kg
Endosulfan II	ND	3.4	ug/kg
4,4'-DDT	ND	3.4	ug/kg
Endrin aldehyde	ND	3.4	ug/kg
Methoxychlor	ND	17	ug/kg
Endosulfan sulfate	ND	3.4	ug/kg
Endrin ketone	ND	3.4	ug/kg
Toxaphene	ND	67	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	89	(73 - 135)
Tetrachloro-m-xylene	55	(55 - 117)

SCS ENGINEERS

Client Sample ID: BH12-7-20'

GC Semivolatiles

Lot-Sample #...: G1B140237-010 Work Order #...: DV5HE2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	1.7	ug/kg
gamma-BHC (Lindane)	ND	1.7	ug/kg
Heptachlor	ND	1.7	ug/kg
Aldrin	ND	1.7	ug/kg
beta-BHC	**1.9**	**1.7**	**ug/kg**
delta-BHC	ND	1.7	ug/kg
Heptachlor epoxide	**1.7**	**1.7**	**ug/kg**
Endosulfan I	ND	1.7	ug/kg
gamma-Chlordane	**12**	**1.7**	**ug/kg**
alpha-Chlordane	**15**	**1.7**	**ug/kg**
4,4'-DDE	**7.1**	**3.4**	**ug/kg**
Dieldrin	**17**	**3.4**	**ug/kg**
Endrin	ND	3.4	ug/kg
4,4'-DDD	ND	3.4	ug/kg
Endosulfan II	ND	3.4	ug/kg
4,4'-DDT	**32**	**3.4**	**ug/kg**
Endrin aldehyde	ND	3.4	ug/kg
Methoxychlor	ND	17	ug/kg
Endosulfan sulfate	ND	3.4	ug/kg
Endrin ketone	ND	3.4	ug/kg
Toxaphene	ND	67	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	92	(73 - 135)
Tetrachloro-m-xylene	62	(55 - 117)

SCS ENGINEERS

Client Sample ID: BH14-7-25'

GC Semivolatiles

Lot-Sample #...: G1B140237-011 Work Order #...: DV5HG2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	1.7	ug/kg
gamma-BHC (Lindane)	ND	1.7	ug/kg
Heptachlor	ND	1.7	ug/kg
Aldrin	ND	1.7	ug/kg
beta-BHC	ND	1.7	ug/kg
delta-BHC	ND	1.7	ug/kg
Heptachlor epoxide	ND	1.7	ug/kg
Endosulfan I	ND	1.7	ug/kg
gamma-Chlordane	ND	1.7	ug/kg
alpha-Chlordane	ND	1.7	ug/kg
4,4'-DDE	ND	3.4	ug/kg
Dieldrin	ND	3.4	ug/kg
Endrin	ND	3.4	ug/kg
4,4'-DDD	ND	3.4	ug/kg
Endosulfan II	ND	3.4	ug/kg
4,4'-DDT	ND	3.4	ug/kg
Endrin aldehyde	ND	3.4	ug/kg
Methoxychlor	ND	17	ug/kg
Endosulfan sulfate	ND	3.4	ug/kg
Endrin ketone	ND	3.4	ug/kg
Toxaphene	ND	67	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	86	(73 - 135)
Tetrachloro-m-xylene	60	(55 - 117)

SCS ENGINEERS

Client Sample ID: BH14-7-5'

GC Semivolatiles

Lot-Sample #...: G1B140237-012 Work Order #...: DV5HJ2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 100 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	170	ug/kg
gamma-BHC (Lindane)	ND	170	ug/kg
Heptachlor	**190 Q**	**170**	**ug/kg**
Aldrin	ND	170	ug/kg
beta-BHC	ND	170	ug/kg
delta-BHC	ND	170	ug/kg
Heptachlor epoxide	ND	170	ug/kg
Endosulfan I	ND	170	ug/kg
gamma-Chlordane	**750**	**170**	**ug/kg**
alpha-Chlordane	**680**	**170**	**ug/kg**
4,4'-DDE	ND	340	ug/kg
Dieldrin	**1000**	**340**	**ug/kg**
Endrin	ND	340	ug/kg
4,4'-DDD	ND	340	ug/kg
Endosulfan II	ND	340	ug/kg
4,4'-DDT	**770**	**340**	**ug/kg**
Endrin aldehyde	ND	340	ug/kg
Methoxychlor	ND	1700	ug/kg
Endosulfan sulfate	ND	340	ug/kg
Endrin ketone	ND	340	ug/kg
Toxaphene	ND	6700	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD	(73 - 135)
Tetrachloro-m-xylene	0.0 SRD	(55 - 117)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SCS ENGINEERS

Client Sample ID: BH13-7-10'

GC Semivolatiles

Lot-Sample #...: G1B140237-013 Work Order #...: DV5HM2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 1 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	1.7	ug/kg
gamma-BHC (Lindane)	ND	1.7	ug/kg
Heptachlor	ND	1.7	ug/kg
Aldrin	ND	1.7	ug/kg
beta-BHC	ND	1.7	ug/kg
delta-BHC	ND	1.7	ug/kg
Heptachlor epoxide	ND	1.7	ug/kg
Endosulfan I	ND	1.7	ug/kg
gamma-Chlordane	**4.6**	**1.7**	**ug/kg**
alpha-Chlordane	**3.8**	**1.7**	**ug/kg**
4,4'-DDE	ND	3.4	ug/kg
Dieldrin	**5.4**	**3.4**	**ug/kg**
Endrin	ND	3.4	ug/kg
4,4'-DDD	ND	3.4	ug/kg
Endosulfan II	ND	3.4	ug/kg
4,4'-DDT	**4.9**	**3.4**	**ug/kg**
Endrin aldehyde	ND	3.4	ug/kg
Methoxychlor	ND	17	ug/kg
Endosulfan sulfate	ND	3.4	ug/kg
Endrin ketone	ND	3.4	ug/kg
Toxaphene	ND	67	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	97	(73 - 135)
Tetrachloro-m-xylene	62	(55 - 117)

SCS ENGINEERS

Client Sample ID: BH12-7-15'

GC Semivolatiles

Lot-Sample #...: G1B140237-014 Work Order #...: DV5HR2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/06/01
Prep Batch #...: 1058238
Dilution Factor: 2 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	3.4	ug/kg
gamma-BHC (Lindane)	ND	3.4	ug/kg
Heptachlor	ND Q	3.4	ug/kg
Aldrin	ND	3.4	ug/kg
beta-BHC	ND	3.4	ug/kg
delta-BHC	ND	3.4	ug/kg
Heptachlor epoxide	ND	3.4	ug/kg
Endosulfan I	ND	3.4	ug/kg
gamma-Chlordane	**23**	**3.4**	**ug/kg**
alpha-Chlordane	**16**	**3.4**	**ug/kg**
4,4'-DDE	ND	6.8	ug/kg
Dieldrin	**42**	**6.8**	**ug/kg**
Endrin	ND	6.8	ug/kg
4,4'-DDD	ND	6.8	ug/kg
Endosulfan II	ND	6.8	ug/kg
4,4'-DDT	**11**	**6.8**	**ug/kg**
Endrin aldehyde	ND	6.8	ug/kg
Methoxychlor	ND	34	ug/kg
Endosulfan sulfate	ND	6.8	ug/kg
Endrin ketone	ND	6.8	ug/kg
Toxaphene	ND	130	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	87	(73 - 135)
Tetrachloro-m-xylene	52 *	(55 - 117)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SCS ENGINEERS

Client Sample ID: BH13-7-15'

GC Semivolatiles

Lot-Sample #...: G1B140237-015 Work Order #...: DV5HW2AA Matrix.....: SOLID
Date Sampled...: 02/13/01 Date Received..: 02/14/01
Prep Date.....: 02/27/01 Analysis Date..: 03/06/01
Prep Batch #...: 1058238
Dilution Factor: 5000 Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND Q	8500	ug/kg
gamma-BHC (Lindane)	**30000**	**8500**	**ug/kg**
Heptachlor	ND	8500	ug/kg
Aldrin	ND	8500	ug/kg
beta-BHC	ND	8500	ug/kg
delta-BHC	ND	8500	ug/kg
Heptachlor epoxide	ND	8500	ug/kg
Endosulfan I	ND	8500	ug/kg
gamma-Chlordane	**15000**	**8500**	**ug/kg**
alpha-Chlordane	**14000**	**8500**	**ug/kg**
4,4'-DDE	ND	17000	ug/kg
Dieldrin	ND	17000	ug/kg
Endrin	ND	17000	ug/kg
4,4'-DDD	ND	17000	ug/kg
Endosulfan II	ND	17000	ug/kg
4,4'-DDT	**110000**	**17000**	**ug/kg**
Endrin aldehyde	ND	17000	ug/kg
Methoxychlor	ND	85000	ug/kg
Endosulfan sulfate	ND	17000	ug/kg
Endrin ketone	ND	17000	ug/kg
Toxaphene	ND	340000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	0.0 SRD	(73 - 135)
Tetrachloro-m-xylene	0.0 SRD	(55 - 117)

NOTE(S):

SRD The surrogate recovery was not calculated because the extract was diluted beyond the ability to quantitate a recovery.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

QC DATA ASSOCIATION SUMMARY

G1B140237

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
002	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
003	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
004	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
005	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
006	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
007	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
008	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
009	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
010	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
011	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
012	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
013	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	
014	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	

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QC DATA ASSOCIATION SUMMARY

G1B140237

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
015	SOLID	SW846 8081A		1048134	
	SOLID	SW846 8081A		1058238	

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G1B140237 **Work Order #...:** DWNG21AA **Matrix.....:** SOLID
MB Lot-Sample #: G1B270000-238

Prep Date.....: 02/27/01
Analysis Date..: 03/03/01 **Prep Batch #...:** 1058238
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha-BHC	ND	1.7	ug/kg	SW846 8081A
gamma-BHC (Lindane)	ND	1.7	ug/kg	SW846 8081A
Heptachlor	ND	1.7	ug/kg	SW846 8081A
Aldrin	ND	1.7	ug/kg	SW846 8081A
beta-BHC	ND	1.7	ug/kg	SW846 8081A
delta-BHC	ND	1.7	ug/kg	SW846 8081A
Heptachlor epoxide	ND	1.7	ug/kg	SW846 8081A
Endosulfan I	ND	1.7	ug/kg	SW846 8081A
gamma-Chlordane	ND	1.7	ug/kg	SW846 8081A
alpha-Chlordane	ND	1.7	ug/kg	SW846 8081A
4,4'-DDE	ND	3.4	ug/kg	SW846 8081A
Dieldrin	ND	3.4	ug/kg	SW846 8081A
Endrin	ND	3.4	ug/kg	SW846 8081A
4,4'-DDD	ND	3.4	ug/kg	SW846 8081A
Endosulfan II	ND	3.4	ug/kg	SW846 8081A
4,4'-DDT	ND	3.4	ug/kg	SW846 8081A
Endrin aldehyde	ND	3.4	ug/kg	SW846 8081A
Methoxychlor	ND	17	ug/kg	SW846 8081A
Endosulfan sulfate	ND	3.4	ug/kg	SW846 8081A
Endrin ketone	ND	3.4	ug/kg	SW846 8081A
Toxaphene	ND	67	ug/kg	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	91	(73 - 135)
Tetrachloro-m-xylene	56	(55 - 117)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G1B140237 Work Order #...: DWNG21AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: G1B270000-238 DWNG21AD-LCSD
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
gamma-BHC (Lindane)	16.7	11.8	ug/kg	70		SW846 8081A
	16.7	13.4	ug/kg	80	13	SW846 8081A
Heptachlor	16.7	12.0	ug/kg	72		SW846 8081A
	16.7	13.4	ug/kg	80	11	SW846 8081A
Aldrin	16.7	13.1	ug/kg	78		SW846 8081A
	16.7	15.0	ug/kg	90	14	SW846 8081A
Dieldrin	33.3	28.5	ug/kg	86		SW846 8081A
	33.3	31.9	ug/kg	96	11	SW846 8081A
Endrin	33.3	27.7	ug/kg	83		SW846 8081A
	33.3	31.3	ug/kg	94	12	SW846 8081A
4,4'-DDT	33.3	24.3	ug/kg	73		SW846 8081A
	33.3	26.7	ug/kg	80	9.3	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	81	(73 - 135)
	92	(73 - 135)
Tetrachloro-m-xylene	51 *	(55 - 117)
	57	(55 - 117)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G1B140237 Work Order #...: DWNG21AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: G1B270000-238 DWNG21AD-LCSD
Prep Date.....: 02/27/01 Analysis Date..: 03/03/01
Prep Batch #...: 1058238
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
gamma-BHC (Lindane)	70	(49 - 115)			SW846 8081A
	80	(49 - 115)	13	(0-35)	SW846 8081A
Heptachlor	72	(62 - 132)			SW846 8081A
	80	(62 - 132)	11	(0-35)	SW846 8081A
Aldrin	78	(70 - 112)			SW846 8081A
	90	(70 - 112)	14	(0-35)	SW846 8081A
Dieldrin	86	(74 - 133)			SW846 8081A
	96	(74 - 133)	11	(0-35)	SW846 8081A
Endrin	83	(76 - 144)			SW846 8081A
	94	(76 - 144)	12	(0-35)	SW846 8081A
4,4'-DDT	73	(62 - 143)			SW846 8081A
	80	(62 - 143)	9.3	(0-35)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Decachlorobiphenyl	81	(73 - 135)
	92	(73 - 135)
Tetrachloro-m-xylene	51 *	(55 - 117)
	57	(55 - 117)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.