CDM ANALYTICAL SERVICES LABORATORY
REACTIVITY_TG ANALYTICAL REPORT

METHOD: EPA SW846 Chapter Seven

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

	METHOD REPORTING LIMIT	CLIENT ID BM TP15 SD CDM ID 95-05623	CLIENT ID BM TP16 L2-NOR1 CDM ID 95-05624
Reactive Cyanide	100	N.D.	N.D.
Reactive Sulfide	100	N.D.	N.D.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: SP Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
REACTIVITY_TG ANALYTICAL REPORT

METHOD: EPA SW846 Chapter Seven

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

	METHOD REPORTING LIMIT	CLIENT ID BM TP17 L2-C2 CDM ID 95-05627	CLIENT ID BM TP18 L2-S1 CDM ID 95-05628
Reactive Cyanide	100	N.D.	N.D.
Reactive Sulfide	100	N.D.	N.D.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: EP Date: 12-05-95

CDM ANALYTICAL SERVICES LABORATORY
REACTIVITY_TG ANALYTICAL REPORT

METHOD: EPA SW846 Chapter Seven

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

	METHOD REPORTING LIMIT	CLIENT ID BM TP18 L2-S2 CDM ID 95-05629	CLIENT ID BM TP19 L1-N1 CDM ID 95-05630
Reactive Cyanide	100	N.D.	N.D.
Reactive Sulfide	100	N.D.	N.D.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LF Approved By: EP Date: 11/16/05

CDM ANALYTICAL SERVICES LABORATORY
REACTIVITY_TG ANALYTICAL REPORT

METHOD: EPA SW846 Chapter Seven

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

	METHOD REPORTING LIMIT	CLIENT ID BM TP20 L1-C1 CDM ID 95-05631	CLIENT ID BM TP21 L1-S1 CDM ID 95-05632
Reactive Cyanide	100	N.D.	N.D.
Reactive Sulfide	100	N.D.	N.D.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: EP Date: 11/1/95

CDM ANALYTICAL SERVICES LABORATORY
REACTIVITY_TG ANALYTICAL REPORT

METHOD: EPA SW846 Chapter Seven

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

	METHOD REPORTING LIMIT	CLIENT ID BM TP22 P-75 CDM ID 95-05633	CLIENT ID BM TP23 WD CDM ID 95-05634
Reactive Cyanide	100	N.D.	N.D.
Reactive Sulfide	100	N.D.	N.D.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LT Approved By: [illegible] Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
REACTIVITY_TG ANALYTICAL REPORT

METHOD: EPA SW846 Chapter Seven

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

	METHOD REPORTING LIMIT	CLIENT ID BM COMP P-88 CDM ID 95-05635
Reactive Cyanide	100	N.D.
Reactive Sulfide	100	N.D.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: [illegible] Approved By: [illegible] Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
SPECCOND_TG ANALYTICAL REPORT

METHOD: EPA 120.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951030BNA

Matrix: Soil
Units: umhos/cm per 50 gram sample as received

	METHOD REPORTING LIMIT	CLIENT ID BM DM C1 CDM ID 95-05612	CLIENT ID BM DM C2 CDM ID 95-05613
* Specific Conductance	10	1000	550

* - Specific conductance tests were conducted on a paste of 50 grams soil to 50 grams de-ionized water.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: SP Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
SPECCOND_TG ANALYTICAL REPORT

METHOD: EPA 120.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: umhos/cm per 50 gram sample as received

	METHOD REPORTING LIMIT	CLIENT ID BM TP1 PD CDM ID 95-05617	CLIENT ID BM TP2 BT CDM ID 95-05618
* Specific Conductance	10	23	68

* - Specific conductance tests were conducted on a paste of 50 grams soil to 50 grams de-ionized water.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: Ef Date: 11/13/95

CDM ANALYTICAL SERVICES LABORATORY
SPECCOND_TG ANALYTICAL REPORT

METHOD: EPA 120.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: umhos/cm per 50 gram sample as received

	METHOD REPORTING LIMIT	CLIENT ID BM TP5 MW1 CDM ID 95-05619	CLIENT ID BM TP6 FP CDM ID 95-05620
* Specific Conductance	10	62	49

* - Specific conductance tests were conducted on a paste of 50 grams soil to 50 grams de-ionized water.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: SJ Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
SPECCOND_TG ANALYTICAL REPORT

METHOD: EPA 120.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: umhos/cm per 50 gram sample as received

	METHOD REPORTING LIMIT	CLIENT ID BM TP8 KS CDM ID 95-05621	CLIENT ID BM TP10 RB CDM ID 95-05622
* Specific Conductance	10	180	28

* - Specific conductance tests were conducted on a paste of 50 grams soil to 50 grams de-ionized water.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: EP Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
SPECCOND_TG ANALYTICAL REPORT

METHOD: EPA 120.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: umhos/cm per 50 gram sample as received

	METHOD REPORTING LIMIT	CLIENT ID BM TP15 SD CDM ID 95-05623	CLIENT ID BM TP16 L2-NOR1 CDM ID 95-05624
* Specific Conductance	10	21	87

* - Specific conductance tests were conducted on a paste of 50 grams soil to 50 grams de-ionized water.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: EF Date: 11/2/95

CDM ANALYTICAL SERVICES LABORATORY
SPECCOND_TG ANALYTICAL REPORT

METHOD: EPA 120.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: umhos/cm per 50 gram sample as received

	METHOD REPORTING LIMIT	CLIENT ID BM TP16 L2-NOR2 CDM ID 95-05625	CLIENT ID BM TP17 L2-C1 CDM ID 95-05626
* Specific Conductance	10	46	61

* - Specific conductance tests were conducted on a paste of 50 grams soil to 50 grams de-ionized water.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: EP Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
SPECCOND_TG ANALYTICAL REPORT

METHOD: EPA 120.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: umhos/cm per 50 gram sample as received

	METHOD REPORTING LIMIT	CLIENT ID BM TP17 L2-C2 CDM ID 95-05627	CLIENT ID BM TP18 L2-S1 CDM ID 95-05628
* Specific Conductance	10	41	24

* - Specific conductance tests were conducted on a paste of 50 grams soil to 50 grams de-ionized water.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: EP Date: 12-05-95

CDM ANALYTICAL SERVICES LABORATORY
SPECCOND_TG ANALYTICAL REPORT

METHOD: EPA 120.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: umhos/cm per 50 gram sample as received

	METHOD REPORTING LIMIT	CLIENT ID BM TP18 L2-S2 CDM ID 95-05629	CLIENT ID BM TP19 L1-N1 CDM ID 95-05630
* Specific Conductance	10	190	43

* - Specific conductance tests were conducted on a paste of 50 grams soil to 50 grams de-ionized water.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: EP Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
SPECCOND_TG ANALYTICAL REPORT

METHOD: EPA 120.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: umhos/cm per 50 gram sample as received

	METHOD REPORTING LIMIT	CLIENT ID BM TP20 L1-C1 CDM ID 95-05631	CLIENT ID BM TP21 L1-S1 CDM ID 95-05632
* Specific Conductance	10	46	52

* - Specific conductance tests were conducted on a paste of 50 grams soil to 50 grams de-ionized water.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: GP Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
SPECCOND_TG ANALYTICAL REPORT

METHOD: EPA 120.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: umhos/cm per 50 gram sample as received

	METHOD REPORTING LIMIT	CLIENT ID BM TP22 P-75 CDM ID 95-05633	CLIENT ID BM TP23 WD CDM ID 95-05634
* Specific Conductance	10	18	260

* - Specific conductance tests were conducted on a paste of 50 grams soil to 50 grams de-ionized water.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: TP Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
SPECCOND_TG ANALYTICAL REPORT

METHOD: EPA 120.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: umhos/cm per 50 gram sample as received

	METHOD REPORTING LIMIT	CLIENT ID BM COMP P-88 CDM ID 95-05635
* Specific Conductance	10	23

* - Specific conductance tests were conducted on a paste of 50 grams soil to 50 grams de-ionized water.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: LP Approved By: EP Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951030BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/01/95
Analyzed: 11/06/95

	METHOD REPORTING LIMIT	CLIENT ID BM DM C1 CDM ID 95-05612	CLIENT ID BM DM C2 CDM ID 95-05613
Pet Hydrocarbon, IR	25	5100	6000

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: [illegible] Approved By: [illegible] Date: [illegible]

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/02/95
Analyzed: 11/13/95

	METHOD REPORTING LIMIT	CLIENT ID BM PUG CDM ID 95-05614	CLIENT ID BM ORGO CDM ID 95-05615
Pet Hydrocarbon, IR	25	250	440

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: AK Approved By: [illegible] Date: 11/13/95

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/02/95
Analyzed: 11/13/95

	METHOD REPORTING LIMIT	CLIENT ID BM TP1 PD CDM ID 95-05617	CLIENT ID BM TP2 BT CDM ID 95-05618
Pet Hydrocarbon, IR	25	74	4100

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: [illegible] Approved By: [illegible] Date: [illegible]

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/02/95
Analyzed: 11/13/95

	METHOD REPORTING LIMIT	CLIENT ID BM TP5 MW1 CDM ID 95-05619	CLIENT ID BM TP6 FP CDM ID 95-05620
Pet Hydrocarbon, IR	25	830	38

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: [illegible] Approved By: [illegible] Date: 11/27

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/02/95
Analyzed: 11/13/95

	METHOD REPORTING LIMIT	CLIENT ID BM TP8 KS CDM ID 95-05621	CLIENT ID BM TP10 RB CDM ID 95-05622
Pet Hydrocarbon, IR	25	630	130

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: [illegible] Approved By: [illegible] Date: [illegible]

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/02/95
Analyzed: 11/13/95

	METHOD REPORTING LIMIT	CLIENT ID BM TP15 SD CDM ID 95-05623	CLIENT ID BM TP16 L2-NOR1 CDM ID 95-05624
Pet Hydrocarbon, IR	25	25	92

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: [illegible] Approved By: [illegible] Date: [illegible]

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/02/95
Analyzed: 11/13/95

	METHOD REPORTING LIMIT	CLIENT ID BM TP16 L2-NOR2 CDM ID 95-05625	CLIENT ID BM TP17 L2-C1 CDM ID 95-05626
Pet Hydrocarbon, IR	25	60	1400

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: [illegible] Approved By: [illegible] Date: 11/14/95

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/02/95
Analyzed: 11/13/95

	METHOD REPORTING LIMIT	CLIENT ID BM TP17 L2-C2 CDM ID 95-05627	CLIENT ID BM TP18 L2-S1 CDM ID 95-05628
Pet Hydrocarbon, IR	25	27	190

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: DR Approved By: EP Date: 12-05-95

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/02/95
Analyzed: 11/13/95

	METHOD REPORTING LIMIT	CLIENT ID BM TP18 L2-S2 CDM ID 95-05629	CLIENT ID BM TP19 L1-N1 CDM ID 95-05630
Pet Hydrocarbon, IR	25	540	350

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: [illegible] Approved By: [illegible] Date: 11/21/95

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/02/95
Analyzed: 11/13/95

	METHOD REPORTING LIMIT	CLIENT ID BM TP20 L1-C1 CDM ID 95-05631	CLIENT ID BM TP21 L1-S1 CDM ID 95-05632
Pet Hydrocarbon, IR	25	940	300

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: [illegible] Approved By: [illegible] Date: [illegible]

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/02/95
Analyzed: 11/13/95

	METHOD REPORTING LIMIT	CLIENT ID BM TP22 P-75 CDM ID 95-05633	CLIENT ID BM TP23 WD CDM ID 95-05634
Pet Hydrocarbon, IR	25	550	2700

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: [illegible] Approved By: [illegible] Date: [illegible]

CDM ANALYTICAL SERVICES LABORATORY
TPH - DRY ANALYTICAL REPORT

METHOD: EPA 9071/418.1

Client: BUCKLEY + MANN
Task #: 951027-04
Batch #: S951031BNA

Matrix: Soil
Units: mg/kg dry

Prepared: 11/02/95
Analyzed: 11/13/95

	METHOD REPORTING LIMIT	CLIENT ID BM COMP P-88 CDM ID 95-05635
Pet Hydrocarbon, IR	25	N.D.

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Analyzed By: [illegible] Approved By: [illegible] Date: [illegible]

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270
ABN 8270 QC - BLANK

Batch #: S951030BNA
Lab ID: S951030BNABLK
Matrix: Soil
Units: ug/kg dry

Prepared: 10/30/1995
Analyzed: 10/31/1995

	REPORTING LIMIT	CDM METHOD BLANK S951030BNABLK
1,2,4-Trichlorobenzene	300	N.D.
1,2-Diphenylhydrazine	300	N.D.
2,4,5-Trichlorophenol	300	N.D.
2,4,6-Trichlorophenol	300	N.D.
2,4-Dichlorophenol	300	N.D.
2,4-Dimethylphenol	300	N.D.
2,4-Dinitrophenol	1500	N.D.
2,4-Dinitrotoluene	300	N.D.
2,6-Dinitrotoluene	300	N.D.
2-Chloronaphthalene	300	N.D.
2-Chlorophenol	300	N.D.
2-Methylnaphthalene	300	N.D.
2-Methylphenol	300	N.D.
2-Nitroaniline	1500	N.D.
2-Nitrophenol	300	N.D.
3,3'-Dichlorobenzidine	600	N.D.
3-Nitroaniline	1500	N.D.
4,6-Dinitro-2-methylphenol	1500	N.D.
4-Bromophenyl phenyl ether	300	N.D.
4-Chloro-3-methylphenol	600	N.D.
4-Chloroaniline	600	N.D.
4-Chlorophenyl phenyl ether	300	N.D.
4-Methylphenol	300	N.D.
4-Nitroaniline	300	N.D.
4-Nitrophenol	1500	N.D.
Acenaphthene	300	N.D.
Acenaphthylene	300	N.D.
Aniline	300	N.D.
Anthracene	300	N.D.
Benzidine	600	N.D.
Benzo(a)anthracene	300	N.D.
Benzo(a)pyrene	300	N.D.
Benzo(b)fluoranthene	300	N.D.
Benzo(g,h,i)perylene	300	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270
ABN 8270 QC - BLANK

Batch #: S951030BNA
Lab ID: S951030BNABLK
Matrix: Soil
Units: ug/kg dry

Prepared: 10/30/1995
Analyzed: 10/31/1995

	REPORTING LIMIT	CDM METHOD BLANK S951030BNABLK
Benzo(k)fluoranthene	300	N.D.
Benzoic acid	1500	N.D.
Benzyl Alcohol	600	N.D.
Bis(2-Chloroethyl)ether	300	N.D.
Bis(2-Chloroisopropyl)ether	300	N.D.
Bis(2-Ethylhexyl)phthalate	300	N.D.
Bis(2-chloroethoxy)methane	300	N.D.
Butyl benzyl phthalate	300	N.D.
Carbazole	300	N.D.
Chrysene	300	N.D.
Di-n-butyl phthalate	300	N.D.
Di-n-octyl phthalate	300	N.D.
Dibenzo(a,h)anthracene	300	N.D.
Dibenzofuran	300	N.D.
Diethyl phthalate	300	N.D.
Dimethyl phthalate	300	N.D.
Fluoranthene	300	N.D.
Fluorene	300	N.D.
Hexachlorobenzene	300	N.D.
Hexachlorobutadiene	300	N.D.
Hexachlorocyclopentadiene	1500	N.D.
Hexachloroethane	300	N.D.
Indeno(1,2,3-cd)pyrene	300	N.D.
Isophorone	300	N.D.
N-Nitroso-di-n-propylamine	300	N.D.
N-Nitrosodimethylamine	300	N.D.
N-Nitrosodiphenylamine	300	N.D.
Naphthalene	300	N.D.
Nitrobenzene	300	N.D.
Pentachlorophenol	1500	N.D.
Phenanthrene	300	N.D.
Phenol	300	N.D.
Pyrene	300	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: 11/2/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270

Batch #: S951030BNA
Matrix: Soil
Units: ng.

Prepared: 10/30/1995

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
95-05612-01				
2,4,6-Tribromophenol	200	180	89	19-122
2-Fluorobiphenyl	100	110	110	30-115
2-Fluorophenol	200	140	69	25-121
4-Terphenyl-d14	100	99	99	18-137
Nitrobenzene-d5	100	95	95	23-120
Phenol-d6	200	170	85	24-113
95-05613-01				
2,4,6-Tribromophenol	200	180	90	19-122
2-Fluorobiphenyl	100	97	97	30-115
2-Fluorophenol	200	120	58	25-121
4-Terphenyl-d14	100	99	99	18-137
Nitrobenzene-d5	100	79	79	23-120
Phenol-d6	200	160	79	24-113
95-05614-01				
2,4,6-Tribromophenol	200	170	83	19-122
2-Fluorobiphenyl	100	87	87	30-115
2-Fluorophenol	200	91	45	25-121
4-Terphenyl-d14	100	86	86	18-137
Nitrobenzene-d5	100	72	72	23-120
Phenol-d6	200	120	62	24-113
95-05615-01				
2,4,6-Tribromophenol	200	160	79	19-122
2-Fluorobiphenyl	100	89	89	30-115
2-Fluorophenol	200	110	55	25-121
4-Terphenyl-d14	100	87	87	18-137
Nitrobenzene-d5	100	76	76	23-120
Phenol-d6	200	140	71	24-113

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270

Batch #: S951030BNA
Matrix: Soil
Units: ng

Prepared: 10/30/1995

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
95-05617-02				
2,4,6-Tribromophenol	200	140	71	19-122
2-Fluorobiphenyl	100	95	95	30-115
2-Fluorophenol	200	120	61	25-121
4-Terphenyl-d14	100	88	88	18-137
Nitrobenzene-d5	100	70	70	23-120
Phenol-d6	200	150	74	24-113
95-05618-02				
2,4,6-Tribromophenol	200	130	66	19-122
2-Fluorobiphenyl	100	97	97	30-115
2-Fluorophenol	200	110	56	25-121
4-Terphenyl-d14	100	78	78	18-137
Nitrobenzene-d5	100	73	73	23-120
Phenol-d6	200	140	69	24-113
95-05619-02				
2,4,6-Tribromophenol	200	130	66	19-122
2-Fluorobiphenyl	100	96	96	30-115
2-Fluorophenol	200	140	68	25-121
4-Terphenyl-d14	100	92	92	18-137
Nitrobenzene-d5	100	78	78	23-120
Phenol-d6	200	160	78	24-113
95-05620-02				
2,4,6-Tribromophenol	200	170	83	19-122
2-Fluorobiphenyl	100	78	78	30-115
2-Fluorophenol	200	84	42	25-121
4-Terphenyl-d14	100	82	82	18-137
Nitrobenzene-d5	100	52	52	23-120
Phenol-d6	200	110	57	24-113

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270

Batch #: S951030BNA
Matrix: Soil
Units: ng

Prepared: 10/30/1995

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
95-05621-02				
2,4,6-Tribromophenol	200	140	71	19-122
2-Fluorobiphenyl	100	100	100	30-115
2-Fluorophenol	200	140	70	25-121
4-Terphenyl-d14	100	91	91	18-137
Nitrobenzene-d5	100	78	78	23-120
Phenol-d6	200	160	79	24-113
95-05622-02				
2,4,6-Tribromophenol	200	150	77	19-122
2-Fluorobiphenyl	100	64	64	30-115
2-Fluorophenol	200	92	46	25-121
4-Terphenyl-d14	100	74	74	18-137
Nitrobenzene-d5	100	52	52	23-120
Phenol-d6	200	100	52	24-113
S951030BNABLK				
2,4,6-Tribromophenol	200	160	79	19-122
2-Fluorobiphenyl	100	62	62	30-115
2-Fluorophenol	200	98	49	25-121
4-Terphenyl-d14	100	77	77	18-137
Nitrobenzene-d5	100	54	54	23-120
Phenol-d6	200	110	53	24-113
S951030BNALFB				
2,4,6-Tribromophenol	200	99	49	19-122
2-Fluorobiphenyl	100	32	32	30-115
2-Fluorophenol	200	54	27	25-121
4-Terphenyl-d14	100	48	48	18-137
Nitrobenzene-d5	100	30	30	23-120
Phenol-d6	200	60	30	24-113

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270

Batch #: S951030BNA
Matrix: Soil
Units: ng

Prepared: 10/30/1995

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
95-05617-MS				
2,4,6-Tribromophenol	200	170	87	19-122
2-Fluorobiphenyl	100	100	100	30-115
2-Fluorophenol	200	130	63	25-121
4-Terphenyl-d14	100	94	94	18-137
Nitrobenzene-d5	100	80	80	23-120
Phenol-d6	200	150	77	24-113

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: 11/10/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270
ABN 8270 QC - LAB FORTIFIED BLAN

Batch #: S951030BNA
Lab ID: S951030BNALFB
Matrix: Soil
Units: ug/kg dry

Prepared: 10/30/1995
Analyzed: 10/31/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	LFB % REC	QC LIMITS
1,2,4-Trichlorobenzene	3300	300	N.D.	34	38-107
2,4-Dinitrotoluene	3300	300	N.D.	58	28-89
2-Chlorophenol	6700	300	N.D.	30	25-102
4-Chloro-3-methylphenol	6700	600	N.D.	37	26-103
4-Nitrophenol	6700	1500	N.D.	58	11-114
Acenaphthene	3300	300	N.D.	35	31-137
N-Nitroso-di-n-propylamine	3300	300	N.D.	36	41-126
Pentachlorophenol	6700	1500	N.D.	55	17-109
Phenol	6700	300	N.D.	30	26-90
Pyrene	3300	300	N.D.	51	35-142

N.D. - Not Detected at specified detection limit.

LFB: Laboratory Fortified Blank

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270
ABN 8270 QC - MATRIX SPIKE

Batch #: S951030BNA
Lab ID: 95-05617-MS
Matrix: Soil
Units: ug/kg dry

Prepared: 10/30/1995
Analyzed: 11/01/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC	QC LIMITS
1,2,4-Trichlorobenzene	9000	300	N.D.	44	38-107
2,4-Dinitrotoluene	9000	300	N.D.	48	28-89
2-Chlorophenol	18000	300	N.D.	37	25-102
4-Chloro-3-methylphenol	18000	600	N.D.	49	26-103
4-Nitrophenol	18000	1500	N.D.	60	11-114
Acenaphthene	9000	300	1700	28	31-137
N-Nitroso-di-n-propylamine	9000	300	N.D.	49	41-126
Pentachlorophenol	18000	1500	N.D.	43	17-109
Phenol	18000	300	N.D.	39	26-90
Pyrene	9000	300	14000	-54	35-142

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike

Approved By: _____ Date: 11/2/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - BLANK

Batch #: S951108MET1
Lab ID: S951108MET1B1
Matrix: Soil
Units: mg/kg dry

Prepared: 11/08/1995
Analyzed: 11/13/1995

	REPORTING LIMIT	CDM METHOD BLANK S951108MET1B1
As	0.50	N.D.
Sb	2.0	N.D.
Se	1.0	N.D.
Tl	2.0	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: CD

Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - BLANK

Batch #: S951108MET1
Lab ID: S951108MET1B2
Matrix: Soil
Units: mg/kg dry

Prepared: 11/08/1995
Analyzed: 11/13/1995

	REPORTING LIMIT	CDM METHOD BLANK S951108MET1B2
As	0.50	N.D.
Se	1.0	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: EP

Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - BLANK

Batch #: S951108MET1
Lab ID: S951108METB1
Matrix: Soil
Units: mg/kg dry

Prepared: 11/08/1995
Analyzed: 11/15/1995

	REPORTING LIMIT	CDM METHOD BLANK S951108METB1
beryllium	0.4	N.D.
cadmium	1.0	N.D.
chromium	2.0	N.D.
copper	2.0	N.D.
lead	10.	N.D.
nickel	2.0	N.D.
silver	2.0	N.D.
zinc	2.0	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - DUPLICATE

Batch #: S951108MET1
Lab ID: 95-05612-01-DUP
Matrix: Soil
Units: mg/kg dry

Prepared: 11/08/1995
Analyzed: 11/13/1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
As	0.50	17	11	45
Se	1.0	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: GP

Date: 11/15/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - DUPLICATE

Batch #: S951108MET1
Lab ID: 95-05621-02-DUP
Matrix: Soil
Units: mg/kg dry

Prepared: 11/08/1995
Analyzed: 11/13/1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
As	0.50	9.3	14	40
Se	1.0	N.D.	N.D.	N/A

N.D. - Not Detected, at specified detection limit.
N/A - Not Applicable

Approved By: QP

Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - DUPLICATE

Batch #: S951108MET1
Lab ID: 95-05679-DUP
Matrix: Soil
Units: mg/kg dry

Prepared: 11/08/1995
Analyzed: 11/09/1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
lead	10	16	16	0

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: EP

Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - MATRIX SPIKE

Batch #: S951108MET1
Lab ID: 95-05613-01-MS
Matrix: Soil
Units: mg/kg dry

Prepared: 11/08/1995
Analyzed: 11/13/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC	QC LIMITS
As	67	0.50	10	99	80-120
Se	33	1.0	N.D.	75	60-120

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike

Approved By: GP

Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - MATRIX SPIKE

Batch #: S951108MET1
Lab ID: 95-05622-02-MS
Matrix: Soil
Units: mg/kg dry

Prepared: 11/08/1995
Analyzed: 11/13/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC	QC LIMITS
As	74	0.50	34	100	80-120
Se	34	1.0	1.2	52	60-120

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike

Approved By: EP

Date: 11/ /95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - MATRIX SPIKE

Batch #: S951108MET1
Lab ID: 95-05678-MS
Matrix: Soil
Units: mg/kg dry

Prepared: 11/08/1995
Analyzed: 11/09/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC	QC LIMITS
lead	50	10	N.D.	94	80-120

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - QCS

Batch #: S951108MET1
Lab ID: S951108MET1Q1
Matrix: Aqueous
Units: ug/l

Prepared: 11/08/1995
Analyzed: 11/13/1995

	QC EXPECTED CONCENTRATION	% REC S951108MET1Q1
As	500	94
Se	250	80

N.D. - Not Detected at specified detection limit.

Approved By: EP Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - QCS

Batch #: S951108MET1
Lab ID: S951108MET1Q2
Matrix: Aqueous
Units: ug/l

Prepared: 11/08/1995
Analyzed: 11/13/1995

	QC EXPECTED CONCENTRATION	% REC S951108MET1Q2
As	500	99
Se	250	93

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - QCS

Batch #: S951108MET1
Lab ID: S951108METQ1
Matrix: Aqueous
Units: ug/l

Prepared: 11/08/1995
Analyzed: 11/15/1995

	QC EXPECTED CONCENTRATION	% REC S951108METQ1
cadmium	250	88
chromium	500	93
lead	500	84
silver	500	84

N.D. - Not Detected at specified detection limit.

Approved By: EP

Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - BLANK

Batch #: S951109MET1
Lab ID: S951109METB1
Matrix: Soil
Units: mg/kg dry

Prepared: 11/09/1995
Analyzed: 11/14/1995

	REPORTING LIMIT	CDM METHOD BLANK S951109METB1
barium	10.	N.D.
cadmium	1.0	N.D.
chromium	2.0	N.D.
silver	2.0	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: E.J. Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - DUPLICATE

Batch #: S951109MET1
Lab ID: 95-05612-DUP
Matrix: Soil
Units: mg/kg dry

Prepared: 11/09/1995
Analyzed: 11/14/1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
barium	10	31	29	7.3
cadmium	1.0	N.D.	N.D.	N/A
chromium	2.0	1300	860	44
silver	2.0	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: EJ

Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - MATRIX SPIKE

Batch #: S951109MET1
Lab ID: 95-05613-MS
Matrix: Soil
Units: mg/kg dry

Prepared: 11/09/1995
Analyzed: 11/14/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC *	QC LIMITS
barium	500	10	25	120	80-120
cadmium	25	1.0	N.D.	120	80-120
chromium	50	2.0	920	400	80-120
silver	50	2.0	N.D.	110	80-120

* - High MS recoveries may be due to high native analyte concentrations.

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike

Approved By: [signature] Date: 11/12/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000

Batch #: S951109MET1
Lab ID: S951109METQ1
Matrix: Aqueous
Units: ug/l

Analyzed: 11/15/95

	QC EXPECTED CONCENTRATION	% REC S951109METQ1
lead	500	92
silver	500	80

N.D. - Not Detected at specified detection limit.

Approved By: EP Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - QCS

Batch #: S951109MET1
Lab ID: S951109METQ1
Matrix: Aqueous
Units: ug/L

Prepared: 11/09/1995
Analyzed: 11/14/1995

	QC EXPECTED CONCENTRATION	% REC S951109METQ1
barium	5000	87
cadmium	250	90
chromium	500	89
silver	500	80

N.D. - Not Detected at specified detection limit.

Approved By: EP Date: 11/21/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8240
VOC 8240 QC - BLANK

Batch #: S951102VOC-2
Lab ID: 951102VOCB1
Matrix: Soil
Units: ug/kg dry

Analyzed: 11/02/1995

	REPORTING LIMIT	CDM METHOD BLANK 951102VOCB1
1,1,1-Trichloroethane	3.0	N.D.
1,1,2,2-Tetrachloroethane	3.0	N.D.
1,1,2-Trichloroethane	3.0	N.D.
1,1-Dichloroethane	3.0	N.D.
1,1-Dichloroethene	3.0	N.D.
1,2-Dichlorobenzene	3.0	N.D.
1,2-Dichloroethane	3.0	N.D.
1,2-Dichloropropane	3.0	N.D.
1,3-Dichlorobenzene	3.0	N.D.
1,4-Dichlorobenzene	3.0	N.D.
2-Butanone	60.	N.D.
2-Hexanone	60.	N.D.
4-Methyl-2-Pentanone	60.	N.D.
Acetone	60.	N.D.
Benzene	3.0	N.D.
Bromodichloromethane	3.0	N.D.
Bromoform	3.0	N.D.
Bromomethane	15.	N.D.
Carbon Disulfide	15.	N.D.
Carbon Tetrachloride	3.0	N.D.
Chlorobenzene	3.0	N.D.
Chloroethane	15.	N.D.
Chloroform	3.0	N.D.
Chloromethane	15.	N.D.
Cis-1,2-Dichloroethene	3.0	N.D.
Cis-1,3-Dichloropropene	3.0	N.D.
Dibromochloromethane	3.0	N.D.
Ethylbenzene	3.0	N.D.
Methylene Chloride	15.	N.D.
Styrene	3.0	N.D.
Tetrachloroethene	3.0	N.D.
Toluene	3.0	N.D.
Total Xylenes (as o-Xylene)	3.0	N.D.
Trans-1,2-Dichloroethene	3.0	N.D.
Trans-1,3-Dichloropropene	3.0	N.D.
Trichloroethene	3.0	N.D.
Vinyl Chloride	3.0	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: [illegible] Date: 11/02/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8240

Batch #: S951102VOC-2
Matrix: Soil
Units: ng

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
95-05617-01				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1200	98	74-121
Toluene-d8	1200	1200	97	81-117
95-05618-01				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1100	86	74-121
Toluene-d8	1200	1400	110	81-117
95-05619-01				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1100	90	74-121
Toluene-d8	1200	1300	100	81-117
95-05620-01				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1200	94	74-121
Toluene-d8	1200	1300	100	81-117
95-05621-01				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1100	90	74-121
Toluene-d8	1200	1400	110	81-117
95-05622-01				
1,2-Dichloroethane-d4	1200	1300	110	70-121
4-Bromofluorobenzene	1200	1200	98	74-121
Toluene-d8	1200	1200	100	81-117
95-05626-01				

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8240

Batch #: S951102VOC-2
Matrix: Soil
Units: ng

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1100	88	74-121
Toluene-d8	1200	1100	88	81-117
95-05627-01				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1200	96	74-121
Toluene-d8	1200	1400	110	81-117
95-05628-01				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	980	78	74-121
Toluene-d8	1200	1200	99	81-117
951102VOCB1				
1,2-Dichloroethane-d4	1200	1200	99	70-121
4-Bromofluorobenzene	1200	1300	100	74-121
Toluene-d8	1200	1200	94	81-117
951102VOC-LFB				
1,2-Dichloroethane-d4	1200	1200	99	70-121
4-Bromofluorobenzene	1200	1300	100	74-121
Toluene-d8	1200	1200	95	81-117
951102VOC-LFBD				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1300	100	74-121
Toluene-d8	1200	1200	95	81-117

N.D. - Not Detected at specified detection limit.

Approved By: R~ Date: 11/96

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8240
VOC 8240 QC - SPIKE DUPLICATE

Batch #: S951102VOC-2
Lab ID: 951102VOC-LFBD
Matrix: Soil
Units: ug/kg dry

Analyzed: 11/02/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC	MSD % REC	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
1,1-Dichloroethene	120	3.0	N.D.	110	110	0.38	22	59-172
Benzene	120	3.0	N.D.	100	100	0.20	21	66-142
Chlorobenzene	120	3.0	N.D.	110	110	0.38	21	60-133
Toluene	120	3.0	N.D.	95	93	1.7	21	59-139
Trichloroethene	120	3.0	N.D.	110	110	1.8	24	62-137

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike
MSD: Matrix Spike Duplicate
RPD: Relative Percent Difference

Approved By: [illegible] Date: 11/7/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PCB 8080 QC - BLANK

Batch #: S951101PP
Lab ID: S951101PPBLK1
Matrix: Soil
Units: mg/kg dry

Prepared: 11-01-1995
Analyzed: 11-02-1995

	REPORTING LIMIT	CDM METHOD BLANK S951101PPBLK1
Aroclor 1221	0.067	N.D.
Aroclor 1232	0.067	N.D.
Aroclor 1242/1016	0.067	N.D.
Aroclor 1248	0.067	N.D.
Aroclor 1254	0.067	N.D.
Aroclor 1260	0.067	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PESTICIDE 8080 QC - BLANK

Batch #: S951101PP
Lab ID: S951101PPBLK1
Matrix: Soil
Units: mg/kg dry

Prepared: 11-01-1995
Analyzed: 11-02-1995

	REPORTING LIMIT	CDM METHOD BLANK S951101PPBLK1
4,4'-DDD	0.010	N.D.
4,4'-DDE	0.010	N.D.
4,4'-DDT	0.010	N.D.
Aldrin	0.010	N.D.
Chlordane	0.050	N.D.
Dieldrin	0.010	N.D.
Endosulfan I	0.010	N.D.
Endosulfan II	0.010	N.D.
Endosulfan Sulfate	0.010	N.D.
Endrin	0.010	N.D.
Endrin Aldehyde	0.010	N.D.
Heptachlor	0.010	N.D.
Heptachlor Epoxide	0.010	N.D.
Methoxychlor	0.020	N.D.
Toxaphene	0.10	N.D.
alpha-BHC	0.010	N.D.
beta-BHC	0.010	N.D.
delta-BHC	0.010	N.D.
gamma-BHC	0.010	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: 11/2/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080

Batch #: S951101PP
Matrix: Soil
Units: ug

Prepared: 11-01-1995

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
95-05620-02				
DECACHLOROBIPHENYL	1.0	0.90	90	60-150
95-05725-01				
DECACHLOROBIPHENYL	1.0	0.69	69	60-150
95-05730-01				
DECACHLOROBIPHENYL	1.0	0.72	72	60-150
S951101PCBLFB1				
DECACHLOROBIPHENYL	1.0	1.0	100	60-150
S951101PPBLK1				
DECACHLOROBIPHENYL	1.0	0.98	98	60-150
95-05620-DUP				
DECACHLOROBIPHENYL	1.0	0.86	86	60-150
95-05725-DUP				
DECACHLOROBIPHENYL	1.0	0.66	66	60-150
S951101PSTLFB1				
DECACHLOROBIPHENYL	1.0	1.0	100	60-150

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PCB 8080 QC - DUPLICATE

Batch #: S951101PP
Lab ID: 95-05620-DUP
Matrix: Soil
Units: mg/kg dry

Prepared: 11-01-1995
Analyzed: 11-02-1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
Aroclor 1221	0.081	N.D.	N.D.	N/A
Aroclor 1232	0.081	N.D.	N.D.	N/A
Aroclor 1242/1016	0.081	N.D.	N.D.	N/A
Aroclor 1248	0.081	N.D.	N.D.	N/A
Aroclor 1254	0.081	N.D.	N.D.	N/A
Aroclor 1260	0.081	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PCB 8080 QC - DUPLICATE

Batch #: S951101PP
Lab ID: 95-05725-DUP
Matrix: Soil
Units: mg/kg dry

Prepared: 11-01-1995
Analyzed: 11-02-1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
Aroclor 1221	0.067	N.D.	N.D.	N/A
Aroclor 1232	0.067	N.D.	N.D.	N/A
Aroclor 1242/1016	0.067	N.D.	N.D.	N/A
Aroclor 1248	0.067	N.D.	N.D.	N/A
Aroclor 1254	0.067	N.D.	N.D.	N/A
Aroclor 1260	0.067	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PESTICIDE 8080 QC - DUPLICATE

Batch #: S951101PP
Lab ID: 95-05620-DUP
Matrix: Soil
Units: mg/kg dry

Prepared: 11-01-1995
Analyzed: 11-02-1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
4,4'-DDD	0.0041	N.D.	N.D.	N/A
4,4'-DDE	0.0041	N.D.	N.D.	N/A
4,4'-DDT	0.0041	N.D.	N.D.	N/A
Aldrin	0.0041	N.D.	N.D.	N/A
Chlordane	0.016	N.D.	N.D.	N/A
Dieldrin	0.0041	N.D.	N.D.	N/A
Endosulfan I	0.0041	N.D.	N.D.	N/A
Endosulfan II	0.0041	N.D.	N.D.	N/A
Endosulfan Sulfate	0.0041	N.D.	N.D.	N/A
Endrin	0.0041	N.D.	N.D.	N/A
Endrin Aldehyde	0.0041	N.D.	N.D.	N/A
Heptachlor	0.0041	N.D.	N.D.	N/A
Heptachlor Epoxide	0.0041	N.D.	N.D.	N/A
Methoxychlor	0.0082	N.D.	N.D.	N/A
Toxaphene	0.16	N.D.	N.D.	N/A
alpha-BHC	0.0041	N.D.	N.D.	N/A
beta-BHC	0.0041	N.D.	N.D.	N/A
delta-BHC	0.0041	N.D.	N.D.	N/A
gamma-BHC	0.0041	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PESTICIDE 8080 QC - DUPLICATE

Batch #: S951101PP
Lab ID: 95-05725-DUP
Matrix: Soil
Units: mg/kg dry

Prepared: 11-01-1995
Analyzed: 11-02-1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
4,4'-DDD	0.0036	N.D.	N.D.	N/A
4,4'-DDE	0.0036	N.D.	N.D.	N/A
4,4'-DDT	0.0036	N.D.	N.D.	N/A
Aldrin	0.0036	0.076	0.065	15
Chlordane	0.014	N.D.	N.D.	N/A
Dieldrin	0.0036	N.D.	N.D.	N/A
Endosulfan I	0.0036	N.D.	N.D.	N/A
Endosulfan II	0.0036	N.D.	N.D.	N/A
Endosulfan Sulfate	0.0036	N.D.	N.D.	N/A
Endrin	0.0036	N.D.	N.D.	N/A
Endrin Aldehyde	0.0036	N.D.	N.D.	N/A
Heptachlor	0.0036	N.D.	N.D.	N/A
Heptachlor Epoxide	0.0036	N.D.	N.D.	N/A
Methoxychlor	0.0072	N.D.	N.D.	N/A
Toxaphene	0.14	N.D.	N.D.	N/A
alpha-BHC	0.0036	N.D.	N.D.	N/A
beta-BHC	0.0036	N.D.	N.D.	N/A
delta-BHC	0.0036	N.D.	N.D.	N/A
gamma-BHC	0.0036	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: _____ Date: 11/2[illegible]

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PCB 8080 QC - MATRIX SPIKE

Batch #: S951101PP
Lab ID: S951101PCBLFB1
Matrix: Soil
Units: mg/kg dry

Prepared: 11-01-1995
Analyzed: 11-02-1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	LFB % REC	QC LIMITS
Aroclor 1260	1.7	0.067	N.D.	95	60-150

N.D. - Not Detected at specified detection limit.

LFB: Laboratory Fortified Blank

Approved By: _____ Date: 11/29/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PESTICIDE 8080 QC - MATRIX SPIKE

Batch #: S951101PP
Lab ID: S951101PSTLFB1
Matrix: Soil
Units: mg/kg dry

Prepared: 11-01-1995
Analyzed: 11-02-1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC	QC LIMITS
4,4'-DDT	0.033	0.010	N.D.	78	23-134
Aldrin	0.0082	0.010	N.D.	63	34-132
Dieldrin	0.033	0.010	N.D.	79	31-134
Endrin	0.033	0.010	N.D.	78	42-139
Heptachlor	0.0082	0.010	N.D.	73	35-130
gamma-BHC	0.0082	0.010	N.D.	78	46-127

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike

Approved By: _____ Date: 11/6/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - BLANK

Batch #: S951109MET2
Lab ID: S951109METB2
Matrix: Soil
Units: mg/kg dry

Prepared: 11/09/1995
Analyzed: 11/14/1995

	REPORTING LIMIT	CDM METHOD BLANK S951109METB2
barium	10.	N.D.
cadmium	1.0	N.D.
chromium	2.0	N.D.
silver	2.0	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: Ef Date: 11/15/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000

Batch #: S951109MET2
Lab ID: 95-05621-DUP
Matrix: Soil
Units: mg/kg dry

Analyzed: 11/15/95

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
lead	10	750	830	9.5

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: EJ

Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - QCS

Batch #: S951109MET2
Lab ID: S951108METQ2
Matrix: Aqueous
Units: mg/l

Prepared: 11/09/1995
Analyzed: 11/14/1995

	QC EXPECTED CONCENTRATION	% REC S951108METQ2
barium	5.0	94

N.D. - Not Detected at specified detection limit.

Approved By: EP Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - QCS

Batch #: S951109MET2
Lab ID: S951109METQ2
Matrix: Aqueous
Units: ug/l

Prepared: 11/09/1995
Analyzed: 11/15/1995

	QC EXPECTED CONCENTRATION	% REC S951109METQ2
cadmium	250	97
chromium	500	97
silver	500	90

N.D. - Not Detected at specified detection limit.

Approved By: EJ Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8240

Batch #: S951103VOC-1
Matrix: Soil
Units: ng

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
95-05623-01				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1100	90	74-121
Toluene-d8	1200	1400	110	81-117
95-05624-01				
1,2-Dichloroethane-d4	1200	1200	96	70-121
4-Bromofluorobenzene	1200	1200	96	74-121
Toluene-d8	1200	1300	110	81-117
95-05625-01				
1,2-Dichloroethane-d4	1200	1300	110	70-121
4-Bromofluorobenzene	1200	1200	96	74-121
Toluene-d8	1200	1300	110	81-117
95-05629-01				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1200	98	74-121
Toluene-d8	1200	1700	130	81-117
95-05630-01				
1,2-Dichloroethane-d4	1200	900	72	70-121
4-Bromofluorobenzene	1200	1200	98	74-121
Toluene-d8	1200	1300	100	81-117
95-05631-01				
1,2-Dichloroethane-d4	1200	970	78	70-121
4-Bromofluorobenzene	1200	1300	100	74-121
Toluene-d8	1200	1100	87	81-117
95-05632-01				

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: 11/7/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8240

Batch #: S951103VOC-1
Matrix: Soil
Units: ng

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
1,2-Dichloroethane-d4	1200	1100	88	70-121
4-Bromofluorobenzene	1200	1200	96	74-121
Toluene-d8	1200	1300	110	81-117
95-05633-01				
1,2-Dichloroethane-d4	1200	1200	97	70-121
4-Bromofluorobenzene	1200	1100	88	74-121
Toluene-d8	1200	1400	110	81-117
95-05634-01				
1,2-Dichloroethane-d4	1200	1200	93	70-121
4-Bromofluorobenzene	1200	1200	92	74-121
Toluene-d8	1200	1400	110	81-117
95-05729-02				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1200	98	74-121
Toluene-d8	1200	1500	120	81-117
95-05733-02				
1,2-Dichloroethane-d4	1200	1200	99	70-121
4-Bromofluorobenzene	1200	1100	90	74-121
Toluene-d8	1200	1400	110	81-117
951103VOCB1				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1200	98	74-121
Toluene-d8	1200	1300	100	81-117
95-05624-VOC-MS				
1,2-Dichloroethane-d4	1200	1300	100	70-121
4-Bromofluorobenzene	1200	1200	98	74-121
Toluene-d8	1200	1300	100	81-117
95-05624-VOC-MSD				

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8240
VOC 8240 QC - MATRIX SPIKE DUP

Batch #: S951103VOC-1
Lab ID: 95-05624-VOC-MSD
Matrix: Soil
Units: ug/kg dry

Analyzed: 11/03/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC	MSD % REC	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
1,1-Dichloroethene	140	3.0	N.D.	94	100	7.8	22	59-172
Benzene	140	3.0	N.D.	140	110	19	21	66-142
Chlorobenzene	140	3.0	N.D.	110	120	2.8	21	60-133
Toluene	140	3.0	N.D.	100	110	3.7	21	59-139
Trichloroethene	140	3.0	N.D.	110	110	2.1	24	62-137

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike
MSD: Matrix Spike Duplicate
RPD: Relative Percent Difference

Approved By: [illegible] Date: 11/7/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270
ABN 8270 QC - BLANK

Batch #: S951031BNA
Lab ID: S951031BNABLK
Matrix: Soil
Units: ug/kg dry

Prepared: 10/31/1995
Analyzed: 11/01/1995

	REPORTING LIMIT	CDM METHOD BLANK S951031BNABLK
1,2,4-Trichlorobenzene	300	N.D.
1,2-Diphenylhydrazine	300	N.D.
2,4,5-Trichlorophenol	300	N.D.
2,4,6-Trichlorophenol	300	N.D.
2,4-Dichlorophenol	300	N.D.
2,4-Dimethylphenol	300	N.D.
2,4-Dinitrophenol	1500	N.D.
2,4-Dinitrotoluene	300	N.D.
2,6-Dinitrotoluene	300	N.D.
2-Chloronaphthalene	300	N.D.
2-Chlorophenol	300	N.D.
2-Methylnaphthalene	300	N.D.
2-Methylphenol	300	N.D.
2-Nitroaniline	1500	N.D.
2-Nitrophenol	300	N.D.
3,3'-Dichlorobenzidine	600	N.D.
3-Nitroaniline	1500	N.D.
4,6-Dinitro-2-methylphenol	1500	N.D.
4-Bromophenyl phenyl ether	300	N.D.
4-Chloro-3-methylphenol	600	N.D.
4-Chloroaniline	600	N.D.
4-Chlorophenyl phenyl ether	300	N.D.
4-Methylphenol	300	N.D.
4-Nitroaniline	300	N.D.
4-Nitrophenol	1500	N.D.
Acenaphthene	300	N.D.
Acenaphthylene	300	N.D.
Aniline	300	N.D.
Anthracene	300	N.D.
Benzidine	600	N.D.
Benzo(a)anthracene	300	N.D.
Benzo(a)pyrene	300	N.D.
Benzo(b)fluoranthene	300	N.D.
Benzo(g,h,i)perylene	300	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270
ABN 8270 QC - BLANK

Batch #: S951031BNA
Lab ID: S951031BNABLK
Matrix: Soil
Units: ug/kg dry

Prepared: 10/31/1995
Analyzed: 11/01/1995

	REPORTING LIMIT	CDM METHOD BLANK S951031BNABLK
Benzo(k)fluoranthene	300	N.D.
Benzoic acid	1500	N.D.
Benzyl Alcohol	600	N.D.
Bis(2-Chloroethyl)ether	300	N.D.
Bis(2-Chloroisopropyl)ether	300	N.D.
Bis(2-Ethylhexyl)phthalate	300	N.D.
Bis(2-chloroethoxy)methane	300	N.D.
Butyl benzyl phthalate	300	N.D.
Carbazole	300	N.D.
Chrysene	300	N.D.
Di-n-butyl phthalate	300	N.D.
Di-n-octyl phthalate	300	N.D.
Dibenzo(a,h)anthracene	300	N.D.
Dibenzofuran	300	N.D.
Diethyl phthalate	300	N.D.
Dimethyl phthalate	300	N.D.
Fluoranthene	300	N.D.
Fluorene	300	N.D.
Hexachlorobenzene	300	N.D.
Hexachlorobutadiene	300	N.D.
Hexachlorocyclopentadiene	1500	N.D.
Hexachloroethane	300	N.D.
Indeno(1,2,3-cd)pyrene	300	N.D.
Isophorone	300	N.D.
N-Nitroso-di-n-propylamine	300	N.D.
N-Nitrosodimethylamine	300	N.D.
N-Nitrosodiphenylamine	300	N.D.
Naphthalene	300	N.D.
Nitrobenzene	300	N.D.
Pentachlorophenol	1500	N.D.
Phenanthrene	300	N.D.
Phenol	300	N.D.
Pyrene	300	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270

Batch #: S951031BNA
Matrix: Soil
Units: ng

Prepared: 10/31/1995

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
95-05623-02				
2,4,6-Tribromophenol	200	140	71	19-122
2-Fluorobiphenyl	100	90	90	30-115
2-Fluorophenol	200	95	47	25-121
4-Terphenyl-d14	100	77	77	18-137
Nitrobenzene-d5	100	61	61	23-120
Phenol-d6	200	120	59	24-113
95-05624-02				
2,4,6-Tribromophenol	200	170	86	19-122
2-Fluorobiphenyl	100	98	98	30-115
2-Fluorophenol	200	160	80	25-121
4-Terphenyl-d14	100	87	87	18-137
Nitrobenzene-d5	100	86	86	23-120
Phenol-d6	200	170	86	24-113
95-05625-02				
2,4,6-Tribromophenol	200	140	70	19-122
2-Fluorobiphenyl	100	65	65	30-115
2-Fluorophenol	200	100	50	25-121
4-Terphenyl-d14	100	74	74	18-137
Nitrobenzene-d5	100	73	73	23-120
Phenol-d6	200	110	57	24-113
95-05626-02				
2,4,6-Tribromophenol	200	150	75	19-122
2-Fluorobiphenyl	100	96	96	30-115
2-Fluorophenol	200	140	70	25-121
4-Terphenyl-d14	100	84	84	18-137
Nitrobenzene-d5	100	77	77	23-120
Phenol-d6	200	140	69	24-113
95-05627-02				

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270

Batch #: S951031BNA
Matrix: Soil
Units: ng

Prepared: 10/31/1995

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
2,4,6-Tribromophenol	200	140	70	19-122
2-Fluorobiphenyl	100	80	80	30-115
2-Fluorophenol	200	80	40	25-121
4-Terphenyl-d14	100	77	77	18-137
Nitrobenzene-d5	100	52	52	23-120
Phenol-d6	200	98	49	24-113
95-05628-02				
2,4,6-Tribromophenol	200	130	65	19-122
2-Fluorobiphenyl	100	99	99	30-115
2-Fluorophenol	200	100	50	25-121
4-Terphenyl-d14	100	71	71	18-137
Nitrobenzene-d5	100	64	64	23-120
Phenol-d6	200	110	57	24-113
95-05629-02				
2,4,6-Tribromophenol	200	150	76	19-122
2-Fluorobiphenyl	100	86	86	30-115
2-Fluorophenol	200	110	56	25-121
4-Terphenyl-d14	100	83	83	18-137
Nitrobenzene-d5	100	83	83	23-120
Phenol-d6	200	140	68	24-113
95-05630-02				
2,4,6-Tribromophenol	200	140	71	19-122
2-Fluorobiphenyl	100	86	86	30-115
2-Fluorophenol	200	110	56	25-121
4-Terphenyl-d14	100	81	81	18-137
Nitrobenzene-d5	100	84	84	23-120
Phenol-d6	200	140	68	24-113
95-05631-02				
2,4,6-Tribromophenol	200	98	49	19-122
2-Fluorobiphenyl	100	63	63	30-115
2-Fluorophenol	200	78	39	25-121

N.D. - Not Detected at specified detection limit.

Approved By: [signature] Date: 11/7/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270

Batch #: S951031BNA
Matrix: Soil
Units: ng

Prepared: 10/31/1995

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
4-Terphenyl-d14	100	59	59	18-137
Nitrobenzene-d5	100	58	58	23-120
Phenol-d6	200	100	50	24-113
95-05632-02				
2,4,6-Tribromophenol	200	160	80	19-122
2-Fluorobiphenyl	100	80	80	30-115
2-Fluorophenol	200	110	54	25-121
4-Terphenyl-d14	100	80	80	18-137
Nitrobenzene-d5	100	71	71	23-120
Phenol-d6	200	130	65	24-113
95-05633-02				
2,4,6-Tribromophenol	200	120	61	19-122
2-Fluorobiphenyl	100	73	73	30-115
2-Fluorophenol	200	95	48	25-121
4-Terphenyl-d14	100	85	85	18-137
Nitrobenzene-d5	100	57	57	23-120
Phenol-d6	200	110	56	24-113
95-05634-02				
2,4,6-Tribromophenol	200	140	69	19-122
2-Fluorobiphenyl	100	90	90	30-115
2-Fluorophenol	200	100	50	25-121
4-Terphenyl-d14	100	77	77	18-137
Nitrobenzene-d5	100	64	64	23-120
Phenol-d6	200	120	62	24-113
95-05635-02				
2,4,6-Tribromophenol	200	150	75	19-122
2-Fluorobiphenyl	100	110	110	30-115
2-Fluorophenol	200	140	72	25-121
4-Terphenyl-d14	100	86	86	18-137
Nitrobenzene-d5	100	78	78	23-120
Phenol-d6	200	150	74	24-113

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: 11/20/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270

Batch #: S951031BNA
Matrix: Soil
Units: ng

Prepared: 10/31/1995

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
S951031BNABLK				
2,4,6-Tribromophenol	200	130	67	19-122
2-Fluorobiphenyl	100	49	49	30-115
2-Fluorophenol	200	82	41	25-121
4-Terphenyl-d14	100	82	82	18-137
Nitrobenzene-d5	100	45	45	23-120
Phenol-d6	200	89	45	24-113
S951031BNALFB				
2,4,6-Tribromophenol	200	140	68	19-122
2-Fluorobiphenyl	100	52	52	30-115
2-Fluorophenol	200	88	44	25-121
4-Terphenyl-d14	100	79	79	18-137
Nitrobenzene-d5	100	47	47	23-120
Phenol-d6	200	97	48	24-113
95-05626-MS				
2,4,6-Tribromophenol	200	180	91	19-122
2-Fluorobiphenyl	100	120	120	30-115
2-Fluorophenol	200	160	82	25-121
4-Terphenyl-d14	100	90	90	18-137
Nitrobenzene-d5	100	88	88	23-120
Phenol-d6	200	180	88	24-113
95-05632-DUP				
2,4,6-Tribromophenol	200	160	78	19-122
2-Fluorobiphenyl	100	87	87	30-115
2-Fluorophenol	200	100	51	25-121
4-Terphenyl-d14	100	84	84	18-137
Nitrobenzene-d5	100	65	65	23-120
Phenol-d6	200	130	66	24-113

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270
ACIDITY QC - DUPLICATE

Batch #: S951031BNA
Lab ID: 95-05632-DUP
Matrix: Soil
Units: ug/kg dry

Prepared: 10/31/1995
Analyzed: 11/01/1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
1,2,4-Trichlorobenzene	300	2300	2100	9.2
1,2-Diphenylhydrazine	300	N.D.	N.D.	N/A
2,4,5-Trichlorophenol	300	N.D.	N.D.	N/A
2,4,6-Trichlorophenol	300	N.D.	N.D.	N/A
2,4-Dichlorophenol	300	N.D.	N.D.	N/A
2,4-Dimethylphenol	300	N.D.	N.D.	N/A
2,4-Dinitrophenol	1500	N.D.	N.D.	N/A
2,4-Dinitrotoluene	300	N.D.	N.D.	N/A
2,6-Dinitrotoluene	300	N.D.	N.D.	N/A
2-Chloronaphthalene	300	N.D.	N.D.	N/A
2-Chlorophenol	300	N.D.	N.D.	N/A
2-Methylnaphthalene	300	8600	8100	6.3
2-Methylphenol	300	N.D.	N.D.	N/A
2-Nitroaniline	1500	N.D.	N.D.	N/A
2-Nitrophenol	300	N.D.	N.D.	N/A
3,3'-Dichlorobenzidine	600	N.D.	N.D.	N/A
3-Nitroaniline	1500	N.D.	N.D.	N/A
4,6-Dinitro-2-methylphenol	1500	N.D.	N.D.	N/A
4-Bromophenyl phenyl ether	300	N.D.	N.D.	N/A
4-Chloro-3-methylphenol	600	N.D.	N.D.	N/A
4-Chloroaniline	600	N.D.	N.D.	N/A
4-Chlorophenyl phenyl ether	300	N.D.	N.D.	N/A
4-Methylphenol	300	N.D.	N.D.	N/A
4-Nitroaniline	300	N.D.	N.D.	N/A
4-Nitrophenol	1500	N.D.	N.D.	N/A
Acenaphthene	300	3000	2800	7.1
Acenaphthylene	300	N.D.	N.D.	N/A
Aniline	300	N.D.	N.D.	N/A
Anthracene	300	N.D.	N.D.	N/A
Benzidine	600	N.D.	N.D.	N/A
Benzo(a)anthracene	300	N.D.	N.D.	N/A
Benzo(a)pyrene	300	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: _____ Date: 11/2/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270
ACIDITY QC - DUPLICATE

Batch #: S951031BNA
Lab ID: 95-05632-DUP
Matrix: Soil
Units: ug/kg dry

Prepared: 10/31/1995
Analyzed: 11/01/1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
Benzo(b)fluoranthene	300	N.D.	N.D.	N/A
Benzo(g,h,i)perylene	300	N.D.	N.D.	N/A
Benzo(k)fluoranthene	300	N.D.	N.D.	N/A
Benzoic acid	1500	N.D.	N.D.	N/A
Benzyl Alcohol	600	N.D.	N.D.	N/A
Bis(2-Chloroethyl)ether	300	N.D.	N.D.	N/A
Bis(2-Chloroisopropyl)ether	300	N.D.	N.D.	N/A
Bis(2-Ethylhexyl)phthalate	300	N.D.	N.D.	N/A
Bis(2-chloroethoxy)methane	300	N.D.	N.D.	N/A
Butyl benzyl phthalate	300	N.D.	N.D.	N/A
Carbazole	300	N.D.	N.D.	N/A
Chrysene	300	N.D.	N.D.	N/A
Di-n-butyl phthalate	300	N.D.	N.D.	N/A
Di-n-octyl phthalate	300	N.D.	N.D.	N/A
Dibenzo(a,h)anthracene	300	N.D.	N.D.	N/A
Dibenzofuran	300	1900	1800	3.0
Diethyl phthalate	300	N.D.	N.D.	N/A
Dimethyl phthalate	300	N.D.	N.D.	N/A
Fluoranthene	300	N.D.	N.D.	N/A
Fluorene	300	1500	1400	9.9
Hexachlorobenzene	300	N.D.	N.D.	N/A
Hexachlorobutadiene	300	N.D.	N.D.	N/A
Hexachlorocyclopentadiene	1500	N.D.	N.D.	N/A
Hexachloroethane	300	N.D.	N.D.	N/A
Indeno(1,2,3-cd)pyrene	300	N.D.	N.D.	N/A
Isophorone	300	N.D.	N.D.	N/A
N-Nitroso-di-n-propylamine	300	N.D.	N.D.	N/A
N-Nitrosodimethylamine	300	N.D.	N.D.	N/A
N-Nitrosodiphenylamine	300	N.D.	N.D.	N/A
Naphthalene	300	2200	1800	19
Nitrobenzene	300	N.D.	N.D.	N/A
Pentachlorophenol	1500	N.D.	N.D.	N/A
Phenanthrene	300	710	690	3.4
Phenol	300	N.D.	N.D.	N/A
Pyrene	300	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270
ABN 8270 QC - LAB FORTIFIED BLAN

Batch #: S951031BNA
Lab ID: S951031BNALFB
Matrix: Soil
Units: ug/kg dry

Prepared: 10/31/1995
Analyzed: 11/01/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	LFB % REC	QC LIMITS
1,2,4-Trichlorobenzene	3300	300	N.D.	53	38-107
2,4-Dinitrotoluene	3300	300	N.D.	71	28-89
2-Chlorophenol	6700	300	N.D.	48	25-102
4-Chloro-3-methylphenol	6700	600	N.D.	56	26-103
4-Nitrophenol	6700	1500	N.D.	77	11-114
Acenaphthene	3300	300	N.D.	53	31-137
N-Nitroso-di-n-propylamine	3300	300	N.D.	58	41-126
Pentachlorophenol	6700	1500	N.D.	72	17-109
Phenol	6700	300	N.D.	49	26-90
Pyrene	3300	300	N.D.	86	35-142

N.D. - Not Detected at specified detection limit.

LFB: Laboratory Fortified Blank

Approved By: _____ Date: 11/20/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8270
ABN 8270 QC - MATRIX SPIKE

Batch #: S951031BNA
Lab ID: 95-05626-MS
Matrix: Soil
Units: ug/kg dry

Prepared: 10/31/1995
Analyzed: 11/01/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC	QC LIMITS
1,2,4-Trichlorobenzene	23000	1100	N.D.	100	38-107
2,4-Dinitrotoluene	23000	1100	N.D.	95	28-89
2-Chlorophenol	46000	1100	N.D.	88	25-102
4-Chloro-3-methylphenol	46000	2200	N.D.	99	26-103
4-Nitrophenol	46000	5700	N.D.	120	11-114
Acenaphthene	23000	1100	N.D.	130	31-137
N-Nitroso-di-n-propylamine	23000	1100	N.D.	97	41-126
Pentachlorophenol	46000	5700	N.D.	84	17-109
Phenol	46000	1100	N.D.	92	26-90
Pyrene	23000	1100	N.D.	100	35-142

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike

Approved By: _____ Date: 11/2/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000

Batch #: S951110MET1
Lab ID: S951110METB1
Matrix: Soil
Units: mg/kg dry

Analyzed: 11/15/95

	REPORTING LIMIT	CDM METHOD BLANK S951110METB1
lead	10	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: EP

Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - BLANK

Batch #: S951110MET1
Lab ID: S951110MET1B1
Matrix: Soil
Units: mg/kg dry

Prepared: 11/10/1995
Analyzed: 11/13/1995

	REPORTING LIMIT	CDM METHOD BLANK S951110MET1B1
As	0.50	N.D.
Se	1.0	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - BLANK

Batch #: S951110MET1
Lab ID: S951110METB1
Matrix: Soil
Units: mg/kg dry

Prepared: 11/09/1995
Analyzed: 11/14/1995

	REPORTING LIMIT	CDM METHOD BLANK S951110METB1
barium	10.	N.D.
cadmium	1.0	N.D.
chromium	2.0	N.D.
silver	2.0	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000

Batch #: S951110MET1
Lab ID: 95-05629-DUP
Matrix: Soil
Units: mg/kg dry

Analyzed: 11/15/95

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
lead	10	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: EO

Date: 11/17/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - DUPLICATE

Batch #: S951110MET1
Lab ID: 95-05629-02-DUP
Matrix: Soil
Units: mg/kg dry

Prepared: 11/10/1995
Analyzed: 11/13/1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
As	0.50	0.54	0.69	25
Se	1.0	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: EP Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - MATRIX SPIKE

Batch #: S951110MET1
Lab ID: 95-05633-02-MS
Matrix: Soil
Units: mg/kg dry

Prepared: 11/10/1995
Analyzed: 11/13/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC	QC LIMITS
As	55	0.50	4.3	110	80-120
Se	28	1.0	N.D.	83	60-120

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike

Approved By: SP Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - MATRIX SPIKE

Batch #: S951110MET1
Lab ID: 95-05633-MS
Matrix: Soil
Units: mg/kg dry

Prepared: 11/09/1995
Analyzed: 11/14/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC *	QC LIMITS
barium	500	10	22	100	80-120
cadmium	25	1.0	N.D.	100	80-120
chromium	50	2.0	890	1000	80-120

* - High MS recoveries may be due to high native analyte concentrations present in sample.

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike

Approved By: EJF Date: 11/15/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - QCS

Batch #: S951110MET1
Lab ID: S951110MET1Q1
Matrix: Aqueous
Units: ug/l

Prepared: 11/10/1995
Analyzed: 11/13/1995

	QC EXPECTED CONCENTRATION	% REC S951110MET1Q1
As	500	78
Se	250	75

N.D. - Not Detected at specified detection limit.

Approved By: EP

Date: 11/16/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 6010/7000
TRACE METALS QC - QCS

Batch #: S951110MET1
Lab ID: S951110METQ1
Matrix: Aqueous
Units: ug/L

Prepared: 11/09/1995
Analyzed: 11/14/1995

	QC EXPECTED CONCENTRATION	% REC S951110METQ1
barium	5000	84
cadmium	250	85
chromium	500	80
silver	500	73

N.D. - Not Detected at specified detection limit.

Approved By: SP Date: 11/12/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PCB 8080 QC - BLANK

Batch #: S951030PP
Lab ID: S951030PPBLK1
Matrix: Soil
Units: mg/kg dry

Prepared: 10-30-1995
Analyzed: 10-31-1995

	REPORTING LIMIT	CDM METHOD BLANK S951030PPBLK1
Aroclor 1221	0.067	N.D.
Aroclor 1232	0.067	N.D.
Aroclor 1242/1016	0.067	N.D.
Aroclor 1248	0.067	N.D.
Aroclor 1254	0.067	N.D.
Aroclor 1260	0.067	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PESTICIDE 8080 QC - BLANK

Batch #: S951030PP
Lab ID: S951030PPBLK1
Matrix: Soil
Units: mg/kg dry

Prepared: 10-30-1995
Analyzed: 10-31-1995

	REPORTING LIMIT	CDM METHOD BLANK S951030PPBLK1
4,4'-DDD	0.010	N.D.
4,4'-DDE	0.010	N.D.
4,4'-DDT	0.010	N.D.
Aldrin	0.010	N.D.
Chlordane	0.050	N.D.
Dieldrin	0.010	N.D.
Endosulfan I	0.010	N.D.
Endosulfan II	0.010	N.D.
Endosulfan Sulfate	0.010	N.D.
Endrin	0.010	N.D.
Endrin Aldehyde	0.010	N.D.
Heptachlor	0.010	N.D.
Heptachlor Epoxide	0.010	N.D.
Methoxychlor	0.020	N.D.
Toxaphene	0.10	N.D.
alpha-BHC	0.010	N.D.
beta-BHC	0.010	N.D.
delta-BHC	0.010	N.D.
gamma-BHC	0.010	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: 11-6-95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080

Batch #: S951030PP
Matrix: Soil
Units: ug

Prepared: 10-30-1995

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
95-05612-02				
DECACHLOROBIPHENYL	1.0	1.3	130	60-150
95-05632-02				
DECACHLOROBIPHENYL	1.0	0.94	94	60-150
S951030PCBLFB1				
DECACHLOROBIPHENYL	1.0	1.0	100	60-150
S951030PPBLK1				
DECACHLOROBIPHENYL	1.0	1.0	110	60-150
95-05632-DUP				
DECACHLOROBIPHENYL	1.0	0.96	96	60-150
95-05612-PSTMS				
DECACHLOROBIPHENYL	1.0	0.97	97	60-150
S951030PSTLFB1				
DECACHLOROBIPHENYL	1.0	1.0	100	60-150

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PCB 8080 QC - DUPLICATE

Batch #: S951030PP
Lab ID: 95-05632-DUP
Matrix: Soil
Units: mg/kg dry

Prepared: 10-30-1995
Analyzed: 10-31-1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
Aroclor 1221	0.075	N.D.	N.D.	N/A
Aroclor 1232	0.075	N.D.	N.D.	N/A
Aroclor 1242/1016	0.075	N.D.	N.D.	N/A
Aroclor 1248	0.075	N.D.	N.D.	N/A
Aroclor 1254	0.075	N.D.	N.D.	N/A
Aroclor 1260	0.075	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PESTICIDE 8080 QC - DUPLICATE

Batch #: S951030PP
Lab ID: 95-05632-DUP
Matrix: Soil
Units: mg/kg dry

Prepared: 10-30-1995
Analyzed: 10-31-1995

	QC LIMIT	SAMPLE RESULT	DUPLICATE RESULT	% RPD
4,4'-DDD	0.0038	N.D.	N.D.	N/A
4,4'-DDE	0.0038	N.D.	N.D.	N/A
4,4'-DDT	0.0038	N.D.	N.D.	N/A
Aldrin	0.0038	N.D.	N.D.	N/A
Chlordane	0.015	N.D.	N.D.	N/A
Dieldrin	0.0038	N.D.	N.D.	N/A
Endosulfan I	0.0038	N.D.	N.D.	N/A
Endosulfan II	0.0038	N.D.	N.D.	N/A
Endosulfan Sulfate	0.0038	N.D.	N.D.	N/A
Endrin	0.0038	N.D.	N.D.	N/A
Endrin Aldehyde	0.0038	N.D.	N.D.	N/A
Heptachlor	0.0038	N.D.	N.D.	N/A
Heptachlor Epoxide	0.0038	N.D.	N.D.	N/A
Methoxychlor	0.0075	N.D.	N.D.	N/A
Toxaphene	0.15	N.D.	N.D.	N/A
alpha-BHC	0.0038	N.D.	N.D.	N/A
beta-BHC	0.0038	N.D.	N.D.	N/A
delta-BHC	0.0038	N.D.	N.D.	N/A
gamma-BHC	0.0038	N.D.	N.D.	N/A

N.D. - Not Detected at specified detection limit.
N/A - Not Applicable

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PCB 8080 QC - MATRIX SPIKE

Batch #: S951030PP
Lab ID: S951030PCBLFB1
Matrix: Soil
Units: mg/kg dry

Prepared: 10-30-1995
Analyzed: 10-31-1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	LFB % REC	QC LIMITS
Aroclor 1260	1.7	0.067	N.D.	87	60-150

N.D. - Not Detected at specified detection limit.

LFB: Laboratory Fortified Blank

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PESTICIDE 8080 QC - MATRIX SPIKE

Batch #: S951030PP
Lab ID: 95-05612-PSTMS
Matrix: Soil
Units: mg/kg dry

Prepared: 10-30-1995
Analyzed: 11-02-1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC	QC LIMITS
4,4'-DDT	0.44	0.088	N.D.	93	23-134
Aldrin	0.11	0.088	N.D.	62	34-132
Dieldrin	0.44	0.088	N.D.	85	31-134
Endrin	0.44	0.088	N.D.	120	42-138
Heptachlor	0.11	0.088	N.D.	79	35-130
gamma-BHC	0.11	0.088	N.D.	67	46-127

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike

Approved By: _____ Date: 11/2/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8080
PESTICIDE 8080 QC - MATRIX SPIKE

Batch #: S951030PP
Lab ID: S951030PSTLFB1
Matrix: Soil
Units: mg/kg dry

Prepared: 10-30-1995
Analyzed: 10-31-1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	LFB % REC	QC LIMITS
4,4'-DDT	0.033	0.010	N.D.	94	23-134
Aldrin	0.0082	0.010	N.D.	46	34-132
Dieldrin	0.033	0.010	N.D.	64	31-134
Endrin	0.033	0.010	N.D.	70	42-139
Heptachlor	0.0082	0.010	N.D.	58	35-130
gamma-BHC	0.0082	0.010	N.D.	61	46-127

N.D. - Not Detected at specified detection limit.

LFB: Laboratory Fortified Blank

Approved By: _____ Date: 11/7/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8240
VOC 8240 QC - BLANK

Batch #: S951106VOC-2
Lab ID: 951106VOCB1
Matrix: Soil
Units: ug/kg dry

Analyzed: 11/06/1995

	REPORTING LIMIT	CDM METHOD BLANK 951106VOCB1
1,1,1-Trichloroethane	3.0	N.D.
1,1,2,2-Tetrachloroethane	3.0	N.D.
1,1,2-Trichloroethane	3.0	N.D.
1,1-Dichloroethane	3.0	N.D.
1,1-Dichloroethene	3.0	N.D.
1,2-Dichlorobenzene	3.0	N.D.
1,2-Dichloroethane	3.0	N.D.
1,2-Dichloropropane	3.0	N.D.
1,3-Dichlorobenzene	3.0	N.D.
1,4-Dichlorobenzene	3.0	N.D.
2-Butanone	60.	N.D.
2-Hexanone	60.	N.D.
4-Methyl-2-Pentanone	60.	N.D.
Acetone	60.	N.D.
Benzene	3.0	N.D.
Bromodichloromethane	3.0	N.D.
Bromoform	3.0	N.D.
Bromomethane	15.	N.D.
Carbon Disulfide	15.	N.D.
Carbon Tetrachloride	3.0	N.D.
Chlorobenzene	3.0	N.D.
Chloroethane	15.	N.D.
Chloroform	3.0	N.D.
Chloromethane	15.	N.D.
Cis-1,2-Dichloroethene	3.0	N.D.
Cis-1,3-Dichloropropene	3.0	N.D.
Dibromochloromethane	3.0	N.D.
Ethylbenzene	3.0	N.D.
Methylene Chloride	15.	N.D.
Styrene	3.0	N.D.
Tetrachloroethene	3.0	N.D.
Toluene	3.0	N.D.
Total Xylenes (as o-Xylene)	3.0	N.D.
Trans-1,2-Dichloroethene	3.0	N.D.
Trans-1,3-Dichloropropene	3.0	N.D.
Trichloroethene	3.0	N.D.
Vinyl Chloride	3.0	N.D.

N.D. - Not Detected at specified detection limit.

Approved By: _____ Date: _____

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8240

Batch #: S951106VOA-1
Matrix: Soil
Units: ng

	SURROGATE ADDED	SURROGATE RESULT	% REC	QC LIMIT RECOVERY
95-05635-01				
1,2-Dichloroethane-d4	1200	1100	91	70-121
4-Bromofluorobenzene	1200	1200	92	74-121
Toluene-d8	1200	1300	100	81-117
951106VOAB1				
1,2-Dichloroethane-d4	1200	1100	91	70-121
4-Bromofluorobenzene	1200	1100	90	74-121
Toluene-d8	1200	1200	95	81-117
951106VOA-LFB				
1,2-Dichloroethane-d4	1200	1100	90	70-121
4-Bromofluorobenzene	1200	1300	100	74-121
Toluene-d8	1200	1200	92	81-117
951106VOA-LFBD				
1,2-Dichloroethane-d4	1200	1100	90	70-121
4-Bromofluorobenzene	1200	1300	100	74-121
Toluene-d8	1200	1200	93	81-117

N.D. - Not Detected at specified detection limit.

Approved By: [illegible] Date: 11/14/95

CDM ANALYTICAL SERVICES LABORATORY
QUALITY CONTROL REPORT

METHOD: EPA 8240
VOC 8240 QC - SPIKE DUPLICATE

Batch #: S951106VOA-1
Lab ID: 951106VOA-LFBD
Matrix: Soil
Units: ug/kg dry

Analyzed: 11/06/1995

	SPIKING LEVEL TOTAL	QC RESULT LIMITS	ORIGINAL RESULT VALUE	MS % REC	MSD % REC	RPD	QC LIMITS RPD	QC LIMITS RECOVERY
1,1-Dichloroethene	120	3.0	N.D.	100	100	0.77	22	59-172
Benzene	120	3.0	N.D.	100	100	1.6	21	66-142
Chlorobenzene	120	3.0	N.D.	100	110	3.4	21	60-133
Toluene	120	3.0	N.D.	89	90	0.90	21	59-139
Trichloroethene	120	3.0	N.D.	110	110	0.55	24	62-137

N.D. - Not Detected at specified detection limit.

MS: Matrix Spike
MSD: Matrix Spike Duplicate
RPD: Relative Percent Difference

Approved By: _____ Date: _____

CHAIN OF CUSTODY RECORD

Camp Dresser & McKee, Inc
Analytical Services Laboratory

8155-386-01-Lm

CDM

PROJECT NAME: BUCKLEY + MANN
DELIVERY DATE: STANDARD
CDM CONTACT: CAROLE KASLICK

PROJECT NUMBER: 1121-007-RT-DAC
TURNAROUND TIME/DUE DATE: STD (a)
TASK NO.: 951027-04

PAGE 1 OF 3
FIELD LOG BOOK REFERENCE NO.:

SAMPLE IDENTIFICATION			DATE	TIME	SAMPLE TYPE	ABN	VOA - 8240	PEST/[redacted]	METALS *	TPH	PH	FLASH POINT	CAND.	REACT.	NO. OF CONT.	REMARKS	CDM SAMPLE NO.
BM	DM	C1	10/26/95		SOIL	✓		✓	✓	✓	✓	✓	✓	✓	1	RCRA & METALS *	95-05612
BM	DM	C2	10/26/95		SOIL	✓		✓ [redacted]	✓	✓	✓	✓	✓	✓	1	"	613
BM	PUG		10/26/95		SOIL	✓			✓	✓					1	"	614
BM	ORGO		10/26/95		SOIL	✓				✓					1		615
BM	MIN		10/26/95		SOIL				✓						4	RCRA & METALS	616
BM	TP1	PD	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	617
BM	TP2	BT	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	618
BM	TP5	MWI	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	619
BM	TP6	FP	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	" + PCBs ***	620
BM	TP8	KS	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	RCRA & METALS	621
BM	TP10	RB	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	622

	01							VOA VIAL
					02			GLASS BOTTLE
								PLASTIC BOTTLE
								PRESERVATIVE
								CONTAIN. VOLUME

Sampled & Relinquished By:
SIGN: Carole Kaslick
PRINT: CAROLE KASLICK
FIRM: 10 CC
DATE: 10/27/95 TIME: 11:47

Received By:
SIGN: Rick Williams
PRINT: Rick Williams
FIRM: CDM
DATE: 10/27/95 TIME: 1145

Relinquished By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Received By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Relinquished By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Received By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

COMMENTS (SPECIAL INSTRUCTIONS, ETC.)
RUN TCLP ON SAMPLES THAT EXCEED THEORETICAL THRESHOLD - 20 X'S RULE

VOA - 01 OTHERS - 02 11/14 EP 11/15

PRESERVATION KEY:

A - SAMPLE CHILLED
B - ACIDIFIED WITH
C - SAMPLE FILTERED
D - HCL
E - H_2SO_4
F - HNO_3
G - NaOH
H - NaTHIOSULFATE

ACCELERATED TAT
SURCHARGE: %

Samples Received In Good Condition? YES ☑ NO ☐
Samples Received Chilled & Properly Preserved? YES ☑ NO ☐
Evidence Samples Were Tampered With? YES ☐ NO ☑

Received for Laboratory by: (SIGN)

CHAIN OF CUSTODY RECORD

Camp Dresser & McKee, Inc
Analytical Services Laboratory

8155-386-01-LAB

CDM

PROJECT NAME: BUCKLEY + MANN
DELIVERY DATE:
CDM CONTACT: CHARLIE KASLICK

PROJECT NUMBER: 1121.007-RF-DAC
TURNAROUND TIME/DUE DATE: STD.
TASK NO.: 951027.04

PAGE 2 OF 3
FIELD LOG BOOK REFERENCE NO.:

SAMPLE IDENTIFICATION			DATE	TIME	SAMPLE TYPE	ABN	VOA	PEST/PCB	METALS*	TPH	pH	FLASH POINT	REACT	CAND.	NO. OF CONT.	REMARKS	CDM SAMPLE NO.
BM	TP15	SD	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	RCRA & METALS*	95-05623
BM	TP16	L2-NOR1	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	624
BM	TP16	L2-NOR2	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	625
BM	TP17	L2-C1	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	626
BM	TP17	L2-C2	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	627
BM	TP18	L2-S1	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	628
BM	TP18	L2-S2	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	629
BM	TP19	L1-N1	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	630
BM	TP20	L1-C1	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	631
BM	TP21	L1-S1	10/26/95		SOIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	2	"	632
BM	TP22	P75	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	633
					VOA VIAL		0										
					GLASS BOTTLE							02					
					PLASTIC BOTTLE												
					PRESERVATIVE												
					CONTAIN. VOLUME												

Sampled & Relinquished By:
SIGN: Carlo Kaslick
PRINT: CHARLIE KASLICK
FIRM: 10 CE
DATE: 10/27/95 TIME: 11:47

Received By:
SIGN: Rick Williams
PRINT: RICK WILLIAMS
FIRM: CDM
DATE: 10/27/95 TIME: 11:45

Relinquished By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Received By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Relinquished By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Received By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

COMMENTS (SPECIAL INSTRUCTIONS, ETC.)
RUN TCLP ON SAMPLES THAT EXCEED THEORETICAL THRESHOLD
20 X'S RULE
VOA: 01 OTHERS: 02

IN 11/14 EP 11/15

PRESERVATION KEY:
A - SAMPLE CHILLED
B - ACIDIFIED WITH
C - SAMPLE FILTERED
D - HCL
E - H_2SO_4
F - HNO_3
G - NaOH
H - NaTHIOSULFATE

ACCELERATED TAT
SURCHARGE: %

Samples Received In Good Condition? YES ☑ NO ☐
Samples Received Chilled & Properly Preserved? YES ☑ NO ☐
Evidence Samples Were Tampered With? YES ☐ NO ☑

Received for Laboratory by: (SIGN)

CHAIN OF CUSTODY RECORD

Camp Dresser & McKee, Inc
Analytical Services Laboratory

8155-386-01-LAB

CDM

PROJECT NAME: BUCKLEY + MANN
DELIVERY DATE:
CDM CONTACT: CHARLE KASLICK

PROJECT NUMBER: 1121-004-01-DAA
TURNAROUND TIME/DUE DATE: STD
TASK NO.: 951027-04

PAGE 3 OF 3
FIELD LOG BOOK REFERENCE NO.:

SAMPLE IDENTIFICATION			DATE	TIME	SAMPLE TYPE	ABN	VOA 8240	PEST/PCB	METALS	TPH	pH	FLASH POINT	REACT.	COND.	NO. OF CONT.	REMARKS	CDM SAMPLE NO.
BM	TP23	WD	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	RCRA & METALS	95-05634
BM	COMP	P88	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	95-05635
							01					02					
																VOA: 01	
																GLASS: 02	

								VOA VIAL
								GLASS BOTTLE
								PLASTIC BOTTLE
								PRESER-VATIVE
								CONTAIN VOLUME

Sampled & Relinquished By:
SIGN: [signature]
PRINT: Charles Kaslick
FIRM: 10 CC
DATE: 10/27/95 TIME: 11:47

Received By:
SIGN: [signature]
PRINT: Rick Williams
FIRM: CDM
DATE: 10-27-95 TIME: 11:45

Relinquished By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Received By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Relinquished By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Received By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

COMMENTS (SPECIAL INSTRUCTIONS, ETC.)
RUN TCLP ON SAMPLES THAT EXCEED THEORETICAL THRESHOLD 20 X'S RULE
M 11/14 FP 11/15

PRESERVATION KEY:

A - SAMPLE CHILLED
B - ACIDIFIED WITH
C - SAMPLE FILTERED
D - HCL
E - H_2SO_4
F - HNO_3
G - NaOH
H - NaTHIOSULFATE

ACCELERATED TAT
SURCHARGE: %

Samples Received In Good Condition? YES ☑ NO ☐
Samples Received Chilled & Properly Preserved? YES ☑ NO ☐
Evidence Samples Were Tampered With? YES ☐ NO ☑

Received for Laboratory by: (SIGN)
(/)

CDM Camp Dresser & McKee Inc.

environmental services

Riverside Technology Center
840 Memorial Drive
Cambridge, Massachusetts 02139
Tel: 617 354-4448 Fax: 617 354-0764

CDM LABORATORY ANALYTICAL REPORT

TASK NUMBER: 951027-04 - ADDENDUM

MASSACHUSETTS CERTIFICATION I.D. MA012

PROJECT:	BUCKLEY + MANN
CLIENT:	Camp Dresser & McKee, Inc. 10 Cambridge Center Cambridge MA 02139
PROJECT MANAGER:	CAROLE KASLICK
JOB NUMBER/P.O. #:	1121-007-RT-DAC
SAMPLES COLLECTED:	25-Oct-1995
SAMPLES RECEIVED:	27-Oct-1995

The undersigned hereby attest to the fact that the information contained in this report is, to the best of their knowledge complete and accurate.

12/5/95
Laboratory Management Review DATE

12/5/95
Laboratory QA/QC Review DATE

PROJECT NARRATIVE

ADDENDUM

Client:	Camp Dresser & McKee, Inc.
Project Name:	Buckley & Mann
CDM Project No.:	951027-04

The following report contains the analytical results for samples submitted to CDM Laboratory Services on October 27, 1995. The samples were received into the laboratory in accordance with documented sample acceptance procedures. All sample identification agreed with the accompanying Chain of Custody documentation. Please refer to the Sample Description Information sheet for the list of samples included within this report.

No significant deviations or anomalies were encountered during the preparation or analysis of these samples.

Original report was issued on November 20, 1995. These pages are being reissued to correct the Client IDs for sample #95-05627.

CHAIN OF CUSTODY RECORD

Camp Dresser & McKee, Inc
Analytical Services Laboratory

8155-386-01-cm

CDM

PROJECT NAME: BUCKLEY + MANN
DELIVERY DATE: STANDARD
CDM CONTACT: CAROLE KASLICK

PROJECT NUMBER: 1121-07-RT-DAC
TURNAROUND TIME/DUE DATE: STD (a)
TASK NO.: 951027-04

PAGE 1 OF 3
FIELD LOG BOOK REFERENCE NO.

SAMPLE IDENTIFICATION			DATE	TIME	SAMPLE TYPE	ABN	VOA - 8240	PEST/	METALS*	TPH	PH	FLASH POINT	CYAN.	REACT.	NO. OF CONT.	REMARKS	CDM SAMPLE NO.
BM	DM	C1	10/26/95		SOIL	✓		✓	✓	✓	✓	✓	✓	✓	1	RCRA & METALS*	95-05612
BM	DM	C2	10/26/95		SOIL	✓		✓	✓	✓	✓	✓	✓	✓	1	"	613
BM	PUG		10/26/95		SOIL	✓			✓	✓					1	"	614
BM	DRGO		10/26/95		SOIL	✓				✓					1		615
BM	MIN		10/26/95		SOIL				✓						4	RCRA & METALS	616
BM	TP1	PD	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	617
BM	TP2	BT	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	618
BM	TP5	MWI	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	619
BM	TP6	FP	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	" + PCBs ***	620
BM	TP8	KS	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	RCRA & METALS	621
BM	TP10	RB	10/25/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	622
							01					02					

VOA VIAL / GLASS BOTTLE / PLASTIC BOTTLE / PRESERVATIVE / CONTAIN VOLUME

Sampled & Relinquished By:
SIGN: Carole Kaslick
PRINT: CAROLE KASLICK
FIRM: IOCC
DATE: 10/27/95 TIME: 11:47

Received By:
SIGN: Rick Williams
PRINT: Rick Williams
FIRM: CDM
DATE: 10/27/95 TIME: 1145

Relinquished By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Received By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Relinquished By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Received By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

COMMENTS (SPECIAL INSTRUCTIONS, ETC.)
RUN TCLP ON SAMPLES THAT EXCEED THEORETICAL THRESHOLD - 20 X'S RULE

VOA: 01 OTHERS: 02

M 11/14 EP 11/15

PRESERVATION KEY:
A - SAMPLE CHILLED
B - ACIDIFIED WITH
C - SAMPLE FILTERED
D - HCL
E - H_2SO_4
F - HNO_3
G - NaOH
H - NaTHIOSULFATE

ACCELERATED TAT
SURCHARGE: %

Samples Received In Good Condition? YES ☑ NO ☐
Samples Received Chilled & Properly Preserved? YES ☑ NO ☐
Evidence Samples Were Tampered With? YES ☐ NO ☑

Received for Laboratory by: (SIGN)

CHAIN OF CUSTODY RECORD

Camp Dresser & McKee, Inc
Analytical Services Laboratory

8155-386-01-LAA

CDM

PROJECT NAME: BUCKLEY + MANN
DELIVERY DATE:
CDM CONTACT: CARLE KASLICK

PROJECT NUMBER: 1121-001-RT-DA1
TURNAROUND TIME/DUE DATE: STD
TASK NO.: 95/1027-04

PAGE 3 OF 3
FIELD LOG BOOK REFERENCE NO.:

SAMPLE IDENTIFICATION			DATE	TIME	SAMPLE TYPE	ABN	VOA 8240	PEST/PCB	METALS	TPH	pH	FLASH POINT	REACT.	COND.	NO. OF CONT.	REMARKS	CDM SAMPLE NO.
BM	TP23	WD	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	RCRA & METALS	95-05634
BM	COMP	P88	10/26/95		SOIL	✓	✓		✓	✓	✓	✓	✓	✓	2	"	95-05635
							01										
												02					
																VOA: 01	
																GLASS: 02	

	VOA VIAL	GLASS BOTTLE	PLASTIC BOTTLE	PRESERVATIVE	CONTAIN VOLUME

Sampled & Relinquished By:
SIGN: Carle Kaslick
PRINT: Carle Kaslick
FIRM: 10 CC
DATE: 10/27/95 TIME: 11:47

Received By:
SIGN: Rick Williams
PRINT: Rick Williams
FIRM: CDM
DATE: 10-27-95 TIME: 11:45

Relinquished By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Received By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Relinquished By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

Received By:
SIGN:
PRINT:
FIRM:
DATE: TIME:

COMMENTS (SPECIAL INSTRUCTIONS, ETC.)
RUN TCLP ON SAMPLES THAT EXCEED THEORETICAL THRESHOLD 20 X'S RULE
11/14/95 FP 11/15

PRESERVATION KEY:

A - SAMPLE CHILLED
B - ACIDIFIED WITH
C - SAMPLE FILTERED
D - HCL
E - H_2SO_4
F - HNO_3
G - NaOH
H - NaTHIOSULFATE

ACCELERATED TAT
SURCHARGE: %

Samples Received In Good Condition? YES ☑ NO ☐
Samples Received Chilled & Properly Preserved? YES ☑ NO ☐
Evidence Samples Were Tampered With? YES ☐ NO ☑

Received for Laboratory by: (SIGN)
(/)

CDM Camp Dresser & McKee Inc.

environmental services

Riverside Technology Center
840 Memorial Drive
Cambridge, Massachusetts 02139
Tel: 617 354-4448 Fax: 617 354-0764

CDM LABORATORY ANALYTICAL REPORT

TASK NUMBER: 951120-00

MASSACHUSETTS CERTIFICATION I.D. MA012

PROJECT:	BUCKLEY + MANN
CLIENT:	Camp Dresser & McKee, Inc. 10 Cambridge Center Cambridge MA 02139
PROJECT MANAGER:	CAROLE KASLICK
JOB NUMBER/P.O. #:	1127-007-RT-DAC
SAMPLES COLLECTED:	20-Nov-1995
SAMPLES RECEIVED:	20-Nov-1995

The undersigned hereby attest to the fact that the information contained in this report is, to the best of their knowledge complete and accurate.

James F. [illegible] 12/7/95
Laboratory Management Review DATE

[illegible] 12/7/95
Laboratory QA/QC Review DATE

ANALYTICAL METHOD REFERENCES

Listed below are the references for analytical methods used by the Camp Dresser & McKee Laboratory.

Method Nos. 100-499	Method for Chemical Analysis of Water and Wastes EPA-600/4-79-020 Revised March 1983
Method Nos. 500-599	Methods for the Determination of Organic Compounds in Drinking Water EPA-600/4-88/039 December 1988
Method Nos. 600-699	Methods for Organic Chemical Analysis of Municipal & Industrial Wastewater EPA-600/4-82-057 July 1982
Method Nos. 1000-9999	Test Methods for Evaluating Solid Waste EPA SW-846 Third Edition November 1986
Methods with SM prefix	Standard Methods for the Examination of Water & Wastewater APHA/AWWA/WPCF 16th Edition 1985
ASTM	Annual Book of ASTM Standards

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project: Buckley & Mann
Task: 951120-00

Client ID: BM DM C1
CDM ID: 95-05967
Batch: W951127ICP

Matrix: TCLP Extract
Units: mg/l

Prepared: 11/27/1995
Analyzed: 12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Chromium	0.50	5.0	ND

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: EJP

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project:	Buckley & Mann	Client ID:	BM TP2 BT
Task:	951120-00	CDM ID:	95-05969
		Batch:	W951127ICP
Matrix:	TCLP Extract	Prepared:	11/27/1995
Units:	mg/l	Analyzed:	12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Chromium	0.50	5.0	ND
Lead	1.0	5.0	ND

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: EJP

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project:	Buckley & Mann	Client ID:	BM TP5 MW1
Task:	951120-00	CDM ID:	95-05970
		Batch:	W951127ICP
Matrix:	TCLP Extract	Prepared:	11/27/1995
Units:	mg/l	Analyzed:	12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Cadmium	0.20	1.0	0.23
Chromium	0.50	5.0	ND
Lead	1.0	5.0	1.4

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: EJP

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project:	Buckley & Mann	Client ID:	BM TP6 FP
Task:	951120-00	CDM ID:	95-05971
		Batch:	W951127ICP
Matrix:	TCLP Extract	Prepared:	11/27/1995
Units:	mg/l	Analyzed:	12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Lead	1.0	5.0	ND

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: EP

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project:	Buckley & Mann	Client ID:	BM TP8 KS
Task:	951120-00	CDM ID:	95-05972
		Batch:	W951127ICP
Matrix:	TCLP Extract	Prepared:	11/27/1995
Units:	mg/l	Analyzed:	12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Chromium	0.50	5.0	ND
Lead	1.0	5.0	1.4

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: EP

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project: Buckley & Mann
Task: 951120-00

Client ID: BM TP10 RB
CDM ID: 95-05973
Batch: W951127ICP

Matrix: TCLP Extract
Units: mg/l

Prepared: 11/27/1995
Analyzed: 12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Cadmium	0.20	1.0	ND
Chromium	0.50	5.0	ND
Lead	1.0	5.0	1.2

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: EJP

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project:	Buckley & Mann	Client ID:	BM TP15 SD
Task:	951120-00	CDM ID:	95-05974
		Batch:	W951127ICP
Matrix:	TCLP Extract	Prepared:	11/27/1995
Units:	mg/l	Analyzed:	12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Lead	1.0	5.0	ND

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: EP

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project: Buckley & Mann
Task: 951120-00

Client ID: BM TP17 L2-C1
CDM ID: 95-05975
Batch: W951127ICP

Matrix: TCLP Extract
Units: mg/l

Prepared: 11/27/1995
Analyzed: 12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Chromium	0.50	5.0	ND

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: EP

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project:	Buckley & Mann	Client ID:	BM TP19 L1-N1
Task:	951120-00	CDM ID:	95-05976
		Batch:	W951127ICP
Matrix:	TCLP Extract	Prepared:	11/27/1995
Units:	mg/l	Analyzed:	12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Chromium	0.50	5.0	ND

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: ED

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project: Buckley & Mann
Task: 951120-00

Client ID: BM TP22 P75
CDM ID: 95-05977
Batch: W951127ICP

Matrix: TCLP Extract
Units: mg/l

Prepared: 11/27/1995
Analyzed: 12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Chromium	0.50	5.0	ND

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: EJP

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project: Buckley & Mann
Task: 951120-00

Client ID: BM TP23 WD
CDM ID: 95-05978
Batch: W951127ICP

Matrix: TCLP Extract
Units: mg/l

Prepared: 11/27/1995
Analyzed: 12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Chromium	0.50	5.0	ND

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: EJF

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project:	Buckley & Mann	Client ID:	BM COMP P88
Task:	951120-00	CDM ID:	95-05979
		Batch:	W951127ICP
Matrix:	TCLP Extract	Prepared:	11/27/1995
Units:	mg/l	Analyzed:	12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Chromium	0.50	5.0	ND

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: SRP

Date: 12-06-95

CDM ANALYTICAL LABORATORY

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)
EPA SW846 Method 1311

Project: Buckley & Mann
Task: 951120-00

Client ID: METHOD BLANK
CDM ID: TCLP BLK 11/21
Batch: W951127ICP

Matrix: TCLP Extract
Units: mg/l

Prepared: 11/27/1995
Analyzed: 12/06/1995

ANALYTE	REPORTING LIMIT	MCC	ANALYTICAL RESULT
Arsenic	2.0	5.0	ND
Barium	1.0	100	ND
Cadmium	0.20	1.0	ND
Chromium	0.50	5.0	ND
Lead	1.0	5.0	ND
Mercury	0.002	0.20	ND
Selenium	0.50	1.0	ND
Silver	0.50	5.0	ND

MCC = Maximum concentration of contaminants.

ND = Not detected at specified reporting limit.

Approved by: EJP

Date: 12-06-95

CHAIN OF CUSTODY RECORD

Camp Dresser & McKee, Inc
Analytical Services Laboratory

8155-386-01-LAB

CDM

PROJECT NAME: Buckley & Mann
DELIVERY DATE: 11-20-95
CDM CONTACT: P. Maynard

PROJECT NUMBER: 1127-007-RT-DAC
TURNAROUND TIME/DUE DATE: 2 weeks
TASK NO.: 951120-01

PAGE ____ OF ____
FIELD LOG BOOK REFERENCE NO. ____

SAMPLE IDENTIFICATION			DATE	TIME	SAMPLE TYPE	ABN	VOA	PEST/PCB	METALS	TPH	TCLP CR	TCLP PB	TCLP CD		NO. OF CONT.	REMARKS	CDM SAMPLE NO.
BM	DM	C1			Soil						✓						95-05967
BM	DM	C2									✓						968
BM	TP2	BT									✓	✓					969
BM	TP5	MW1									✓	✓	✓				970
BM	TP6	FP										✓					971
BM	TP8	KS									✓	✓					972
BM	TP10	RB									✓	✓	✓				973
BM	TP15	SD										✓					974
BM	TP17	L2-C1									✓						975
BM	TP19	L1-N1									✓						976
BM	TP22	P-75									✓						977

								VOA VIAL
								GLASS BOTTLE
								PLASTIC BOTTLE
								PRESERVATIVE
								CONTAIN VOLUME

Sampled & Relinquished By:
SIGN: ____
PRINT: ReLog
FIRM: ____
DATE: ____ TIME: ____

Received By:
SIGN: ____
PRINT: ReLog
FIRM: ____
DATE: ____ TIME: ____

Relinquished By:
SIGN: ____
PRINT: ____
FIRM: ____
DATE: ____ TIME: ____

Received By:
SIGN: ____
PRINT: ____
FIRM: ____
DATE: ____ TIME: ____

Relinquished By:
SIGN: ____
PRINT: ____
FIRM: ____
DATE: ____ TIME: ____

Received By:
SIGN: ____
PRINT: ____
FIRM: ____
DATE: ____ TIME: ____

COMMENTS (SPECIAL INSTRUCTIONS, ETC.)

ReLog of Task 951027-04
EL 12/06

PRESERVATION KEY:

A - SAMPLE CHILLED
B - ACIDIFIED WITH
C - SAMPLE FILTERED
D - HCL
E - H_2SO_4
F - HNO_3
G - NaOH
H - NaTHIOSULFATE

ACCELERATED TAT ____
SURCHARGE: ____ %

Samples Received In Good Condition? YES ☐ NO ☐
Samples Received Chilled & Properly Preserved? YES ☐ NO ☐
Evidence Samples Were Tampered With? YES ☐ NO ☐

Received for Laboratory by: (SIGN)

____ (____ / ____)

CHAIN OF CUSTODY RECORD

Camp Dresser & McKee, Inc
Analytical Services Laboratory 8155-386-01-LAB

CDM

PROJECT NAME: Buckley + Mann
DELIVERY DATE: 11-20-95
CDM CONTACT: P. Maynard

PROJECT NUMBER: 1127-007-RT-DAC
TURNAROUND TIME/DUE DATE: 2 weeks
TASK NO.: 951120-01

PAGE ____ OF ____
FIELD LOG BOOK REFERENCE NO. ____

SAMPLE IDENTIFICATION			DATE	TIME	SAMPLE TYPE	ABN	VOA	PEST/PCB	METALS	TPH	TCLP Cr	TCLP Pb	TCLP Cd		NO. OF CONT.	REMARKS	CDM SAMPLE NO.
BM	TP23	WD			Soil						✓						95-05978
BM	Comp	P88			Soil						✓						95-05979

								VOA VIAL
								GLASS BOTTLE
								PLASTIC BOTTLE
								PRESER-VATIVE
								CONTAIN VOLUME

Sampled & Relinquished By:
SIGN: ____
PRINT: Reno
FIRM: ____
DATE: ____ TIME: ____

Received By:
SIGN: ____
PRINT: Reno
FIRM: ____
DATE: ____ TIME: ____

Relinquished By:
SIGN: ____
PRINT: ____
FIRM: ____
DATE: ____ TIME: ____

Received By:
SIGN: ____
PRINT: ____
FIRM: ____
DATE: ____ TIME: ____

Relinquished By:
SIGN: ____
PRINT: ____
FIRM: ____
DATE: ____ TIME: ____

Received By:
SIGN: ____
PRINT: ____
FIRM: ____
DATE: ____ TIME: ____

COMMENTS (SPECIAL INSTRUCTIONS, ETC.)

Reno of 951027-04
12/06

PRESERVATION KEY:

A - SAMPLE CHILLED
B - ACIDIFIED WITH
C - SAMPLE FILTERED
D - HCL
E - H_2SO_4
F - HNO_3
G - NaOH
H - NaTHIOSULFATE

ACCELERATED TAT ____
SURCHARGE: ____ %

Samples Received In Good Condition? YES ☐ NO ☐
Samples Received Chilled & Properly Preserved? YES ☐ NO ☐
Evidence Samples Were Tampered With? YES ☐ NO ☐

Received for Laboratory by: (SIGN)
____ (____ / ____)