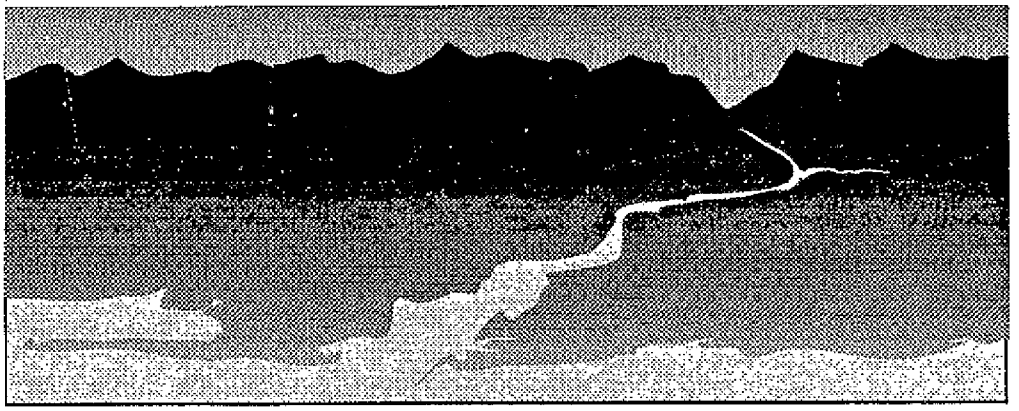
LOWER COLUMBIA RIVER



BI-STATE PROGRAM

RECONNAISSANCE SURVEY OF THE LOWER COLUMBIA RIVER

LABORATORY DATA REPORT
VOLUME 1: SEDIMENT ORGANIC DATA

JANUARY, 1992

Prepared By:

TETRA TECH

In Association With:

ALDEN ANALYTICAL LABORATORIES
KEYSTONE/NEA
PRECISION ANALYTICS

RECONNAISSANCE SURVEY OF THE LOWER COLUMBIA RIVER

LABORATORY DATA REPORT
VOLUME 1: SEDIMENT ORGANIC DATA

JANUARY, 1992

Submitted To:

LOWER COLUMBIA RIVER BI-STATE PROGRAM

Prepared By:

TETRA TECH INC.
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In Association With:

ALDEN ANALYTICAL LABORATORIES
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PRECISION ANALYTICS

VOLUME I

ORGANIC CHEMICAL DATA - SEDIMENT

SECTION A	PESTICIDES AND PCBS
SECTION B	SEMI-VOLATILE ORGANICS
SECTION C	DIOXINS AND FURANS

SECTION A

PESTICIDES AND PCBS (SEDIMENT)

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: N/A
Date of Sample Receipt: N/A
Date of Sample Extraction: 10/5/91
Date of Sample Analysis: 10/22/91

Alden Job Number: 9109034/1
Alden Sample Number: Blank
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	3.0	< 3.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	124	25 - 150

* Reporting limits adjusted due to coeluting interfering peak.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: E12	Alden Sample Number: 8567B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: E12	Alden Sample Number: 8567B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	126	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D36	Alden Sample Number: 8568B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D36	Alden Sample Number: 8568B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	5.0	< 5.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	3.0	< 3.0*
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	118	25 - 150

* Reporting limits adjusted due to coeluting interfering peak.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: E13	Alden Sample Number: 8569B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: E13	Alden Sample Number: 8569B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	116	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D39
Date of Sample Receipt: 9/30/91
Date of Sample Extraction: 10/5/91
Date of Sample Analysis: 10/22/91

Alden Job Number: 9109034/1
Alden Sample Number: 8571B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D39	Alden Sample Number: 8571B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	142	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: Matrix Spike	Alden Sample Number: 8571D MS
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	23	91	56 - 123
Heptachlor	23	91	40 - 131
Aldrin	23	96	40 - 120
Dieldrin	94	70	52 - 126
Endrin	94	117	56 - 121
4,4'-DDT	94	96	38 - 127
Aroclor-1254	47	89	

Surrogate	% Recovery	Advisory QC Limits
DBC	100	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: Spike Duplicate	Alden Sample Number: 8571D MSD
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	23	96	56 - 123
Heptachlor	23	96	40 - 131
Aldrin	23	104	40 - 120
Dieldrin	94	69	52 - 126
Endrin	94	117	56 - 121
4,4'-DDT	94	104	38 - 127
Aroclor-1254	47	74	

Surrogate	% Recovery	Advisory QC Limits
DBC	150	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D40	Alden Sample Number: 8572B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	2.5 ✓
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D40	Alden Sample Number: 8572B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	3.0	< 3.0*
o,p DDT	2.0	< 2.0
Parathion	2.0	4.4 ✓

Surrogate	% Recovery	Advisory QC Limits
DBC	128	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E14
Date of Sample Receipt: 9/30/91
Date of Sample Extraction: 10/5/91
Date of Sample Analysis: 10/22/91

Alden Job Number: 9109034/1
Alden Sample Number: 8575B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: E14	Alden Sample Number: 8575B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	134	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D37	Alden Sample Number: 8576B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D37	Alden Sample Number: 8576B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	138	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D38	Alden Sample Number: 8577B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D38	Alden Sample Number: 8577B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	128	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D41
Date of Sample Receipt: 9/30/91
Date of Sample Extraction: 10/5/91
Date of Sample Analysis: 10/22/91

Alden Job Number: 9109034/1
Alden Sample Number: 8578B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	4.0 ✓
beta-BHC	319-85-7	7.0	< 7.0*
delta-BHC	319-86-8	7.0	< 7.0*
gamma-BHC	58-89-9	7.0	< 7.0*
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	5.6 ✓
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	4.0	< 4.0*
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	6.1 ✓
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D41	Alden Sample Number: 8578B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	7.0	< 7.0*
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	106	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D35	Alden Sample Number: 8579B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	6.0	< 6.0*
delta-BHC	319-86-8	5.0	< 5.0*
gamma-BHC	58-89-9	3.0	< 3.0*
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	6.0	< 6.0*
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	3.0	< 3.0*
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D35	Alden Sample Number: 8579B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/22/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	5.2
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	106	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	92	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D34
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/5/91
Date of Sample Analysis: 10/29/91

Alden Job Number: 9110001/1
Alden Sample Number: 8610B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D34	Alden Sample Number: 8610B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	118	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D33
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/5/91
Date of Sample Analysis: 10/30/91

Alden Job Number: 9110001/1
Alden Sample Number: 8611B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D33	Alden Sample Number: 8611B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	76	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D31
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/5/91
Date of Sample Analysis: 10/30/91

Alden Job Number: 9110001/1
Alden Sample Number: 8612B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D31	Alden Sample Number: 8612B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	4.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	88	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D30	Alden Sample Number: 8613B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	3.0	< 3.0*
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D30	Alden Sample Number: 8613B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	6.3
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	124	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D29	Alden Sample Number: 8614B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D29	Alden Sample Number: 8614B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	76	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: E11	Alden Sample Number: 8616B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/31/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	3.0	< 3.0*
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	3.0	< 3.0*
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: E11	Alden Sample Number: 8616B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/31/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	3.0	< 3.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	118	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
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REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D32	Alden Sample Number: 8618B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D32	Alden Sample Number: 8618B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	8.3
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	90	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E9
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/5/91
Date of Sample Analysis: 10/30/91

Alden Job Number: 9110001/1
Alden Sample Number: 8620B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	3.1
alpha-BHC	319-84-6	2.0	3.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	7.0	< 7.0*
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	3.0	< 3.0*
4,4'-DDT	50-29-3	2.0 (400.)	100
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	2.1
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: E9	Alden Sample Number: 8620B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	6.8
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	112	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D24	Alden Sample Number: 8621B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	2.9
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	4.0	< 4.0*
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	3.2
4,4'-DDT	50-29-3	9.0	< 9.0*
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	5.0	< 5.0*
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D24	Alden Sample Number: 8621B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	3.4 ✓
Mirex	2.0	< 2.0
o,p DDE	2.0	3.2 ✓
o,p DDD	3.0	< 3.0* —
o,p DDT	2.0	9.4 ✓
Parathion	3.0	< 3.0* —

Surrogate	% Recovery	Advisory QC Limits
DBC	114	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D27
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/5/91
Date of Sample Analysis: 10/30/91

Alden Job Number: 9110001/1
Alden Sample Number: 8622B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D27	Alden Sample Number: 8622B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	86	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D26	Alden Sample Number: 8623B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D26	Alden Sample Number: 8623B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	98	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D25	Alden Sample Number: 8624B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D25	Alden Sample Number: 8624B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	116	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D28	Alden Sample Number: 8627B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	6.0	< 6.0*
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D28	Alden Sample Number: 8627B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	9.0	< 9.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	2.7
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	86	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D42	Alden Sample Number: 8628B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	4.0	< 4.0*
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D42	Alden Sample Number: 8628B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/30/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	86	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: E10	Alden Sample Number: 8629B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/23/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	2.0	< 2.0
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: E10	Alden Sample Number: 8629B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/23/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Decathal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	78	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: Matrix Spike	Alden Sample Number: 8629B MS
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/23/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	23	78	56 - 123
Heptachlor	23	78	40 - 131
Aldrin	23	87	40 - 120
Dieldrin	91	95	52 - 126
Endrin	91	87	56 - 121
4,4'-DDT	91	66	38 - 127
Aroclor-1254	91	82	

Surrogate	% Recovery	Advisory QC Limits
DBC	76	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: Spike Duplicate	Alden Sample Number: 8629B MSD
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/5/91	Matrix: Sediment
Date of Sample Analysis: 10/23/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	23	78	56 - 123
Heptachlor	23	74	40 - 131
Aldrin	23	83	40 - 120
Dieldrin	91	68	52 - 126
Endrin	91	119	56 - 121
4,4'-DDT	91	91	38 - 127
Aroclor-1254	91	77	

Surrogate	% Recovery	Advisory QC Limits
DBC	72	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/4/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/4/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	86	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: E8	Alden Sample Number: 8672B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/6/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	3.3 J V
Dieldrin	60-57-1	2.0	3.3 J V
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	4.5 J V
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: E8	Alden Sample Number: 8672B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/6/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result	
Dacthal	2.0	9.0	✓
Dicofal	20	< 20	
Malathion	2.0	2.3	✓
Methyl Parathion	2.0	4.9	✓
Mirex	2.0	4.8	✓
o,p DDE	2.0	3.6	✓
o,p DDD	2.0	6.6	✓
o,p DDT	2.0	5.6	✓
Parathion	2.0	5.1	✓

Surrogate	% Recovery	Advisory QC Limits
DBC	72	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: Matrix Spike	Alden Sample Number: 8672B MS
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	20	106	56 - 120
Heptachlor	20	110	40 - 131
Aldrin	20	90	40 - 120
Dieldrin	81	75	52 - 126
Endrin	81	118	56 - 121
4,4'-DDT	81	95	38 - 127
Aroclor-1254	41	146	

Surrogate	% Recovery	Advisory QC Limits
DBC	78	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: Spike Duplicate	Alden Sample Number: 8672B MSD
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	20	100	56 - 120
Heptachlor	20	105	40 - 131
Aldrin	20	95	40 - 120
Dieldrin	81	74	52 - 126
Endrin	81	114	56 - 121
4,4'-DDT	81	91	38 - 127
Aroclor-1254	41	146	

Surrogate	% Recovery	Advisory QC Limits
DBC	78	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D22	Alden Sample Number: 8673B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	2.6
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	2.5
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS0

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D22	Alden Sample Number: 8673B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	14
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	100	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D21	Alden Sample Number: 8674B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS0

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D2I	Alden Sample Number: 8674B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	6.0	< 6.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	82	25 - 150

* Reporting limits are adjusted due to coeluting interfering peak.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D20	Alden Sample Number: 8675B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	4.0	< 4.0*
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS0

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D20	Alden Sample Number: 8675B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	114	25 - 150

* Reporting limits are adjusted due to coeluting interfering peak.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D23	Alden Sample Number: 8676B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	2.2
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS0

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D23	Alden Sample Number: 8676B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	6.1 ✓
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	80	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D43	Alden Sample Number: 8677B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS0

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D43	Alden Sample Number: 8677B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	10 ✓
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	64	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D19	Alden Sample Number: 8680B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	4.0	< 4.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	85
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS0

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D19	Alden Sample Number: 8680B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	78	25 - 150

* Reporting limit elevated due to coeluting peak present in Aroclor 1254.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D18	Alden Sample Number: 8681B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS0

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D18	Alden Sample Number: 8681B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	5.9
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	108	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: E7	Alden Sample Number: 8682B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: E7	Alden Sample Number: 8682B
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/15/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	92	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: N/A
Date of Sample Receipt: N/A
Date of Sample Extraction: 10/18/91
Date of Sample Analysis: 11/5/91

Alden Job Number: 9110013/1
Alden Sample Number: Blank
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	92	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D14	Alden Sample Number: 8719B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D14	Alden Sample Number: 8719B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	6.0	< 6.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	90	25 - 150

* Reporting limits are adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D15
Date of Sample Receipt: 10/8/91
Date of Sample Extraction: 10/18/91
Date of Sample Analysis: 11/5/91

Alden Job Number: 9110013/1
Alden Sample Number: 8720B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D15	Alden Sample Number: 8720B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	3.0	< 3.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	120	25 - 150

* Reporting limits are adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D16
Date of Sample Receipt: 10/8/91
Date of Sample Extraction: 10/18/91
Date of Sample Analysis: 11/5/91

Alden Job Number: 9110013/1
Alden Sample Number: 8721B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	4.2
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	2.1
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D16	Alden Sample Number: 8721B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	20	< 20*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	126	25 - 150

* Reporting limits are adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D17
Date of Sample Receipt: 10/8/91
Date of Sample Extraction: 10/18/91
Date of Sample Analysis: 11/5/91

Alden Job Number: 9110013/1
Alden Sample Number: 8722B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	5.5
gamma-BHC	58-89-9	3.0	< 3.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D17	Alden Sample Number: 8722B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	20	< 20*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	112	25 - 150

* Reporting limits are adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D13	Alden Sample Number: 8723B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D13	Alden Sample Number: 8723B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	9.0	< 9.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	78	25 - 150

* Reporting limits are adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D44	Alden Sample Number: 8724B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D44	Alden Sample Number: 8724B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	7.0	< 7.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	116	25 - 150

* Reporting limits are adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: E5	Alden Sample Number: 8725B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: E5	Alden Sample Number: 8725B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	83	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: Matrix Spike	Alden Sample Number: 8725B MS
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	20	120	56 - 123
Heptachlor	20	125	40 - 131
Aldrin	20	115	40 - 120
Dieldrin	79	58	52 - 126
Endrin	79	99	56 - 121
4,4'-DDT	79	80	38 - 127
Aroclor-1254	40	88	

Surrogate	% Recovery	Advisory QC Limits
DBC	85	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: Spike Duplicate	Alden Sample Number: 8725B MSD
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	20	105	56 - 123
Heptachlor	20	110	40 - 131
Aldrin	20	95	40 - 120
Dieldrin	79	49	52 - 126
Endrin	79	84	56 - 121
4,4'-DDT	79	70	38 - 127
Aroclor-1254	40	88	

Surrogate	% Recovery	Advisory QC Limits
DBC	74	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E6
Date of Sample Receipt: 10/8/91
Date of Sample Extraction: 10/18/91
Date of Sample Analysis: 11/5/91

Alden Job Number: 9110013/1
Alden Sample Number: 8726B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: E6	Alden Sample Number: 8726B
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/18/91	Matrix: Sediment
Date of Sample Analysis: 11/5/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	2.3
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	92	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/7/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/7/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	58	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D1
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/21/91
Date of Sample Analysis: 11/12/91

Alden Job Number: 9110020/1
Alden Sample Number: 8766B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	20	< 20
alpha-BHC	319-84-6	20	< 20
beta-BHC	319-85-7	20	< 20
delta-BHC	319-86-8	20	< 20
gamma-BHC	58-89-9	20	< 20
Chlordane	57-74-9	20	< 20
4,4'-DDD	72-54-8	20	< 20
4,4'-DDE	72-55-9	20	< 20
4,4'-DDT	50-29-3	20	< 20
Dieldrin	60-57-1	20	< 20
Endosulfan I	959-98-8	20	< 20
Endosulfan II	33212-65-9	20	< 20
Endosulfan sulfate	1031-07-8	20	< 20
Endrin	72-20-8	20	< 20
Endrin aldehyde	7421-93-4	20	< 20
Heptachlor	76-44-8	20	< 20
Heptachlor epoxide	1024-57-3	20	< 20
Methoxychlor	72-43-5	200	< 200
Toxaphene	8001-35-2	1000	< 1000
Aroclor-1016	12674-11-2	250	< 250
Aroclor-1221	1104-28-2	250	< 250
Aroclor-1232	11141-16-5	250	< 250
Aroclor-1242	53469-21-9	250	< 250
Aroclor-1248	12672-29-6	250	< 250
Aroclor-1254	11097-69-1	250	< 250
Aroclor-1260	11096-82-5	250	< 250

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D1	Alden Sample Number: 8766B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/12/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	20	< 20
Dicofal	200	< 200
Malathion	20	< 20
Methyl Parathion	20	68
Mirex	20	< 20
o,p DDE	20	< 20
o,p DDD	20	< 20
o,p DDT	20	< 20
Parathion	20	< 20

Surrogate	% Recovery	Advisory QC Limits
DBC	100	25 - 150

Sample was florisil and sulfur cleaned. Persistent matrix interference required dilution.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D2	Alden Sample Number:, 8767B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/12/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	6.0	< 6.0*
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	3.0	< 3.0*
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	3.0	< 3.0*
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D2	Alden Sample Number: 8767B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/12/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	88	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D4
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/21/91
Date of Sample Analysis: 11/12/91

Alden Job Number: 9110020/1
Alden Sample Number: 8768B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	4.0	< 4.0*
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D4	Alden Sample Number: 8768B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/12/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	94	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D10	Alden Sample Number: 8769B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/7/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D10	Alden Sample Number: 8769B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/7/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	3.0	< 3.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	72	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D11
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/21/91
Date of Sample Analysis: 11/7/91

Alden Job Number: 9110020/1
Alden Sample Number: 8770B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	24	< 24*
delta-BHC	319-86-8	3.0	< 3.0*
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D11	Alden Sample Number: 8770B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/7/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	7.0	< 7.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	80	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D12
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/21/91
Date of Sample Analysis: 11/7/91

Alden Job Number: 9110020/1
Alden Sample Number: 8771B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	7.9 √
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	3.0	< 3.0*
Heptachlor	76-44-8	3.0	< 3.0*
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D12	Alden Sample Number: 8771B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/7/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	10 ✓
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	72	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D45
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/21/91
Date of Sample Analysis: 11/7/91

Alden Job Number: 9110020/1
Alden Sample Number: 8772B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	11	< 11*
delta-BHC	319-86-8	3.0	< 3.0*
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D45	Alden Sample Number: 8772B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/7/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	9.0	< 9.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	76	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D46
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/21/91
Date of Sample Analysis: 11/7/91

Alden Job Number: 9110020/1
Alden Sample Number: 8775B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	10	< 10*
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D46	Alden Sample Number: 8775B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/7/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	5.0	< 5.0*
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	80	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E1
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/21/91
Date of Sample Analysis: 11/7/91

Alden Job Number: 9110020/1
Alden Sample Number: 8776B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	3.0	< 3.0*
beta-BHC	319-85-7	5.0	< 5.0*
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: E1	Alden Sample Number: 8776B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/7/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	74	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: Matrix Spike
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/21/91
Date of Sample Analysis: 11/7/91

Alden Job Number: 9110020/1
Alden Sample Number: 8776B MS
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	22	82	56 - 122
Heptachlor	22	59	40 - 131
Aldrin	22	68	40 - 120
Dieldrin	87	52	52 - 126
Endrin	87	109	56 - 121
4,4'-DDT	87	36	38 - 127
Aroclor-1254	43	109	

Compound Name	Spike Added	Percent Recovery
Dacthal	220	64
Dicofal	220	36
Malathion	220	109
Methyl Parathion	220	109
Mirex	220	45
o,p DDE	220	77
o,p DDD	220	109
o,p DDT	220	64
Parathion	220	159

Surrogate	% Recovery	Advisory QC Limits
DBC	70	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: Spike Duplicate	Alden Sample Number: 8776B MSD
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/7/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	22	95	56 - 122
Heptachlor	22	68	40 - 131
Aldrin	22	77	40 - 120
Dieldrin	87	71	52 - 126
Endrin	87	115	56 - 121
4,4'-DDT	87	61	38 - 127
Aroclor-1254	43	114	

Compound Name	Spike Added	Percent Recovery
Dacthal	220	64
Dicofal	220	37
Malathion	220	109
Methyl Parathion	220	114
Mirex	220	50
o,p DDE	220	77
o,p DDD	220	114
o,p DDT	220	73
Parathion	220	164

Surrogate	% Recovery	Advisory QC Limits
DBC	76	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E2
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/21/91
Date of Sample Analysis: 11/7/91

Alden Job Number: 9110020/1
Alden Sample Number: 8777B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: E2	Alden Sample Number: 8777B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/7/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	50	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D3
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/21/91
Date of Sample Analysis: 11/8/91

Alden Job Number: 9110020/1
Alden Sample Number: 8778B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	12	< 12*
delta-BHC	319-86-8	3.0	< 3.0*
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: B3	Alden Sample Number: 8778B
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/21/91	Matrix: Sediment
Date of Sample Analysis: 11/8/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	6.0	< 6.0 *
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	90	25 - 150

* Reporting limits adjusted due to coeluting interfering peaks.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: N/A
Date of Sample Receipt: N/A
Date of Sample Extraction: 10/24/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110024/1
Alden Sample Number: Blank
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	94	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D5
Date of Sample Receipt: 10/15/91
Date of Sample Extraction: 10/24/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110024/1
Alden Sample Number: 8792B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D5	Alden Sample Number: 8792B
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	3.1
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	98	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D6
Date of Sample Receipt: 10/15/91
Date of Sample Extraction: 10/24/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110024/1
Alden Sample Number: 8793B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D6	Alden Sample Number: 8793B
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	4.1
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	72	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D-7	Alden Sample Number: 8794B
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D-7	Alden Sample Number: 8794B
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	30	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D8	Alden Sample Number: 8795B
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D8	Alden Sample Number: 8795B
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	3.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	80	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D9	Alden Sample Number: 8796B
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	3.0	< 3.0*
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D9	Alden Sample Number: 8796B
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

* Reporting limit adjusted due to coeluting interfering peaks.

Surrogate	% Recovery	Advisory QC Limits
DBC	130	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E3
Date of Sample Receipt: 10/15/91
Date of Sample Extraction: 10/24/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110024/1
Alden Sample Number: 8797B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: E3	Alden Sample Number: 8797B
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	88	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E4
Date of Sample Receipt: 10/15/91
Date of Sample Extraction: 10/24/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110024/1
Alden Sample Number: 8798B
Analysis Method: EPA 8080
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
Aldrin	309-00-2	2.0	< 2.0
alpha-BHC	319-84-6	2.0	< 2.0
beta-BHC	319-85-7	2.0	< 2.0
delta-BHC	319-86-8	2.0	< 2.0
gamma-BHC	58-89-9	2.0	< 2.0
Chlordane	57-74-9	2.0	< 2.0
4,4'-DDD	72-54-8	2.0	< 2.0
4,4'-DDE	72-55-9	2.0	< 2.0
4,4'-DDT	50-29-3	2.0	< 2.0
Dieldrin	60-57-1	2.0	< 2.0
Endosulfan I	959-98-8	2.0	< 2.0
Endosulfan II	33212-65-9	2.0	< 2.0
Endosulfan sulfate	1031-07-8	2.0	< 2.0
Endrin	72-20-8	2.0	< 2.0
Endrin aldehyde	7421-93-4	2.0	< 2.0
Heptachlor	76-44-8	2.0	< 2.0
Heptachlor epoxide	1024-57-3	2.0	< 2.0
Methoxychlor	72-43-5	20	< 20
Toxaphene	8001-35-2	100	< 100
Aroclor-1016	12674-11-2	25	< 25
Aroclor-1221	1104-28-2	25	< 25
Aroclor-1232	11141-16-5	25	< 25
Aroclor-1242	53469-21-9	25	< 25
Aroclor-1248	12672-29-6	25	< 25
Aroclor-1254	11097-69-1	25	< 25
Aroclor-1260	11096-82-5	25	< 25

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: E4	Alden Sample Number: 8798B
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compund Name	Reporting Limit	Result
Dacthal	2.0	< 2.0
Dicofal	20	< 20
Malathion	2.0	< 2.0
Methyl Parathion	2.0	< 2.0
Mirex	2.0	< 2.0
o,p DDE	2.0	< 2.0
o,p DDD	2.0	< 2.0
o,p DDT	2.0	< 2.0
Parathion	2.0	< 2.0

Surrogate	% Recovery	Advisory QC Limits
DBC	86	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: Matrix Spike	Alden Sample Number: 8798B MS
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	22	82	56 - 123
Heptachlor	22	86	40 - 131
Aldrin	22	73	40 - 120
Dieldrin	88	75	52 - 126
Endrin	88	84	56 - 121
4,4'-DDT	88	81	38 - 127
Aroclor-1254	44	91	

Surrogate	% Recovery	Advisory QC Limits
DBC	70	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: Spike Duplicate	Alden Sample Number: 8798B MSD
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
gamma-BHC	22	100	56 - 123
Heptachlor	22	105	40 - 131
Aldrin	22	91	40 - 120
Dieldrin	88	80	52 - 126
Endrin	88	103	56 - 121
4,4'-DDT	88	108	38 - 127
Aroclor-1254	44	111	

Surrogate	% Recovery	Advisory QC Limits
DBC	82	25 - 150

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: Matrix Spike	Alden Sample Number: 8798 MTS
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8080
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery
Dacthal	44	52
Dicofal	44	132
Malathion	44	73
Methyl Parathion	44	38
Mirex	44	89
o,p DDE	44	86
o,p DDD	44	84
o,p DDT	44	80
Parathion	44	64

Surrogate	% Recovery	Advisory QC Limits
DBC	68	25 - 150

SECTION B

SEMI-VOLATILE ORGANICS (SEDIMENT)

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	40	< 40
Acenaphthylene	208-96-8	40	< 40
Aniline	62-53-3	40	< 40
Anthracene	120-12-7	40	< 40
Azobenzene	103-33-3	40	< 40
Benzo(a)anthracene	56-55-3	40	< 40
Benzo(b)fluoranthene	205-99-2	80	< 80
Benzo(k)fluoranthene	207-08-9	80	< 80
Benzo(a)pyrene	50-32-8	80	< 80
Benzo(g,h,i)perylene	191-24-2	80	< 80
Benzyl alcohol	100-51-6	40	< 40
Benzyl butyl phthalate	85-68-7	40	< 40
bis(2-Chloroethyl) ether	111-44-4	40	< 40
bis(2-Chloroethoxy) methane	111-91-1	40	< 40
bis(2-Ethylhexyl) phthalate	117-81-7	40	< 40
bis(2-Chloroisopropyl) ether	108-60-1	40	< 40
4-Bromophenyl phenyl ether	101-55-3	80	< 80
4-Chloroaniline	106-47-8	80	< 80
2-Chloronaphthalene	91-58-7	40	< 40
4-Chlorophenyl phenyl ether	7005-72-3	40	< 40
Chrysene	218-01-9	40	< 40
Dibenzo(a,h)anthracene	53-70-3	80	< 80
Dibenzofuran	132-64-9	40	< 40
Di-n-butyl phthalate	84-74-2	40	< 40
1,3-Dichlorobenzene	541-73-1	40	< 40
1,2-Dichlorobenzene	95-50-1	40	< 40
1,4-Dichlorobenzene	106-46-7	40	< 40
3,3'-Dichlorobenzidine	91-94-1	400	< 400
Diethyl phthalate	84-66-2	80	< 80
Dimethyl phthalate	131-11-3	40	< 40
2,4-Dinitrotoluene	121-14-2	40	< 40
2,6-Dinitrotoluene	606-20-2	40	< 40
Di-n-octyl phthalate	117-84-0	80	< 80
Fluoranthene	206-44-0	40	< 40
Fluorene	86-73-7	40	< 40
Hexachlorobenzene	118-74-1	80	< 80
Hexachlorobutadiene	87-68-3	40	< 40
Hexachlorocyclopentadiene	77-47-4	200	< 200
Hexachloroethane	67-72-1	80	< 80

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	80	< 80
Isophorone	78-59-1	40	< 40
2-Methylnaphthalene	91-57-6	40	< 40
Naphthalene	91-20-3	40	< 40
2-Nitroaniline	88-74-4	80	< 80
3-Nitroaniline	99-09-2	80	< 80
4-Nitroaniline	100-01-6	80	< 80
Nitrobenzene	98-95-3	40	< 40
N-Nitrosodiphenylamine	86-30-6	40	< 40
N-Nitrosodi-n-propylamine	621-64-7	40	< 40
Phenanthrene	85-01-8	40	< 40
Pyrene	129-00-0	40	< 40
1,2,4-Trichlorobenzene	120-82-1	80	< 80
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	800	< 800
4-Chloro-3-methylphenol	59-50-7	80	< 80
2-Chlorophenol	95-57-8	40	< 40
2,4-Dichlorophenol	120-83-2	80	< 80
2,4-Dimethylphenol	105-67-9	40	< 40
2,4-Dinitrophenol	51-28-5	400	< 400
2-Methylphenol	95-48-7	80	< 80
2-Methyl-4,6-dinitrophenol	534-52-1	400	< 400
4-Methylphenol	106-44-5	80	< 80
2-Nitrophenol	88-75-5	80	< 80
4-Nitrophenol	100-02-7	400	< 400
Pentachlorophenol	87-86-5	400	< 400
Phenol	108-95-2	40	< 40
2,4,5-Trichlorophenol	95-95-4	80	< 80
2,4,6-Trichlorophenol	88-06-2	80	< 80

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	51	23 - 120
2-Fluorobiphenyl	100 ug	55	30 - 115
P-Terphenyl-d_{14}	100 ug	57	18 -137
Phenol-d_5	200 ug	49	24 - 113
2-Fluorophenol	200 ug	45	25 - 121
2,4,6-Tribromophenol	200 ug	52	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	40	< 40
Acenaphthylene	208-96-8	40	< 40
Aniline	62-53-3	40	< 40
Anthracene	120-12-7	40	< 40
Azobenzene	103-33-3	40	< 40
Benzo(a)anthracene	56-55-3	40	< 40
Benzo(b)fluoranthene	205-99-2	80	< 80
Benzo(k)fluoranthene	207-08-9	80	< 80
Benzo(a)pyrene	50-32-8	80	< 80
Benzo(g,h,i)perylene	191-24-2	80	< 80
Benzyl alcohol	100-51-6	40	< 40
Benzyl butyl phthalate	85-68-7	40	< 40
bis(2-Chloroethyl) ether	111-44-4	40	< 40
bis(2-Chloroethoxy) methane	111-91-1	40	< 40
bis(2-Ethylhexyl) phthalate	117-81-7	40	< 40
bis(2-Chloroisopropyl) ether	108-60-1	40	< 40
4-Bromophenyl phenyl ether	101-55-3	80	< 80
4-Chloroaniline	106-47-8	80	< 80
2-Chloronaphthalene	91-58-7	40	< 40
4-Chlorophenyl phenyl ether	7005-72-3	40	< 40
Chrysene	218-01-9	40	< 40
Dibenzo(a,h)anthracene	53-70-3	80	< 80
Dibenzofuran	132-64-9	40	< 40
Di-n-butyl phthalate	84-74-2	40	< 40
1,3-Dichlorobenzene	541-73-1	40	< 40
1,2-Dichlorobenzene	95-50-1	40	< 40
1,4-Dichlorobenzene	106-46-7	40	< 40
3,3'-Dichlorobenzidine	91-94-1	400	< 400
Diethyl phthalate	84-66-2	80	< 80
Dimethyl phthalate	131-11-3	40	< 40
2,4-Dinitrotoluene	121-14-2	40	< 40
2,6-Dinitrotoluene	606-20-2	40	< 40
Di-n-octyl phthalate	117-84-0	80	< 80
Fluoranthene	206-44-0	40	< 40
Fluorene	86-73-7	40	< 40
Hexachlorobenzene	118-74-1	80	< 80
Hexachlorobutadiene	87-68-3	40	< 40
Hexachlorocyclopentadiene	77-47-4	200	< 200
Hexachloroethane	67-72-1	80	< 80

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	80	< 80
Isophorone	78-59-1	40	< 40
2-Methylnaphthalene	91-57-6	40	< 40
Naphthalene	91-20-3	40	< 40
2-Nitroaniline	88-74-4	80	< 80
3-Nitroaniline	99-09-2	80	< 80
4-Nitroaniline	100-01-6	80	< 80
Nitrobenzene	98-95-3	40	< 40
N-Nitrosodiphenylamine	86-30-6	40	< 40
N-Nitrosodi-n-propylamine	621-64-7	40	< 40
Phenanthrene	85-01-8	40	< 40
Pyrene	129-00-0	40	< 40
1,2,4-Trichlorobenzene	120-82-1	80	< 80
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	800	< 800
4-Chloro-3-methylphenol	59-50-7	80	< 80
2-Chlorophenol	95-57-8	40	< 40
2,4-Dichlorophenol	120-83-2	80	< 80
2,4-Dimethylphenol	105-67-9	40	< 40
2,4-Dinitrophenol	51-28-5	400	< 400
2-Methylphenol	95-48-7	80	< 80
2-Methyl-4,6-dinitrophenol	534-52-1	400	< 400
4-Methylphenol	106-44-5	80	< 80
2-Nitrophenol	88-75-5	80	< 80
4-Nitrophenol	100-02-7	400	< 400
Pentachlorophenol	87-86-5	400	< 400
Phenol	108-95-2	40	< 40
2,4,5-Trichlorophenol	95-95-4	80	< 80
2,4,6-Trichlorophenol	88-06-2	80	< 80

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	45	23 - 120
2-Fluorobiphenyl	100 ug	47	30 - 115
P-Terphenyl-d_{14}	100 ug	58	18 -137
Phenol-d_5	200 ug	44	24 - 113
2-Fluorophenol	200 ug	32	25 - 121
2,4,6-Tribromophenol	200 ug	48	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: E12	Alden Sample Number: 8567BA
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270 TD
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	40	< 40
Acenaphthylene	208-96-8	40	< 40
Aniline	62-53-3	40	< 40
Anthracene	120-12-7	40	< 40
Azobenzene	103-33-3	40	< 40
Benzo(a)anthracene	56-55-3	40	< 40
Benzo(b)fluoranthene	205-99-2	80	< 80
Benzo(k)fluoranthene	207-08-9	80	< 80
Benzo(a)pyrene	50-32-8	80	< 80
Benzo(g,h,i)perylene	191-24-2	80	< 80
Benzyl alcohol	100-51-6	40	< 40
Benzyl butyl phthalate	85-68-7	40	< 40
bis(2-Chloroethyl) ether	111-44-4	40	< 40
bis(2-Chloroethoxy) methane	111-91-1	40	< 40
bis(2-Ethylhexyl) phthalate	117-81-7	40	< 40
bis(2-Chloroisopropyl) ether	108-60-1	40	< 40
4-Bromophenyl phenyl ether	101-55-3	80	< 80
4-Chloroaniline	106-47-8	80	< 80
2-Chloronaphthalene	91-58-7	40	< 40
4-Chlorophenyl phenyl ether	7005-72-3	40	< 40
Chrysene	218-01-9	40	< 40
Dibenzo(a,h)anthracene	53-70-3	80	< 80
Dibenzofuran	132-64-9	40	< 40
Di-n-butyl phthalate	84-74-2	40	< 40
1,3-Dichlorobenzene	541-73-1	40	< 40
1,2-Dichlorobenzene	95-50-1	40	< 40
1,4-Dichlorobenzene	106-46-7	40	< 40
3,3'-Dichlorobenzidine	91-94-1	400	< 400
Diethyl phthalate	84-66-2	80	< 80
Dimethyl phthalate	131-11-3	40	< 40
2,4-Dinitrotoluene	121-14-2	40	< 40
2,6-Dinitrotoluene	606-20-2	40	< 40
Di-n-octyl phthalate	117-84-0	80	< 80
Fluoranthene	206-44-0	40	< 40
Fluorene	86-73-7	40	< 40
Hexachlorobenzene	118-74-1	80	< 80
Hexachlorobutadiene	87-68-3	40	< 40
Hexachlorocyclopentadiene	77-47-4	200	< 200
Hexachloroethane	67-72-1	80	< 80

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: E12	Alden Sample Number: 8567B
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	80	< 80
Isophorone	78-59-1	40	< 40
2-Methylnaphthalene	91-57-6	40	< 40
Naphthalene	91-20-3	40	< 40
2-Nitroaniline	88-74-4	80	< 80
3-Nitroaniline	99-09-2	80	< 80
4-Nitroaniline	100-01-6	80	< 80
Nitrobenzene	98-95-3	40	< 40
N-Nitrosodiphenylamine	86-30-6	40	< 40
N-Nitrosodi-n-propylamine	621-64-7	40	< 40
Phenanthrene	85-01-8	40	< 40
Pyrene	129-00-0	40	< 40
1,2,4-Trichlorobenzene	120-82-1	80	< 80
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	800	< 800
4-Chloro-3-methylphenol	59-50-7	80	< 80
2-Chlorophenol	95-57-8	40	< 40
2,4-Dichlorophenol	120-83-2	80	< 80
2,4-Dimethylphenol	105-67-9	40	< 40
2,4-Dinitrophenol	51-28-5	400	< 400
2-Methylphenol	95-48-7	80	< 80
2-Methyl-4,6-dinitrophenol	534-52-1	400	< 400
4-Methylphenol	106-44-5	80	< 80
2-Nitrophenol	88-75-5	80	< 80
4-Nitrophenol	100-02-7	400	< 400
Pentachlorophenol	87-86-5	400	< 400
Phenol	108-95-2	40	< 40
2,4,5-Trichlorophenol	95-95-4	80	< 80
2,4,6-Trichlorophenol	88-06-2	80	< 80

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	61	23 - 120
2-Fluorobiphenyl	100 ug	63	30 - 115
P-Terphenyl-d_{14}	100 ug	68	18 -137
Phenol-d_5	200 ug	56	24 - 113
2-Fluorophenol	200 ug	52	25 - 121
2,4,6-Tribromophenol	200 ug	77	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: Matrix Spike	Alden Sample Number: 8567A MS
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	8032	58	26 - 90
2-Chlorophenol	8032	62	25 - 102
1,4-Dichlorobenzene	4016	58	28 - 104
N-Nitroso-di-n-propylamine	4016	62	41 - 126
1,2,4-Trichlorobenzene	4016	69	38 - 107
4-Chloro-3-methylphenol	8032	72	26 - 103
Acenaphthene	4016	65	31 - 137
4-Nitrophenol	8032	79	11 - 114
2,4-Dinitrotoluene	4016	55	28 - 89
Pentachlorophenol	8032	94	17 - 109
Pyrene	4016	63	35 - 142

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: Spike Duplicate	Alden Sample Number: 8567A MSD
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	8032	44	26 - 90
2-Chlorophenol	8032	46	25 - 102
1,4-Dichlorobenzene	4016	43	28 - 104
N-Nitroso-di-n-propylamine	4016	45	41 - 126
1,2,4-Trichlorobenzene	4016	50	38 - 107
4-Chloro-3-methylphenol	8032	59	26 - 103
Acenaphthene	4016	54	31 - 137
4-Nitrophenol	8032	68	11 - 114
2,4-Dinitrotoluene	4016	47	28 - 89
Pentachlorophenol	8032	77	17 - 109
Pyrene	4016	55	35 - 142

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D36
Date of Sample Receipt: 9/30/91
Date of Sample Extraction: 10/3/91
Date of Sample Analysis: 10/27/91

Alden Job Number: 9109034/1
Alden Sample Number: 8568A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	92	< 92
Acenaphthylene	208-96-8	92	< 92
Aniline	62-53-3	92	< 92
Anthracene	120-12-7	92	< 92
Azobenzene	103-33-3	92	< 92
Benzo(a)anthracene	56-55-3	92	< 92
Benzo(b)fluoranthene	205-99-2	184	< 184
Benzo(k)fluoranthene	207-08-9	184	< 184
Benzo(a)pyrene	50-32-8	184	< 184
Benzo(g,h,i)perylene	191-24-2	184	< 184
Benzyl alcohol	100-51-6	92	< 92
Benzyl butyl phthalate	85-68-7	92	< 92
bis(2-Chloroethyl) ether	111-44-4	92	< 92
bis(2-Chloroethoxy) methane	111-91-1	92	< 92
bis(2-Ethylhexyl) phthalate	117-81-7	92	< 92
bis(2-Chloroisopropyl) ether	108-60-1	92	< 92
4-Bromophenyl phenyl ether	101-55-3	184	< 184
4-Chloroaniline	106-47-8	184	< 184
2-Chloronaphthalene	91-58-7	92	< 92
4-Chlorophenyl phenyl ether	7005-72-3	92	< 92
Chrysene	218-01-9	92	< 92
Dibenzo(a,h)anthracene	53-70-3	184	< 184
Dibenzofuran	132-64-9	92	< 92
Di-n-butyl phthalate	84-74-2	92	< 92
1,3-Dichlorobenzene	541-73-1	92	< 92
1,2-Dichlorobenzene	95-50-1	92	< 92
1,4-Dichlorobenzene	106-46-7	92	< 92
3,3'-Dichlorobenzidine	91-94-1	920	< 920
Diethyl phthalate	84-66-2	184	< 184
Dimethyl phthalate	131-11-3	92	< 92
2,4-Dinitrotoluene	121-14-2	92	< 92
2,6-Dinitrotoluene	606-20-2	92	< 92
Di-n-octyl phthalate	117-84-0	184	< 184
Fluoranthene	206-44-0	92	< 92
Fluorene	86-73-7	92	< 92
Hexachlorobenzene	118-74-1	184	< 184
Hexachlorobutadiene	87-68-3	92	< 92
Hexachlorocyclopentadiene	77-47-4	460	< 460
Hexachloroethane	67-72-1	184	< 184

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D36	Alden Sample Number: 8568A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	184	< 184
Isophorone	78-59-1	92	< 92
2-Methylnaphthalene	91-57-6	92	< 92
Naphthalene	91-20-3	92	< 92
2-Nitroaniline	88-74-4	184	< 184
3-Nitroaniline	99-09-2	184	< 184
4-Nitroaniline	100-01-6	184	< 184
Nitrobenzene	98-95-3	92	< 92
N-Nitrosodiphenylamine	86-30-6	92	< 92
N-Nitrosodi-n-propylamine	621-64-7	92	< 92
Phenanthrene	85-01-8	92	< 92
Pyrene	129-00-0	92	< 92
1,2,4-Trichlorobenzene	120-82-1	184	< 184
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1840	< 1840
4-Chloro-3-methylphenol	59-50-7	184	< 184
2-Chlorophenol	95-57-8	92	< 92
2,4-Dichlorophenol	120-83-2	184	< 184
2,4-Dimethylphenol	105-67-9	92	< 92
2,4-Dinitrophenol	51-28-5	920	< 920
2-Methylphenol	95-48-7	184	< 184
2-Methyl-4,6-dinitrophenol	534-52-1	920	< 920
4-Methylphenol	106-44-5	184	< 184
2-Nitrophenol	88-75-5	184	< 184
4-Nitrophenol	100-02-7	920	< 920
Pentachlorophenol	87-86-5	920	< 920
Phenol	108-95-2	92	< 92
2,4,5-Trichlorophenol	95-95-4	184	< 184
2,4,6-Trichlorophenol	88-06-2	184	< 184

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	62	23 - 120
2-Fluorobiphenyl	100 ug	66	30 - 115
P-Terphenyl-d_{14}	100 ug	65	18 - 137
Phenol-d_5	200 ug	60	24 - 113
2-Fluorophenol	200 ug	50	25 - 121
2,4,6-Tribromophenol	200 ug	66	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: E13	Alden Sample Number: 8569A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	42	< 42
Acenaphthylene	208-96-8	42	< 42
Aniline	62-53-3	42	< 42
Anthracene	120-12-7	42	< 42
Azobenzene	103-33-3	42	< 42
Benzo(a)anthracene	56-55-3	42	< 42
Benzo(b)fluoranthene	205-99-2	84	< 84
Benzo(k)fluoranthene	207-08-9	84	< 84
Benzo(a)pyrene	50-32-8	84	< 84
Benzo(g,h,i)perylene	191-24-2	84	< 84
Benzyl alcohol	100-51-6	42	< 42
Benzyl butyl phthalate	85-68-7	42	< 42
bis(2-Chloroethyl) ether	111-44-4	42	< 42
bis(2-Chloroethoxy) methane	111-91-1	42	< 42
bis(2-Ethylhexyl) phthalate	117-81-7	42	< 42
bis(2-Chloroisopropyl) ether	108-60-1	42	< 42
4-Bromophenyl phenyl ether	101-55-3	84	< 84
4-Chloroaniline	106-47-8	84	< 84
2-Chloronaphthalene	91-58-7	42	< 42
4-Chlorophenyl phenyl ether	7005-72-3	42	< 42
Chrysene	218-01-9	42	< 42
Dibenzo(a,h)anthracene	53-70-3	84	< 84
Dibenzofuran	132-64-9	42	< 42
Di-n-butyl phthalate	84-74-2	42	< 42
1,3-Dichlorobenzene	541-73-1	42	< 42
1,2-Dichlorobenzene	95-50-1	42	< 42
1,4-Dichlorobenzene	106-46-7	42	< 42
3,3'-Dichlorobenzidine	91-94-1	420	< 420
Diethyl phthalate	84-66-2	84	< 84
Dimethyl phthalate	131-11-3	42	< 42
2,4-Dinitrotoluene	121-14-2	42	< 42
2,6-Dinitrotoluene	606-20-2	42	< 42
Di-n-octyl phthalate	117-84-0	84	< 84
Fluoranthene	206-44-0	42	< 42
Fluorene	86-73-7	42	< 42
Hexachlorobenzene	118-74-1	84	< 84
Hexachlorobutadiene	87-68-3	42	< 42
Hexachlorocyclopentadiene	77-47-4	210	< 210
Hexachloroethane	67-72-1	84	< 84

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: E13	Alden Sample Number: 8569A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	84	< 84
Isophorone	78-59-1	42	< 42
2-Methylnaphthalene	91-57-6	42	< 42
Naphthalene	91-20-3	42	< 42
2-Nitroaniline	88-74-4	84	< 84
3-Nitroaniline	99-09-2	84	< 84
4-Nitroaniline	100-01-6	84	< 84
Nitrobenzene	98-95-3	42	< 42
N-Nitrosodiphenylamine	86-30-6	42	< 42
N-Nitrosodi-n-propylamine	621-64-7	42	< 42
Phenanthrene	85-01-8	42	< 42
Pyrene	129-00-0	42	< 42
1,2,4-Trichlorobenzene	120-82-1	84	< 84
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	840	< 840
4-Chloro-3-methylphenol	59-50-7	84	< 84
2-Chlorophenol	95-57-8	42	< 42
2,4-Dichlorophenol	120-83-2	84	< 84
2,4-Dimethylphenol	105-67-9	42	< 42
2,4-Dinitrophenol	51-28-5	420	< 420
2-Methylphenol	95-48-7	84	< 84
2-Methyl-4,6-dinitrophenol	534-52-1	420	< 420
4-Methylphenol	106-44-5	84	< 84
2-Nitrophenol	88-75-5	84	< 84
4-Nitrophenol	100-02-7	420	< 420
Pentachlorophenol	87-86-5	420	< 420
Phenol	108-95-2	42	< 42
2,4,5-Trichlorophenol	95-95-4	84	< 84
2,4,6-Trichlorophenol	88-06-2	84	< 84

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	45	23 - 120
2-Fluorobiphenyl	100 ug	54	30 - 115
P-Terphenyl-d_{14}	100 ug	61	18 -137
Phenol-d_5	200 ug	49	24 - 113
2-Fluorophenol	200 ug	40	25 - 121
2,4,6-Tribromophenol	200 ug	57	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D39	Alden Sample Number: 8571A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	42	< 42
Acenaphthylene	208-96-8	42	< 42
Aniline	62-53-3	42	< 42
Anthracene	120-12-7	42	< 42
Azobenzene	103-33-3	42	< 42
Benzo(a)anthracene	56-55-3	42	< 42
Benzo(b)fluoranthene	205-99-2	84	< 84
Benzo(k)fluoranthene	207-08-9	84	< 84
Benzo(a)pyrene	50-32-8	84	< 84
Benzo(g,h,i)perylene	191-24-2	84	< 84
Benzyl alcohol	100-51-6	42	< 42
Benzyl butyl phthalate	85-68-7	42	< 42
bis(2-Chloroethyl) ether	111-44-4	42	< 42
bis(2-Chloroethoxy) methane	111-91-1	42	< 42
bis(2-Ethylhexyl) phthalate	117-81-7	42	< 42
bis(2-Chloroisopropyl) ether	108-60-1	42	< 42
4-Bromophenyl phenyl ether	101-55-3	84	< 84
4-Chloroaniline	106-47-8	84	< 84
2-Chloronaphthalene	91-58-7	42	< 42
4-Chlorophenyl phenyl ether	7005-72-3	42	< 42
Chrysene	218-01-9	42	< 42
Dibenzo(a,h)anthracene	53-70-3	84	< 84
Dibenzofuran	132-64-9	42	< 42
Di-n-butyl phthalate	84-74-2	42	< 42
1,3-Dichlorobenzene	541-73-1	42	< 42
1,2-Dichlorobenzene	95-50-1	42	< 42
1,4-Dichlorobenzene	106-46-7	42	< 42
3,3'-Dichlorobenzidine	91-94-1	420	< 420
Diethyl phthalate	84-66-2	84	< 84
Dimethyl phthalate	131-11-3	42	< 42
2,4-Dinitrotoluene	121-14-2	42	< 42
2,6-Dinitrotoluene	606-20-2	42	< 42
Di-n-octyl phthalate	117-84-0	84	< 84
Fluoranthene	206-44-0	42	< 42
Fluorene	86-73-7	42	< 42
Hexachlorobenzene	118-74-1	84	< 84
Hexachlorobutadiene	87-68-3	42	< 42
Hexachlorocyclopentadiene	77-47-4	210	< 210
Hexachloroethane	67-72-1	84	< 84

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D39	Alden Sample Number: 8571A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	84	< 84
Isophorone	78-59-1	42	< 42
2-Methylnaphthalene	91-57-6	42	< 42
Naphthalene	91-20-3	42	< 42
2-Nitroaniline	88-74-4	84	< 84
3-Nitroaniline	99-09-2	84	< 84
4-Nitroaniline	100-01-6	84	< 84
Nitrobenzene	98-95-3	42	< 42
N-Nitrosodiphenylamine	86-30-6	42	< 42
N-Nitrosodi-n-propylamine	621-64-7	42	< 42
Phenanthrene	85-01-8	42	< 42
Pyrene	129-00-0	42	< 42
1,2,4-Trichlorobenzene	120-82-1	84	< 84
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	840	< 840
4-Chloro-3-methylphenol	59-50-7	84	< 84
2-Chlorophenol	95-57-8	42	< 42
2,4-Dichlorophenol	120-83-2	84	< 84
2,4-Dimethylphenol	105-67-9	42	< 42
2,4-Dinitrophenol	51-28-5	420	< 420
2-Methylphenol	95-48-7	84	< 84
2-Methyl-4,6-dinitrophenol	534-52-1	420	< 420
4-Methylphenol	106-44-5	84	< 84
2-Nitrophenol	88-75-5	84	< 84
4-Nitrophenol	100-02-7	420	< 420
Pentachlorophenol	87-86-5	420	< 420
Phenol	108-95-2	42	< 42
2,4,5-Trichlorophenol	95-95-4	84	< 84
2,4,6-Trichlorophenol	88-06-2	84	< 84

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	47	23 - 120
2-Fluorobiphenyl	100 ug	52	30 - 115
P-Terphenyl-d_{14}	100 ug	61	18 -137
Phenol-d_5	200 ug	48	24 - 113
2-Fluorophenol	200 ug	40	25 - 121
2,4,6-Tribromophenol	200 ug	71	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D40	Alden Sample Number: 8572A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	46	< 46
Acenaphthylene	208-96-8	46	< 46
Aniline	62-53-3	46	< 46
Anthracene	120-12-7	46	< 46
Azobenzene	103-33-3	46	< 46
Benzo(a)anthracene	56-55-3	46	< 46
Benzo(b)fluoranthene	205-99-2	92	< 92
Benzo(k)fluoranthene	207-08-9	92	< 92
Benzo(a)pyrene	50-32-8	92	< 92
Benzo(g,h,i)perylene	191-24-2	92	< 92
Benzyl alcohol	100-51-6	46	< 46
Benzyl butyl phthalate	85-68-7	46	< 46
bis(2-Chloroethyl) ether	111-44-4	46	< 46
bis(2-Chloroethoxy) methane	111-91-1	46	< 46
bis(2-Ethylhexyl) phthalate	117-81-7	46	< 46
bis(2-Chloroisopropyl) ether	108-60-1	46	< 46
4-Bromophenyl phenyl ether	101-55-3	92	< 92
4-Chloroaniline	106-47-8	92	< 92
2-Chloronaphthalene	91-58-7	46	< 46
4-Chlorophenyl phenyl ether	7005-72-3	46	< 46
Chrysene	218-01-9	46	< 46
Dibenzo(a,h)anthracene	53-70-3	92	< 92
Dibenzofuran	132-64-9	46	< 46
Di-n-butyl phthalate	84-74-2	46	< 46
1,3-Dichlorobenzene	541-73-1	46	< 46
1,2-Dichlorobenzene	95-50-1	46	< 46
1,4-Dichlorobenzene	106-46-7	46	< 46
3,3'-Dichlorobenzidine	91-94-1	460	< 460
Diethyl phthalate	84-66-2	92	< 92
Dimethyl phthalate	131-11-3	46	< 46
2,4-Dinitrotoluene	121-14-2	46	< 46
2,6-Dinitrotoluene	606-20-2	46	< 46
Di-n-octyl phthalate	117-84-0	92	< 92
Fluoranthene	206-44-0	46	< 46
Fluorene	86-73-7	46	< 46
Hexachlorobenzene	118-74-1	92	< 92
Hexachlorobutadiene	87-68-3	46	< 46
Hexachlorocyclopentadiene	77-47-4	230	< 230
Hexachloroethane	67-72-1	92	< 92

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D40	Alden Sample Number: 8572A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	92	< 92
Isophorone	78-59-1	46	< 46
2-Methylnaphthalene	91-57-6	46	< 46
Naphthalene	91-20-3	46	< 46
2-Nitroaniline	88-74-4	92	< 92
3-Nitroaniline	99-09-2	92	< 92
4-Nitroaniline	100-01-6	92	< 92
Nitrobenzene	98-95-3	46	< 46
N-Nitrosodiphenylamine	86-30-6	46	< 46
N-Nitrosodi-n-propylamine	621-64-7	46	< 46
Phenanthrene	85-01-8	46	< 46
Pyrene	129-00-0	46	< 46
1,2,4-Trichlorobenzene	120-82-1	92	< 92
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	920	< 920
4-Chloro-3-methylphenol	59-50-7	92	< 92
2-Chlorophenol	95-57-8	46	< 46
2,4-Dichlorophenol	120-83-2	92	< 92
2,4-Dimethylphenol	105-67-9	46	< 46
2,4-Dinitrophenol	51-28-5	460	< 460
2-Methylphenol	95-48-7	92	< 92
2-Methyl-4,6-dinitrophenol	534-52-1	460	< 460
4-Methylphenol	106-44-5	92	< 92
2-Nitrophenol	88-75-5	92	< 92
4-Nitrophenol	100-02-7	460	< 460
Pentachlorophenol	87-86-5	460	< 460
Phenol	108-95-2	46	< 46
2,4,5-Trichlorophenol	95-95-4	92	< 92
2,4,6-Trichlorophenol	88-06-2	92	< 92

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	44	23 - 120
2-Fluorobiphenyl	100 ug	50	30 - 115
P-Terphenyl-d_{14}	100 ug	56	18 -137
Phenol-d_5	200 ug	47	24 - 113
2-Fluorophenol	200 ug	37	25 - 121
2,4,6-Tribromophenol	200 ug	62	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E14
Date of Sample Receipt: 9/30/91
Date of Sample Extraction: 10/4/91
Date of Sample Analysis: 10/27/91

Alden Job Number: 9109034/1
Alden Sample Number: 8575A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	40	< 40
Acenaphthylene	208-96-8	40	< 40
Aniline	62-53-3	40	< 40
Anthracene	120-12-7	40	< 40
Azobenzene	103-33-3	40	< 40
Benzo(a)anthracene	56-55-3	40	< 40
Benzo(b)fluoranthene	205-99-2	80	< 80
Benzo(k)fluoranthene	207-08-9	80	< 80
Benzo(a)pyrene	50-32-8	80	< 80
Benzo(g,h,i)perylene	191-24-2	80	< 80
Benzyl alcohol	100-51-6	40	< 40
Benzyl butyl phthalate	85-68-7	40	< 40
bis(2-Chloroethyl) ether	111-44-4	40	< 40
bis(2-Chloroethoxy) methane	111-91-1	40	< 40
bis(2-Ethylhexyl) phthalate	117-81-7	40	< 40
bis(2-Chloroisopropyl) ether	108-60-1	40	< 40
4-Bromophenyl phenyl ether	101-55-3	80	< 80
4-Chloroaniline	106-47-8	80	< 80
2-Chloronaphthalene	91-58-7	40	< 40
4-Chlorophenyl phenyl ether	7005-72-3	40	< 40
Chrysene	218-01-9	40	< 40
Dibenzo(a,h)anthracene	53-70-3	80	< 80
Dibenzofuran	132-64-9	40	< 40
Di-n-butyl phthalate	84-74-2	40	< 40
1,3-Dichlorobenzene	541-73-1	40	< 40
1,2-Dichlorobenzene	95-50-1	40	< 40
1,4-Dichlorobenzene	106-46-7	40	< 40
3,3'-Dichlorobenzidine	91-94-1	400	< 400
Diethyl phthalate	84-66-2	80	< 80
Dimethyl phthalate	131-11-3	40	< 40
2,4-Dinitrotoluene	121-14-2	40	< 40
2,6-Dinitrotoluene	606-20-2	40	< 40
Di-n-octyl phthalate	117-84-0	80	< 80
Fluoranthene	206-44-0	40	< 40
Fluorene	86-73-7	40	< 40
Hexachlorobenzene	118-74-1	80	< 80
Hexachlorobutadiene	87-68-3	40	< 40
Hexachlorocyclopentadiene	77-47-4	200	< 200
Hexachloroethane	67-72-1	80	< 80

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E14
Date of Sample Receipt: 9/30/91
Date of Sample Extraction: 10/4/91
Date of Sample Analysis: 10/27/91

Alden Job Number: 9109034/1
Alden Sample Number: 8575A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	80	< 80
Isophorone	78-59-1	40	< 40
2-Methylnaphthalene	91-57-6	40	< 40
Naphthalene	91-20-3	40	< 40
2-Nitroaniline	88-74-4	80	< 80
3-Nitroaniline	99-09-2	80	< 80
4-Nitroaniline	100-01-6	80	< 80
Nitrobenzene	98-95-3	40	< 40
N-Nitrosodiphenylamine	86-30-6	40	< 40
N-Nitrosodi-n-propylamine	621-64-7	40	< 40
Phenanthrene	85-01-8	40	< 40
Pyrene	129-00-0	40	< 40
1,2,4-Trichlorobenzene	120-82-1	80	< 80
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	800	< 800
4-Chloro-3-methylphenol	59-50-7	80	< 80
2-Chlorophenol	95-57-8	40	< 40
2,4-Dichlorophenol	120-83-2	80	< 80
2,4-Dimethylphenol	105-67-9	40	< 40
2,4-Dinitrophenol	51-28-5	400	< 400
2-Methylphenol	95-48-7	80	< 80
2-Methyl-4,6-dinitrophenol	534-52-1	400	< 400
4-Methylphenol	106-44-5	80	< 80
2-Nitrophenol	88-75-5	80	< 80
4-Nitrophenol	100-02-7	400	< 400
Pentachlorophenol	87-86-5	400	< 400
Phenol	108-95-2	40	< 40
2,4,5-Trichlorophenol	95-95-4	80	< 80
2,4,6-Trichlorophenol	88-06-2	80	< 80

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	45	23 - 120
2-Fluorobiphenyl	100 ug	49	30 - 115
P-Terphenyl-d_{14}	100 ug	51	18 -137
Phenol-d_5	200 ug	45	24 - 113
2-Fluorophenol	200 ug	36	25 - 121
2,4,6-Tribromophenol	200 ug	60	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D37	Alden Sample Number: 8576A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	46	< 46
Acenaphthylene	208-96-8	46	< 46
Aniline	62-53-3	46	< 46
Anthracene	120-12-7	46	< 46
Azobenzene	103-33-3	46	< 46
Benzo(a)anthracene	56-55-3	46	< 46
Benzo(b)fluoranthene	205-99-2	92	< 92
Benzo(k)fluoranthene	207-08-9	92	< 92
Benzo(a)pyrene	50-32-8	92	< 92
Benzo(g,h,i)perylene	191-24-2	92	< 92
Benzyl alcohol	100-51-6	46	< 46
Benzyl butyl phthalate	85-68-7	46	< 46
bis(2-Chloroethyl) ether	111-44-4	46	< 46
bis(2-Chloroethoxy) methane	111-91-1	46	< 46
bis(2-Ethylhexyl) phthalate	117-81-7	46	< 46
bis(2-Chloroisopropyl) ether	108-60-1	46	< 46
4-Bromophenyl phenyl ether	101-55-3	92	< 92
4-Chloroaniline	106-47-8	92	< 92
2-Chloronaphthalene	91-58-7	46	< 46
4-Chlorophenyl phenyl ether	7005-72-3	46	< 46
Chrysene	218-01-9	46	< 46
Dibenzo(a,h)anthracene	53-70-3	92	< 92
Dibenzofuran	132-64-9	46	< 46
Di-n-butyl phthalate	84-74-2	46	< 46
1,3-Dichlorobenzene	541-73-1	46	< 46
1,2-Dichlorobenzene	95-50-1	46	< 46
1,4-Dichlorobenzene	106-46-7	46	< 46
3,3'-Dichlorobenzidine	91-94-1	460	< 460
Diethyl phthalate	84-66-2	92	< 92
Dimethyl phthalate	131-11-3	46	< 46
2,4-Dinitrotoluene	121-14-2	46	< 46
2,6-Dinitrotoluene	606-20-2	46	< 46
Di-n-octyl phthalate	117-84-0	92	< 92
Fluoranthene	206-44-0	46	< 46
Fluorene	86-73-7	46	< 46
Hexachlorobenzene	118-74-1	92	< 92
Hexachlorobutadiene	87-68-3	46	< 46
Hexachlorocyclopentadiene	77-47-4	230	< 230
Hexachloroethane	67-72-1	92	< 92

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D37	Alden Sample Number: 8576A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	92	< 92
Isophorone	78-59-1	46	< 46
2-Methylnaphthalene	91-57-6	46	< 46
Naphthalene	91-20-3	46	< 46
2-Nitroaniline	88-74-4	92	< 92
3-Nitroaniline	99-09-2	92	< 92
4-Nitroaniline	100-01-6	92	< 92
Nitrobenzene	98-95-3	46	< 46
N-Nitrosodiphenylamine	86-30-6	46	< 46
N-Nitrosodi-n-propylamine	621-64-7	46	< 46
Phenanthrene	85-01-8	46	< 46
Pyrene	129-00-0	46	< 46
1,2,4-Trichlorobenzene	120-82-1	92	< 92
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	920	< 920
4-Chloro-3-methylphenol	59-50-7	92	< 92
2-Chlorophenol	95-57-8	46	< 46
2,4-Dichlorophenol	120-83-2	92	< 92
2,4-Dimethylphenol	105-67-9	46	< 46
2,4-Dinitrophenol	51-28-5	460	< 460
2-Methylphenol	95-48-7	92	< 92
2-Methyl-4,6-dinitrophenol	534-52-1	460	< 460
4-Methylphenol	106-44-5	92	< 92
2-Nitrophenol	88-75-5	92	< 92
4-Nitrophenol	100-02-7	460	< 460
Pentachlorophenol	87-86-5	460	< 460
Phenol	108-95-2	46	< 46
2,4,5-Trichlorophenol	95-95-4	92	< 92
2,4,6-Trichlorophenol	88-06-2	92	< 92

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	44	23 - 120
2-Fluorobiphenyl	100 ug	55	30 - 115
P-Terphenyl-d_{14}	100 ug	59	18 - 137
Phenol-d_5	200 ug	47	24 - 113
2-Fluorophenol	200 ug	38	25 - 121
2,4,6-Tribromophenol	200 ug	62	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D38	Alden Sample Number: 8577A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/3/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	42	< 42
Acenaphthylene	208-96-8	42	< 42
Aniline	62-53-3	42	< 42
Anthracene	120-12-7	42	< 42
Azobenzene	103-33-3	42	< 42
Benzo(a)anthracene	56-55-3	42	< 42
Benzo(b)fluoranthene	205-99-2	84	< 84
Benzo(k)fluoranthene	207-08-9	84	< 84
Benzo(a)pyrene	50-32-8	84	< 84
Benzo(g,h,i)perylene	191-24-2	84	< 84
Benzyl alcohol	100-51-6	42	< 42
Benzyl butyl phthalate	85-68-7	42	< 42
bis(2-Chloroethyl) ether	111-44-4	42	< 42
bis(2-Chloroethoxy) methane	111-91-1	42	< 42
bis(2-Ethylhexyl) phthalate	117-81-7	42	< 42
bis(2-Chloroisopropyl) ether	108-60-1	42	< 42
4-Bromophenyl phenyl ether	101-55-3	84	< 84
4-Chloroaniline	106-47-8	84	< 84
2-Chloronaphthalene	91-58-7	42	< 42
4-Chlorophenyl phenyl ether	7005-72-3	42	< 42
Chrysene	218-01-9	42	< 42
Dibenzo(a,h)anthracene	53-70-3	84	< 84
Dibenzofuran	132-64-9	42	< 42
Di-n-butyl phthalate	84-74-2	42	< 42
1,3-Dichlorobenzene	541-73-1	42	< 42
1,2-Dichlorobenzene	95-50-1	42	< 42
1,4-Dichlorobenzene	106-46-7	42	< 42
3,3'-Dichlorobenzidine	91-94-1	420	< 420
Diethyl phthalate	84-66-2	84	< 84
Dimethyl phthalate	131-11-3	42	< 42
2,4-Dinitrotoluene	121-14-2	42	< 42
2,6-Dinitrotoluene	606-20-2	42	< 42
Di-n-octyl phthalate	117-84-0	84	< 84
Fluoranthene	206-44-0	42	< 42
Fluorene	86-73-7	42	< 42
Hexachlorobenzene	118-74-1	84	< 84
Hexachlorobutadiene	87-68-3	42	< 42
Hexachlorocyclopentadiene	77-47-4	210	< 210
Hexachloroethane	67-72-1	84	< 84

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D38
Date of Sample Receipt: 9/30/91
Date of Sample Extraction: 10/3/91
Date of Sample Analysis: 10/27/91

Alden Job Number: 9109034/1
Alden Sample Number: 8577A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	84	< 84
Isophorone	78-59-1	42	< 42
2-Methylnaphthalene	91-57-6	42	< 42
Naphthalene	91-20-3	42	< 42
2-Nitroaniline	88-74-4	84	< 84
3-Nitroaniline	99-09-2	84	< 84
4-Nitroaniline	100-01-6	84	< 84
Nitrobenzene	98-95-3	42	< 42
N-Nitrosodiphenylamine	86-30-6	42	< 42
N-Nitrosodi-n-propylamine	621-64-7	42	< 42
Phenanthrene	85-01-8	42	< 42
Pyrene	129-00-0	42	< 42
1,2,4-Trichlorobenzene	120-82-1	84	< 84
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	840	< 840
4-Chloro-3-methylphenol	59-50-7	84	< 84
2-Chlorophenol	95-57-8	42	< 42
2,4-Dichlorophenol	120-83-2	84	< 84
2,4-Dimethylphenol	105-67-9	42	< 42
2,4-Dinitrophenol	51-28-5	420	< 420
2-Methylphenol	95-48-7	84	< 84
2-Methyl-4,6-dinitrophenol	534-52-1	420	< 420
4-Methylphenol	106-44-5	84	< 84
2-Nitrophenol	88-75-5	84	< 84
4-Nitrophenol	100-02-7	420	< 420
Pentachlorophenol	87-86-5	420	< 420
Phenol	108-95-2	42	< 42
2,4,5-Trichlorophenol	95-95-4	84	< 84
2,4,6-Trichlorophenol	88-06-2	84	< 84

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	47	23 - 120
2-Fluorobiphenyl	100 ug	51	30 - 115
P-Terphenyl-d_{14}	100 ug	53	18 -137
Phenol-d_5	200 ug	45	24 - 113
2-Fluorophenol	200 ug	40	25 - 121
2,4,6-Tribromophenol	200 ug	57	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D41	Alden Sample Number: 8578A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	70	< 70
Acenaphthylene	208-96-8	70	< 70
Aniline	62-53-3	70	< 70
Anthracene	120-12-7	70	< 70
Azobenzene	103-33-3	70	< 70
Benzo(a)anthracene	56-55-3	70	< 70
Benzo(b)fluoranthene	205-99-2	140	< 140
Benzo(k)fluoranthene	207-08-9	140	< 140
Benzo(a)pyrene	50-32-8	140	< 140
Benzo(g,h,i)perylene	191-24-2	140	< 140
Benzyl alcohol	100-51-6	70	< 70
Benzyl butyl phthalate	85-68-7	70	< 70
bis(2-Chloroethyl) ether	111-44-4	70	< 70
bis(2-Chloroethoxy) methane	111-91-1	70	< 70
bis(2-Ethylhexyl) phthalate	117-81-7	70	200
bis(2-Chloroisopropyl) ether	108-60-1	70	< 70
4-Bromophenyl phenyl ether	101-55-3	140	< 140
4-Chloroaniline	106-47-8	140	< 140
2-Chloronaphthalene	91-58-7	70	< 70
4-Chlorophenyl phenyl ether	7005-72-3	70	< 70
Chrysene	218-01-9	70	< 70
Dibenzo(a,h)anthracene	53-70-3	140	< 140
Dibenzofuran	132-64-9	70	< 70
Di-n-butyl phthalate	84-74-2	70	< 70
1,3-Dichlorobenzene	541-73-1	70	< 70
1,2-Dichlorobenzene	95-50-1	70	< 70
1,4-Dichlorobenzene	106-46-7	70	< 70
3,3'-Dichlorobenzidine	91-94-1	700	< 700
Diethyl phthalate	84-66-2	140	< 140
Dimethyl phthalate	131-11-3	70	< 70
2,4-Dinitrotoluene	121-14-2	70	< 70
2,6-Dinitrotoluene	606-20-2	70	< 70
Di-n-octyl phthalate	117-84-0	140	< 140
Fluoranthene	206-44-0	70	< 70
Fluorene	86-73-7	70	< 70
Hexachlorobenzene	118-74-1	140	< 140
Hexachlorobutadiene	87-68-3	70	< 70
Hexachlorocyclopentadiene	77-47-4	350	< 350
Hexachloroethane	67-72-1	140	< 140

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D41	Alden Sample Number: 8578A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	140	< 140
Isophorone	78-59-1	70	< 70
2-Methylnaphthalene	91-57-6	70	< 70
Naphthalene	91-20-3	70	< 70
2-Nitroaniline	88-74-4	140	< 140
3-Nitroaniline	99-09-2	140	< 140
4-Nitroaniline	100-01-6	140	< 140
Nitrobenzene	98-95-3	70	< 70
N-Nitrosodiphenylamine	86-30-6	70	< 70
N-Nitrosodi-n-propylamine	621-64-7	70	< 70
Phenanthrene	85-01-8	70	< 70
Pyrene	129-00-0	70	< 70
1,2,4-Trichlorobenzene	120-82-1	140	< 140
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1400	< 1400
4-Chloro-3-methylphenol	59-50-7	140	< 140
2-Chlorophenol	95-57-8	70	< 70
2,4-Dichlorophenol	120-83-2	140	< 140
2,4-Dimethylphenol	105-67-9	70	< 70
2,4-Dinitrophenol	51-28-5	700	< 700
2-Methylphenol	95-48-7	140	< 140
2-Methyl-4,6-dinitrophenol	534-52-1	700	< 700
4-Methylphenol	106-44-5	140	< 140
2-Nitrophenol	88-75-5	140	< 140
4-Nitrophenol	100-02-7	700	< 700
Pentachlorophenol	87-86-5	700	< 700
Phenol	108-95-2	70	< 70
2,4,5-Trichlorophenol	95-95-4	140	< 140
2,4,6-Trichlorophenol	88-06-2	140	< 140

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	45	23 - 120
2-Fluorobiphenyl	100 ug	50	30 - 115
P-Terphenyl-d_{14}	100 ug	51	18 -137
Phenol-d_5	200 ug	44	24 - 113
2-Fluorophenol	200 ug	39	25 - 121
2,4,6-Tribromophenol	200 ug	46	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D35	Alden Sample Number: 8579A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	62	< 62
Acenaphthylene	208-96-8	62	< 62
Aniline	62-53-3	62	< 62
Anthracene	120-12-7	62	< 62
Azobenzene	103-33-3	62	< 62
Benzo(a)anthracene	56-55-3	62	< 62
Benzo(b)fluoranthene	205-99-2	124	< 124
Benzo(k)fluoranthene	207-08-9	124	< 124
Benzo(a)pyrene	50-32-8	124	< 124
Benzo(g,h,i)perylene	191-24-2	124	< 124
Benzyl alcohol	100-51-6	62	< 62
Benzyl butyl phthalate	85-68-7	62	< 62
bis(2-Chloroethyl) ether	111-44-4	62	< 62
bis(2-Chloroethoxy) methane	111-91-1	62	< 62
bis(2-Ethylhexyl) phthalate	117-81-7	62	< 62
bis(2-Chloroisopropyl) ether	108-60-1	62	< 62
4-Bromophenyl phenyl ether	101-55-3	124	< 124
4-Chloroaniline	106-47-8	124	< 124
2-Chloronaphthalene	91-58-7	62	< 62
4-Chlorophenyl phenyl ether	7005-72-3	62	< 62
Chrysene	218-01-9	62	< 62
Dibenzo(a,h)anthracene	53-70-3	124	< 124
Dibenzofuran	132-64-9	62	< 62
Di-n-butyl phthalate	84-74-2	62	< 62
1,3-Dichlorobenzene	541-73-1	62	< 62
1,2-Dichlorobenzene	95-50-1	62	< 62
1,4-Dichlorobenzene	106-46-7	62	< 62
3,3'-Dichlorobenzidine	91-94-1	620	< 620
Diethyl phthalate	84-66-2	124	< 124
Dimethyl phthalate	131-11-3	62	< 62
2,4-Dinitrotoluene	121-14-2	62	< 62
2,6-Dinitrotoluene	606-20-2	62	< 62
Di-n-octyl phthalate	117-84-0	124	< 124
Fluoranthene	206-44-0	62	< 62
Fluorene	86-73-7	62	< 62
Hexachlorobenzene	118-74-1	124	< 124
Hexachlorobutadiene	87-68-3	62	< 62
Hexachlorocyclopentadiene	77-47-4	310	< 310
Hexachloroethane	67-72-1	124	< 124

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9109034/1
Client Sample Number: D35	Alden Sample Number: 8579A
Date of Sample Receipt: 9/30/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	124	< 124
Isophorone	78-59-1	62	< 62
2-Methylnaphthalene	91-57-6	62	< 62
Naphthalene	91-20-3	62	< 62
2-Nitroaniline	88-74-4	124	< 124
3-Nitroaniline	99-09-2	124	< 124
4-Nitroaniline	100-01-6	124	< 124
Nitrobenzene	98-95-3	62	< 62
N-Nitrosodiphenylamine	86-30-6	62	< 62
N-Nitrosodi-n-propylamine	621-64-7	62	< 62
Phenanthrene	85-01-8	62	< 62
Pyrene	129-00-0	62	< 62
1,2,4-Trichlorobenzene	120-82-1	124	< 124
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1240	< 1240
4-Chloro-3-methylphenol	59-50-7	124	< 124
2-Chlorophenol	95-57-8	62	< 62
2,4-Dichlorophenol	120-83-2	124	< 124
2,4-Dimethylphenol	105-67-9	62	< 62
2,4-Dinitrophenol	51-28-5	620	< 620
2-Methylphenol	95-48-7	124	< 124
2-Methyl-4,6-dinitrophenol	534-52-1	620	< 620
4-Methylphenol	106-44-5	124	< 124
2-Nitrophenol	88-75-5	124	< 124
4-Nitrophenol	100-02-7	620	< 620
Pentachlorophenol	87-86-5	620	< 620
Phenol	108-95-2	62	< 62
2,4,5-Trichlorophenol	95-95-4	124	< 124
2,4,6-Trichlorophenol	88-06-2	124	< 124

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	49	23 - 120
2-Fluorobiphenyl	100 ug	52	30 - 115
P-Terphenyl-d_{14}	100 ug	45	18 -137
Phenol-d_5	200 ug	48	24 - 113
2-Fluorophenol	200 ug	39	25 - 121
2,4,6-Tribromophenol	200 ug	54	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: N/A
Date of Sample Receipt: N/A
Date of Sample Extraction: 10/4/91
Date of Sample Analysis: 10/27/91

Alden Job Number: 9110001/1
Alden Sample Number: Blank
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	40	< 40
Acenaphthylene	208-96-8	40	< 40
Aniline	62-53-3	40	< 40
Anthracene	120-12-7	40	< 40
Azobenzene	103-33-3	40	< 40
Benzo(a)anthracene	56-55-3	40	< 40
Benzo(b)fluoranthene	205-99-2	80	< 80
Benzo(k)fluoranthene	207-08-9	80	< 80
Benzo(a)pyrene	50-32-8	80	< 80
Benzo(g,h,i)perylene	191-24-2	80	< 80
Benzyl alcohol	100-51-6	40	< 40
Benzyl butyl phthalate	85-68-7	40	< 40
bis(2-Chloroethyl) ether	111-44-4	40	< 40
bis(2-Chloroethoxy) methane	111-91-1	40	< 40
bis(2-Ethylhexyl) phthalate	117-81-7	40	< 40
bis(2-Chloroisopropyl) ether	108-60-1	40	< 40
4-Bromophenyl phenyl ether	101-55-3	80	< 80
4-Chloroaniline	106-47-8	80	< 80
2-Chloronaphthalene	91-58-7	40	< 40
4-Chlorophenyl phenyl ether	7005-72-3	40	< 40
Chrysene	218-01-9	40	< 40
Dibenzo(a,h)anthracene	53-70-3	80	< 80
Dibenzofuran	132-64-9	40	< 40
Di-n-butyl phthalate	84-74-2	40	< 40
1,3-Dichlorobenzene	541-73-1	40	< 40
1,2-Dichlorobenzene	95-50-1	40	< 40
1,4-Dichlorobenzene	106-46-7	40	< 40
3,3'-Dichlorobenzidine	91-94-1	400	< 400
Diethyl phthalate	84-66-2	80	< 80
Dimethyl phthalate	131-11-3	40	< 40
2,4-Dinitrotoluene	121-14-2	40	< 40
2,6-Dinitrotoluene	606-20-2	40	< 40
Di-n-octyl phthalate	117-84-0	80	< 80
Fluoranthene	206-44-0	40	< 40
Fluorene	86-73-7	40	< 40
Hexachlorobenzene	118-74-1	80	< 80
Hexachlorobutadiene	87-68-3	40	< 40
Hexachlorocyclopentadiene	77-47-4	200	< 200
Hexachloroethane	67-72-1	80	< 80

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/27/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	80	< 80
Isophorone	78-59-1	40	< 40
2-Methylnaphthalene	91-57-6	40	< 40
Naphthalene	91-20-3	40	< 40
2-Nitroaniline	88-74-4	80	< 80
3-Nitroaniline	99-09-2	80	< 80
4-Nitroaniline	100-01-6	80	< 80
Nitrobenzene	98-95-3	40	< 40
N-Nitrosodiphenylamine	86-30-6	40	< 40
N-Nitrosodi-n-propylamine	621-64-7	40	< 40
Phenanthrene	85-01-8	40	< 40
Pyrene	129-00-0	40	< 40
1,2,4-Trichlorobenzene	120-82-1	80	< 80
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	800	< 800
4-Chloro-3-methylphenol	59-50-7	80	< 80
2-Chlorophenol	95-57-8	40	< 40
2,4-Dichlorophenol	120-83-2	80	< 80
2,4-Dimethylphenol	105-67-9	40	< 40
2,4-Dinitrophenol	51-28-5	400	< 400
2-Methylphenol	95-48-7	80	< 80
2-Methyl-4,6-dinitrophenol	534-52-1	400	< 400
4-Methylphenol	106-44-5	80	< 80
2-Nitrophenol	88-75-5	80	< 80
4-Nitrophenol	100-02-7	400	< 400
Pentachlorophenol	87-86-5	400	< 400
Phenol	108-95-2	40	< 40
2,4,5-Trichlorophenol	95-95-4	80	< 80
2,4,6-Trichlorophenol	88-06-2	80	< 80

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	45	23 - 120
2-Fluorobiphenyl	100 ug	47	30 - 115
P-Terphenyl-d_{14}	100 ug	58	18 - 137
Phenol-d_5	200 ug	44	24 - 113
2-Fluorophenol	200 ug	32	25 - 121
2,4,6-Tribromophenol	200 ug	48	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D34
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/4/91
Date of Sample Analysis: 10/28/91

Alden Job Number: 9110001/1
Alden Sample Number: 8610B/1
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	42	< 42
Acenaphthylene	208-96-8	42	< 42
Aniline	62-53-3	42	< 42
Anthracene	120-12-7	42	< 42
Azobenzene	103-33-3	42	< 42
Benzo(a)anthracene	56-55-3	42	< 42
Benzo(b)fluoranthene	205-99-2	84	< 84
Benzo(k)fluoranthene	207-08-9	84	< 84
Benzo(a)pyrene	50-32-8	84	< 84
Benzo(g,h,i)perylene	191-24-2	84	< 84
Benzyl alcohol	100-51-6	42	< 42
Benzyl butyl phthalate	85-68-7	42	< 42
bis(2-Chloroethyl) ether	111-44-4	42	< 42
bis(2-Chloroethoxy) methane	111-91-1	42	< 42
bis(2-Ethylhexyl) phthalate	117-81-7	42	< 42
bis(2-Chloroisopropyl) ether	108-60-1	42	< 42
4-Bromophenyl phenyl ether	101-55-3	84	< 84
4-Chloroaniline	106-47-8	84	< 84
2-Chloronaphthalene	91-58-7	42	< 42
4-Chlorophenyl phenyl ether	7005-72-3	42	< 42
Chrysene	218-01-9	42	< 42
Dibenzo(a,h)anthracene	53-70-3	84	< 84
Dibenzofuran	132-64-9	42	< 42
Di-n-butyl phthalate	84-74-2	42	< 42
1,3-Dichlorobenzene	541-73-1	42	< 42
1,2-Dichlorobenzene	95-50-1	42	< 42
1,4-Dichlorobenzene	106-46-7	42	< 42
3,3'-Dichlorobenzidine	91-94-1	420	< 420
Diethyl phthalate	84-66-2	84	< 84
Dimethyl phthalate	131-11-3	42	< 42
2,4-Dinitrotoluene	121-14-2	42	< 42
2,6-Dinitrotoluene	606-20-2	42	< 42
Di-n-octyl phthalate	117-84-0	84	< 84
Fluoranthene	206-44-0	42	< 42
Fluorene	86-73-7	42	< 42
Hexachlorobenzene	118-74-1	84	< 84
Hexachlorobutadiene	87-68-3	42	< 42
Hexachlorocyclopentadiene	77-47-4	210	< 210
Hexachloroethane	67-72-1	84	< 84

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D34	Alden Sample Number: 8610B
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	84	< 84
Isophorone	78-59-1	42	< 42
2-Methylnaphthalene	91-57-6	42	< 42
Naphthalene	91-20-3	42	< 42
2-Nitroaniline	88-74-4	84	< 84
3-Nitroaniline	99-09-2	84	< 84
4-Nitroaniline	100-01-6	84	< 84
Nitrobenzene	98-95-3	42	< 42
N-Nitrosodiphenylamine	86-30-6	42	< 42
N-Nitrosodi-n-propylamine	621-64-7	42	< 42
Phenanthrene	85-01-8	42	< 42
Pyrene	129-00-0	42	< 42
1,2,4-Trichlorobenzene	120-82-1	84	< 84
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	840	< 840
4-Chloro-3-methylphenol	59-50-7	84	< 84
2-Chlorophenol	95-57-8	42	< 42
2,4-Dichlorophenol	120-83-2	84	< 84
2,4-Dimethylphenol	105-67-9	42	< 42
2,4-Dinitrophenol	51-28-5	420	< 420
2-Methylphenol	95-48-7	84	< 84
2-Methyl-4,6-dinitrophenol	534-52-1	420	< 420
4-Methylphenol	106-44-5	84	< 84
2-Nitrophenol	88-75-5	84	< 84
4-Nitrophenol	100-02-7	420	< 420
Pentachlorophenol	87-86-5	420	< 420
Phenol	108-95-2	42	< 42
2,4,5-Trichlorophenol	95-95-4	84	< 84
2,4,6-Trichlorophenol	88-06-2	84	< 84

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	45	23 - 120
2-Fluorobiphenyl	100 ug	45	30 - 115
P-Terphenyl-d_{14}	100 ug	45	18 - 137
Phenol-d_5	200 ug	45	24 - 113
2-Fluorophenol	200 ug	36	25 - 121
2,4,6-Tribromophenol	200 ug	60	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: Matrix Spike	Alden Sample Number: 8610A MS
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	8547	33	26 - 90
2-Chlorophenol	8547	33	25 - 102
1,4-Dichlorobenzene	4274	29	28 - 104
N-Nitroso-di-n-propylamine	4274	48	41 - 126
1,2,4-Trichlorobenzene	4274	37	38 - 107
4-Chloro-3-methylphenol	8547	50	26 - 103
Acenaphthene	4274	41	31 - 137
4-Nitrophenol	8547	50	11 - 114
2,4-Dinitrotoluene	4274	37	28 - 89
Pentachlorophenol	8547	51	17 - 109
Pyrene	4274	42	35 - 142

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: Spike Duplicate	Alden Sample Number: 8610A MSD
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	8547	42	26 - 90
2-Chlorophenol	8547	42	25 - 102
1,4-Dichlorobenzene	4274	38	28 - 104
N-Nitroso-di-n-propylamine	4274	48	41 - 126
1,2,4-Trichlorobenzene	4274	46	38 - 107
4-Chloro-3-methylphenol	8547	52	26 - 103
Acenaphthene	4274	44	31 - 137
4-Nitrophenol	8547	52	11 - 114
2,4-Dinitrotoluene	4274	39	28 - 89
Pentachlorophenol	8547	53	17 - 109
Pyrene	4274	44	35 - 142

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D33
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/4/91
Date of Sample Analysis: 10/28/91

Alden Job Number: 9110001/1
Alden Sample Number: 8611A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	46	< 46
Acenaphthylene	208-96-8	46	< 46
Aniline	62-53-3	46	< 46
Anthracene	120-12-7	46	< 46
Azobenzene	103-33-3	46	< 46
Benzo(a)anthracene	56-55-3	46	< 46
Benzo(b)fluoranthene	205-99-2	92	< 92
Benzo(k)fluoranthene	207-08-9	92	< 92
Benzo(a)pyrene	50-32-8	92	< 92
Benzo(g,h,i)perylene	191-24-2	92	< 92
Benzyl alcohol	100-51-6	46	< 46
Benzyl butyl phthalate	85-68-7	46	< 46
bis(2-Chloroethyl) ether	111-44-4	46	< 46
bis(2-Chloroethoxy) methane	111-91-1	46	< 46
bis(2-Ethylhexyl) phthalate	117-81-7	46	< 46
bis(2-Chloroisopropyl) ether	108-60-1	46	< 46
4-Bromophenyl phenyl ether	101-55-3	92	< 92
4-Chloroaniline	106-47-8	92	< 92
2-Chloronaphthalene	91-58-7	46	< 46
4-Chlorophenyl phenyl ether	7005-72-3	46	< 46
Chrysene	218-01-9	46	< 46
Dibenzo(a,h)anthracene	53-70-3	92	< 92
Dibenzofuran	132-64-9	46	< 46
Di-n-butyl phthalate	84-74-2	46	< 46
1,3-Dichlorobenzene	541-73-1	46	< 46
1,2-Dichlorobenzene	95-50-1	46	< 46
1,4-Dichlorobenzene	106-46-7	46	< 46
3,3'-Dichlorobenzidine	91-94-1	460	< 460
Diethyl phthalate	84-66-2	92	< 92
Dimethyl phthalate	131-11-3	46	< 46
2,4-Dinitrotoluene	121-14-2	46	< 46
2,6-Dinitrotoluene	606-20-2	46	< 46
Di-n-octyl phthalate	117-84-0	92	< 92
Fluoranthene	206-44-0	46	< 46
Fluorene	86-73-7	46	< 46
Hexachlorobenzene	118-74-1	92	< 92
Hexachlorobutadiene	87-68-3	46	< 46
Hexachlorocyclopentadiene	77-47-4	230	< 230
Hexachloroethane	67-72-1	92	< 92

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D33
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/4/91
Date of Sample Analysis: 10/28/91

Alden Job Number: 9110001/1
Alden Sample Number: 8611A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	92	< 92
Isophorone	78-59-1	46	< 46
2-Methylnaphthalene	91-57-6	46	< 46
Naphthalene	91-20-3	46	< 46
2-Nitroaniline	88-74-4	92	< 92
3-Nitroaniline	99-09-2	92	< 92
4-Nitroaniline	100-01-6	92	< 92
Nitrobenzene	98-95-3	46	< 46
N-Nitrosodiphenylamine	86-30-6	46	< 46
N-Nitrosodi-n-propylamine	621-64-7	46	< 46
Phenanthrene	85-01-8	46	< 46
Pyrene	129-00-0	46	< 46
1,2,4-Trichlorobenzene	120-82-1	92	< 92
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	920	< 920
4-Chloro-3-methylphenol	59-50-7	92	< 92
2-Chlorophenol	95-57-8	46	< 46
2,4-Dichlorophenol	120-83-2	92	< 92
2,4-Dimethylphenol	105-67-9	46	< 46
2,4-Dinitrophenol	51-28-5	460	< 460
2-Methylphenol	95-48-7	92	< 92
2-Methyl-4,6-dinitrophenol	534-52-1	460	< 460
4-Methylphenol	106-44-5	92	< 92
2-Nitrophenol	88-75-5	92	< 92
4-Nitrophenol	100-02-7	460	< 460
Pentachlorophenol	87-86-5	460	< 460
Phenol	108-95-2	46	< 46
2,4,5-Trichlorophenol	95-95-4	92	< 92
2,4,6-Trichlorophenol	88-06-2	92	< 92

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	35	23 - 120
2-Fluorobiphenyl	100 ug	33	30 - 115
P-Terphenyl-d_{14}	100 ug	44	18 - 137
Phenol-d_5	200 ug	31	24 - 113
2-Fluorophenol	200 ug	27	25 - 121
2,4,6-Tribromophenol	200 ug	49	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D31	Alden Sample Number: 8612A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	86	< 86
Acenaphthylene	208-96-8	86	< 86
Aniline	62-53-3	86	< 86
Anthracene	120-12-7	86	< 86
Azobenzene	103-33-3	86	< 86
Benzo(a)anthracene	56-55-3	86	< 86
Benzo(b)fluoranthene	205-99-2	172	< 172
Benzo(k)fluoranthene	207-08-9	172	< 172
Benzo(a)pyrene	50-32-8	172	< 172
Benzo(g,h,i)perylene	191-24-2	172	< 172
Benzyl alcohol	100-51-6	86	< 86
Benzyl butyl phthalate	85-68-7	86	< 86
bis(2-Chloroethyl) ether	111-44-4	86	< 86
bis(2-Chloroethoxy) methane	111-91-1	86	< 86
bis(2-Ethylhexyl) phthalate	117-81-7	86	470 ✓
bis(2-Chloroisopropyl) ether	108-60-1	86	< 86
4-Bromophenyl phenyl ether	101-55-3	172	< 172
4-Chloroaniline	106-47-8	172	< 172
2-Chloronaphthalene	91-58-7	86	< 86
4-Chlorophenyl phenyl ether	7005-72-3	86	< 86
Chrysene	218-01-9	86	< 86
Dibenzo(a,h)anthracene	53-70-3	172	< 172
Dibenzofuran	132-64-9	86	< 86
Di-n-butyl phthalate	84-74-2	86	< 86
1,3-Dichlorobenzene	541-73-1	86	< 86
1,2-Dichlorobenzene	95-50-1	86	< 86
1,4-Dichlorobenzene	106-46-7	86	< 86
3,3'-Dichlorobenzidine	91-94-1	860	< 860
Diethyl phthalate	84-66-2	172	< 172
Dimethyl phthalate	131-11-3	86	< 86
2,4-Dinitrotoluene	121-14-2	86	< 86
2,6-Dinitrotoluene	606-20-2	86	< 86
Di-n-octyl phthalate	117-84-0	172	< 172
Fluoranthene	206-44-0	86	< 86
Fluorene	86-73-7	86	< 86
Hexachlorobenzene	118-74-1	172	< 172
Hexachlorobutadiene	87-68-3	86	< 86
Hexachlorocyclopentadiene	77-47-4	430	< 430
Hexachloroethane	67-72-1	172	< 172

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D31	Alden Sample Number: 8612A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	172	< 172
Isophorone	78-59-1	86	< 86
2-Methylnaphthalene	91-57-6	86	< 86
Naphthalene	91-20-3	86	< 86
2-Nitroaniline	88-74-4	172	< 172
3-Nitroaniline	99-09-2	172	< 172
4-Nitroaniline	100-01-6	172	< 172
Nitrobenzene	98-95-3	86	< 86
N-Nitrosodiphenylamine	86-30-6	86	< 86
N-Nitrosodi-n-propylamine	621-64-7	86	< 86
Phenanthrene	85-01-8	86	< 86
Pyrene	129-00-0	86	< 86
1,2,4-Trichlorobenzene	120-82-1	172	< 172
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1720	< 1720
4-Chloro-3-methylphenol	59-50-7	172	< 172
2-Chlorophenol	95-57-8	86	< 86
2,4-Dichlorophenol	120-83-2	172	< 172
2,4-Dimethylphenol	105-67-9	86	< 86
2,4-Dinitrophenol	51-28-5	860	< 860
2-Methylphenol	95-48-7	172	< 172
2-Methyl-4,6-dinitrophenol	534-52-1	860	< 860
4-Methylphenol	106-44-5	172	< 172
2-Nitrophenol	88-75-5	172	< 172
4-Nitrophenol	100-02-7	860	< 860
Pentachlorophenol	87-86-5	860	< 860
Phenol	108-95-2	86	< 86
2,4,5-Trichlorophenol	95-95-4	172	< 172
2,4,6-Trichlorophenol	88-06-2	172	< 172

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	36	23 - 120
2-Fluorobiphenyl	100 ug	36	30 - 115
P-Terphenyl-d_{14}	100 ug	42	18 - 137
Phenol-d_5	200 ug	33	24 - 113
2-Fluorophenol	200 ug	28	25 - 121
2,4,6-Tribromophenol	200 ug	42	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: ~~D31~~ D30	Alden Sample Number: 8613A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	106	< 106
Acenaphthylene	208-96-8	106	< 106
Aniline	62-53-3	106	< 106
Anthracene	120-12-7	106	< 106
Azobenzene	103-33-3	106	< 106
Benzo(a)anthracene	56-55-3	106	< 106
Benzo(b)fluoranthene	205-99-2	212	< 212
Benzo(k)fluoranthene	207-08-9	212	< 212
Benzo(a)pyrene	50-32-8	212	< 212
Benzo(g,h,i)perylene	191-24-2	212	< 212
Benzyl alcohol	100-51-6	106	< 106
Benzyl butyl phthalate	85-68-7	106	< 106
bis(2-Chloroethyl) ether	111-44-4	106	< 106
bis(2-Chloroethoxy) methane	111-91-1	106	< 106
bis(2-Ethylhexyl) phthalate	117-81-7	106	< 106
bis(2-Chloroisopropyl) ether	108-60-1	106	< 106
4-Bromophenyl phenyl ether	101-55-3	212	< 212
4-Chloroaniline	106-47-8	212	< 212
2-Chloronaphthalene	91-58-7	106	< 106
4-Chlorophenyl phenyl ether	7005-72-3	106	< 106
Chrysene	218-01-9	106	< 106
Dibenzo(a,h)anthracene	53-70-3	212	< 212
Dibenzofuran	132-64-9	106	< 106
Di-n-butyl phthalate	84-74-2	106	< 106
1,3-Dichlorobenzene	541-73-1	106	< 106
1,2-Dichlorobenzene	95-50-1	106	< 106
1,4-Dichlorobenzene	106-46-7	106	< 106
3,3'-Dichlorobenzidine	91-94-1	1060	< 1060
Diethyl phthalate	84-66-2	212	< 212
Dimethyl phthalate	131-11-3	106	< 106
2,4-Dinitrotoluene	121-14-2	106	< 106
2,6-Dinitrotoluene	606-20-2	106	< 106
Di-n-octyl phthalate	117-84-0	212	< 212
Fluoranthene	206-44-0	106	< 106
Fluorene	86-73-7	106	< 106
Hexachlorobenzene	118-74-1	212	< 212
Hexachlorobutadiene	87-68-3	106	< 106
Hexachlorocyclopentadiene	77-47-4	530	< 530
Hexachloroethane	67-72-1	212	< 212

Alden Analytical
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REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech D36
Client Sample Number: D31 TD
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/4/91
Date of Sample Analysis: 10/28/91

Alden Job Number: 9110001/1
Alden Sample Number: 8613A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	212	< 212
Isophorone	78-59-1	106	< 106
2-Methylnaphthalene	91-57-6	106	< 106
Naphthalene	91-20-3	106	< 106
2-Nitroaniline	88-74-4	212	< 212
3-Nitroaniline	99-09-2	212	< 212
4-Nitroaniline	100-01-6	212	< 212
Nitrobenzene	98-95-3	106	< 106
N-Nitrosodiphenylamine	86-30-6	106	< 106
N-Nitrosodi-n-propylamine	621-64-7	106	< 106
Phenanthrene	85-01-8	106	< 106
Pyrene	129-00-0	106	< 106
1,2,4-Trichlorobenzene	120-82-1	212	< 212
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2120	< 2120
4-Chloro-3-methylphenol	59-50-7	212	< 212
2-Chlorophenol	95-57-8	106	< 106
2,4-Dichlorophenol	120-83-2	212	< 212
2,4-Dimethylphenol	105-67-9	106	< 106
2,4-Dinitrophenol	51-28-5	1060	< 1060
2-Methylphenol	95-48-7	212	< 212
2-Methyl-4,6-dinitrophenol	534-52-1	1060	< 1060
4-Methylphenol	106-44-5	212	< 212
2-Nitrophenol	88-75-5	212	< 212
4-Nitrophenol	100-02-7	1060	< 1060
Pentachlorophenol	87-86-5	1060	< 1060
Phenol	108-95-2	106	< 106
2,4,5-Trichlorophenol	95-95-4	212	< 212
2,4,6-Trichlorophenol	88-06-2	212	< 212

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	44	23 - 120
2-Fluorobiphenyl	100 ug	44	30 - 115
P-Terphenyl-d_{14}	100 ug	41	18 - 137
Phenol-d_5	200 ug	42	24 - 113
2-Fluorophenol	200 ug	36	25 - 121
2,4,6-Tribromophenol	200 ug	42	19 - 122

Alden Analytical
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REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D29
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/4/91
Date of Sample Analysis: 10/28/91

Alden Job Number: 9110001/1
Alden Sample Number: 8614A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	44	< 44
Acenaphthylene	208-96-8	44	< 44
Aniline	62-53-3	44	< 44
Anthracene	120-12-7	44	< 44
Azobenzene	103-33-3	44	< 44
Benzo(a)anthracene	56-55-3	44	< 44
Benzo(b)fluoranthene	205-99-2	88	< 88
Benzo(k)fluoranthene	207-08-9	88	< 88
Benzo(a)pyrene	50-32-8	88	< 88
Benzo(g,h,i)perylene	191-24-2	88	< 88
Benzyl alcohol	100-51-6	44	< 44
Benzyl butyl phthalate	85-68-7	44	< 44
bis(2-Chloroethyl) ether	111-44-4	44	< 44
bis(2-Chloroethoxy) methane	111-91-1	44	< 44
bis(2-Ethylhexyl) phthalate	117-81-7	44	< 44
bis(2-Chloroisopropyl) ether	108-60-1	44	< 44
4-Bromophenyl phenyl ether	101-55-3	88	< 88
4-Chloroaniline	106-47-8	88	< 88
2-Chloronaphthalene	91-58-7	44	< 44
4-Chlorophenyl phenyl ether	7005-72-3	44	< 44
Chrysene	218-01-9	44	< 44
Dibenzo(a,h)anthracene	53-70-3	88	< 88
Dibenzofuran	132-64-9	44	< 44
Di-n-butyl phthalate	84-74-2	44	< 44
1,3-Dichlorobenzene	541-73-1	44	< 44
1,2-Dichlorobenzene	95-50-1	44	< 44
1,4-Dichlorobenzene	106-46-7	44	< 44
3,3'-Dichlorobenzidine	91-94-1	440	< 440
Diethyl phthalate	84-66-2	88	< 88
Dimethyl phthalate	131-11-3	44	< 44
2,4-Dinitrotoluene	121-14-2	44	< 44
2,6-Dinitrotoluene	606-20-2	44	< 44
Di-n-octyl phthalate	117-84-0	88	< 88
Fluoranthene	206-44-0	44	< 44
Fluorene	86-73-7	44	< 44
Hexachlorobenzene	118-74-1	88	< 88
Hexachlorobutadiene	87-68-3	44	< 44
Hexachlorocyclopentadiene	77-47-4	220	< 220
Hexachloroethane	67-72-1	88	< 88

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D29	Alden Sample Number: 8614A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	88	< 88
Isophorone	78-59-1	44	< 44
2-Methylnaphthalene	91-57-6	44	< 44
Naphthalene	91-20-3	44	< 44
2-Nitroaniline	88-74-4	88	< 88
3-Nitroaniline	99-09-2	88	< 88
4-Nitroaniline	100-01-6	88	< 88
Nitrobenzene	98-95-3	44	< 44
N-Nitrosodiphenylamine	86-30-6	44	< 44
N-Nitrosodi-n-propylamine	621-64-7	44	< 44
Phenanthrene	85-01-8	44	< 44
Pyrene	129-00-0	44	< 44
1,2,4-Trichlorobenzene	120-82-1	88	< 88
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	880	< 880
4-Chloro-3-methylphenol	59-50-7	88	< 88
2-Chlorophenol	95-57-8	44	< 44
2,4-Dichlorophenol	120-83-2	88	< 88
2,4-Dimethylphenol	105-67-9	44	< 44
2,4-Dinitrophenol	51-28-5	440	< 440
2-Methylphenol	95-48-7	88	< 88
2-Methyl-4,6-dinitrophenol	534-52-1	440	< 440
4-Methylphenol	106-44-5	88	< 88
2-Nitrophenol	88-75-5	88	< 88
4-Nitrophenol	100-02-7	440	< 440
Pentachlorophenol	87-86-5	440	< 440
Phenol	108-95-2	44	< 44
2,4,5-Trichlorophenol	95-95-4	88	< 88
2,4,6-Trichlorophenol	88-06-2	88	< 88

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	73	23 - 120
2-Fluorobiphenyl	100 ug	76	30 - 115
P-Terphenyl-d_{14}	100 ug	79	18 - 137
Phenol-d_5	200 ug	77	24 - 113
2-Fluorophenol	200 ug	67	25 - 121
2,4,6-Tribromophenol	200 ug	94	19 - 122

Alden Analytical
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REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: E11	Alden Sample Number: 8616A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	96	< 96
Acenaphthylene	208-96-8	96	< 96
Aniline	62-53-3	96	< 96
Anthracene	120-12-7	96	< 96
Azobenzene	103-33-3	96	< 96
Benzo(a)anthracene	56-55-3	96	< 96
Benzo(b)fluoranthene	205-99-2	192	< 192
Benzo(k)fluoranthene	207-08-9	192	< 192
Benzo(a)pyrene	50-32-8	192	< 192
Benzo(g,h,i)perylene	191-24-2	192	< 192
Benzyl alcohol	100-51-6	96	< 96
Benzyl butyl phthalate	85-68-7	96	< 96
bis(2-Chloroethyl) ether	111-44-4	96	< 96
bis(2-Chloroethoxy) methane	111-91-1	96	< 96
bis(2-Ethylhexyl) phthalate	117-81-7	96	490 ✓
bis(2-Chloroisopropyl) ether	108-60-1	96	< 96
4-Bromophenyl phenyl ether	101-55-3	192	< 192
4-Chloroaniline	106-47-8	192	< 192
2-Chloronaphthalene	91-58-7	96	< 96
4-Chlorophenyl phenyl ether	7005-72-3	96	< 96
Chrysene	218-01-9	96	< 96
Dibenzo(a,h)anthracene	53-70-3	192	< 192
Dibenzofuran	132-64-9	96	< 96
Di-n-butyl phthalate	84-74-2	96	< 96
1,3-Dichlorobenzene	541-73-1	96	< 96
1,2-Dichlorobenzene	95-50-1	96	< 96
1,4-Dichlorobenzene	106-46-7	96	< 96
3,3'-Dichlorobenzidine	91-94-1	960	< 960
Diethyl phthalate	84-66-2	192	< 192
Dimethyl phthalate	131-11-3	96	< 96
2,4-Dinitrotoluene	121-14-2	96	< 96
2,6-Dinitrotoluene	606-20-2	96	< 96
Di-n-octyl phthalate	117-84-0	192	< 192
Fluoranthene	206-44-0	96	< 96
Fluorene	86-73-7	96	< 96
Hexachlorobenzene	118-74-1	192	< 192
Hexachlorobutadiene	87-68-3	96	< 96
Hexachlorocyclopentadiene	77-47-4	480	< 480
Hexachloroethane	67-72-1	192	< 192

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: E11	Alden Sample Number: 8616A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	192	< 192
Isophorone	78-59-1	96	< 96
2-Methylnaphthalene	91-57-6	96	< 96
Naphthalene	91-20-3	96	< 96
2-Nitroaniline	88-74-4	192	< 192
3-Nitroaniline	99-09-2	192	< 192
4-Nitroaniline	100-01-6	192	< 192
Nitrobenzene	98-95-3	96	< 96
N-Nitrosodiphenylamine	86-30-6	96	< 96
N-Nitrosodi-n-propylamine	621-64-7	96	< 96
Phenanthrene	85-01-8	96	< 96
Pyrene	129-00-0	96	< 96
1,2,4-Trichlorobenzene	120-82-1	192	< 192
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1920	< 1920
4-Chloro-3-methylphenol	59-50-7	192	< 192
2-Chlorophenol	95-57-8	96	< 96
2,4-Dichlorophenol	120-83-2	192	< 192
2,4-Dimethylphenol	105-67-9	96	< 96
2,4-Dinitrophenol	51-28-5	960	< 960
2-Methylphenol	95-48-7	192	< 192
2-Methyl-4,6-dinitrophenol	534-52-1	960	< 960
4-Methylphenol	106-44-5	192	< 192
2-Nitrophenol	88-75-5	192	< 192
4-Nitrophenol	100-02-7	960	< 960
Pentachlorophenol	87-86-5	960	< 960
Phenol	108-95-2	96	< 96
2,4,5-Trichlorophenol	95-95-4	192	< 192
2,4,6-Trichlorophenol	88-06-2	192	< 192

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	85	23 - 120
2-Fluorobiphenyl	100 ug	92	30 - 115
P-Terphenyl-d_{14}	100 ug	88	18 - 137
Phenol-d_5	200 ug	90	24 - 113
2-Fluorophenol	200 ug	69	25 - 121
2,4,6-Tribromophenol	200 ug	98	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D32	Alden Sample Number: 8618A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	44	< 44
Acenaphthylene	208-96-8	44	< 44
Aniline	62-53-3	44	< 44
Anthracene	120-12-7	44	< 44
Azobenzene	103-33-3	44	< 44
Benzo(a)anthracene	56-55-3	44	< 44
Benzo(b)fluoranthene	205-99-2	88	< 88
Benzo(k)fluoranthene	207-08-9	88	< 88
Benzo(a)pyrene	50-32-8	88	< 88
Benzo(g,h,i)perylene	191-24-2	88	< 88
Benzyl alcohol	100-51-6	44	< 44
Benzyl butyl phthalate	85-68-7	44	< 44
bis(2-Chloroethyl) ether	111-44-4	44	< 44
bis(2-Chloroethoxy) methane	111-91-1	44	< 44
bis(2-Ethylhexyl) phthalate	117-81-7	44	58 ✓
bis(2-Chloroisopropyl) ether	108-60-1	44	< 44
4-Bromophenyl phenyl ether	101-55-3	88	< 88
4-Chloroaniline	106-47-8	88	< 88
2-Chloronaphthalene	91-58-7	44	< 44
4-Chlorophenyl phenyl ether	7005-72-3	44	< 44
Chrysene	218-01-9	44	48 ✓
Dibenzo(a,h)anthracene	53-70-3	88	< 88
Dibenzofuran	132-64-9	44	< 44
Di-n-butyl phthalate	84-74-2	44	< 44
1,3-Dichlorobenzene	541-73-1	44	< 44
1,2-Dichlorobenzene	95-50-1	44	< 44
1,4-Dichlorobenzene	106-46-7	44	< 44
3,3'-Dichlorobenzidine	91-94-1	440	< 440
Diethyl phthalate	84-66-2	88	< 88
Dimethyl phthalate	131-11-3	44	< 44
2,4-Dinitrotoluene	121-14-2	44	< 44
2,6-Dinitrotoluene	606-20-2	44	< 44
Di-n-octyl phthalate	117-84-0	88	< 88
Fluoranthene	206-44-0	44	72 ✓
Fluorene	86-73-7	44	< 44
Hexachlorobenzene	118-74-1	88	< 88
Hexachlorobutadiene	87-68-3	44	< 44
Hexachlorocyclopentadiene	77-47-4	220	< 220
Hexachloroethane	67-72-1	88	< 88

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D32	Alden Sample Number: 8618A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result	
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)				
Indeno(1,2,3-c,d)pyrene	193-39-5	88	< 88	
Isophorone	78-59-1	44	< 44	
2-Methylnaphthalene	91-57-6	44	< 44	
Naphthalene	91-20-3	44	< 44	
2-Nitroaniline	88-74-4	88	< 88	
3-Nitroaniline	99-09-2	88	< 88	
4-Nitroaniline	100-01-6	88	< 88	
Nitrobenzene	98-95-3	44	< 44	
N-Nitrosodiphenylamine	86-30-6	44	< 44	
N-Nitrosodi-n-propylamine	621-64-7	44	< 44	
Phenanthrene	85-01-8	44	48	✓
Pyrene	129-00-0	44	110	✓
1,2,4-Trichlorobenzene	120-82-1	88	< 88	
ACID EXTRACTABLE COMPOUNDS				
Benzoic acid	65-85-0	880	< 880	
4-Chloro-3-methylphenol	59-50-7	88	< 88	
2-Chlorophenol	95-57-8	44	< 44	
2,4-Dichlorophenol	120-83-2	88	< 88	
2,4-Dimethylphenol	105-67-9	44	< 44	
2,4-Dinitrophenol	51-28-5	440	< 440	
2-Methylphenol	95-48-7	88	< 88	
2-Methyl-4,6-dinitrophenol	534-52-1	440	< 440	
4-Methylphenol	106-44-5	88	< 88	
2-Nitrophenol	88-75-5	88	< 88	
4-Nitrophenol	100-02-7	440	< 440	
Pentachlorophenol	87-86-5	440	< 440	
Phenol	108-95-2	44	< 44	
2,4,5-Trichlorophenol	95-95-4	88	< 88	
2,4,6-Trichlorophenol	88-06-2	88	< 88	

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	71	23 - 120
2-Fluorobiphenyl	100 ug	75	30 - 115
P-Terphenyl-d_{14}	100 ug	79	18 - 137
Phenol-d_5	200 ug	76	24 - 113
2-Fluorophenol	200 ug	66	25 - 121
2,4,6-Tribromophenol	200 ug	90	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: E9	Alden Sample Number: 8620A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result	
BASE/NEUTRAL EXTRACTABLE COMPOUNDS				
Acenaphthene	83-32-9	54	< 54	
Acenaphthylene	208-96-8	54	< 54	
Aniline	62-53-3	54	< 54	
Anthracene	120-12-7	54	< 54	
Azobenzene	103-33-3	54	< 54	
Benzo(a)anthracene	56-55-3	54	65	✓
Benzo(b)fluoranthene	205-99-2	108	63*	
Benzo(k)fluoranthene	207-08-9	108	< 108	
Benzo(a)pyrene	50-32-8	108	100*	
Benzo(g,h,i)perylene	191-24-2	108	78*	
Benzyl alcohol	100-51-6	54	< 54	
Benzyl butyl phthalate	85-68-7	54	< 54	
bis(2-Chloroethyl) ether	111-44-4	54	< 54	
bis(2-Chloroethoxy) methane	111-91-1	54	< 54	
bis(2-Ethylhexyl) phthalate	117-81-7	54	210	✓
bis(2-Chloroisopropyl) ether	108-60-1	54	< 54	
4-Bromophenyl phenyl ether	101-55-3	108	< 108	
4-Chloroaniline	106-47-8	108	< 108	
2-Chloronaphthalene	91-58-7	54	< 54	
4-Chlorophenyl phenyl ether	7005-72-3	54	< 54	
Chrysene	218-01-9	54	(99)	✓
Dibenzo(a,h)anthracene	53-70-3	108	< 108	
Dibenzofuran	132-64-9	54	< 54	
Di-n-butyl phthalate	84-74-2	54	< 54	
1,3-Dichlorobenzene	541-73-1	54	< 54	
1,2-Dichlorobenzene	95-50-1	54	< 54	
1,4-Dichlorobenzene	106-46-7	54	< 54	
3,3'-Dichlorobenzidine	91-94-1	540	< 540	
Diethyl phthalate	84-66-2	108	< 108	
Dimethyl phthalate	131-11-3	54	< 54	
2,4-Dinitrotoluene	121-14-2	54	< 54	
2,6-Dinitrotoluene	606-20-2	54	< 54	
Di-n-octyl phthalate	117-84-0	108	< 108	
Fluoranthene	206-44-0	54	(88)	✓
Fluorene	86-73-7	54	< 54	
Hexachlorobenzene	118-74-1	108	< 108	
Hexachlorobutadiene	87-68-3	54	< 54	
Hexachlorocyclopentadiene	77-47-4	270	< 270	
Hexachloroethane	67-72-1	108	< 108	

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: E9	Alden Sample Number: 8620A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	108	62*
Isophorone	78-59-1	54	< 54
2-Methylnaphthalene	91-57-6	54	< 54
Naphthalene	91-20-3	54	< 54
2-Nitroaniline	88-74-4	108	< 108
3-Nitroaniline	99-09-2	108	< 108
4-Nitroaniline	100-01-6	108	< 108
Nitrobenzene	98-95-3	54	< 54
N-Nitrosodiphenylamine	86-30-6	54	< 54
N-Nitrosodi-n-propylamine	621-64-7	54	< 54
Phenanthrene	85-01-8	54	80
Pyrene	129-00-0	54	130
1,2,4-Trichlorobenzene	120-82-1	108	< 108
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1080	< 1080
4-Chloro-3-methylphenol	59-50-7	108	< 108
2-Chlorophenol	95-57-8	54	< 54
2,4-Dichlorophenol	120-83-2	108	< 108
2,4-Dimethylphenol	105-67-9	54	< 54
2,4-Dinitrophenol	51-28-5	540	< 540
2-Methylphenol	95-48-7	108	< 108
2-Methyl-4,6-dinitrophenol	534-52-1	540	< 540
4-Methylphenol	106-44-5	108	< 108
2-Nitrophenol	88-75-5	108	< 108
4-Nitrophenol	100-02-7	540	< 540
Pentachlorophenol	87-86-5	540	< 540
Phenol	108-95-2	54	< 54
2,4,5-Trichlorophenol	95-95-4	108	< 108
2,4,6-Trichlorophenol	88-06-2	108	< 108

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	65	23 - 120
2-Fluorobiphenyl	100 ug	74	30 - 115
P-Terphenyl-d_{14}	100 ug	67	18 - 137
Phenol-d_5	200 ug	73	24 - 113
2-Fluorophenol	200 ug	61	25 - 121
2,4,6-Tribromophenol	200 ug	86	19 - 122

* Value reported as an estimate, concentration below reporting limit.

ULTS

Alden Job Number: 9110001/1
Alden Sample Number: 8621A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Limit	Result
	< 134
	< 134
	< 134
	< 134
	< 134
	180
	170*
	210*
	260*
	200*
	< 134
	< 134
	< 134
	< 134
	420
	< 134
	< 268
	< 268
	< 134
	< 134
	280
	< 268
	< 134
	< 134
	< 134
	< 134
	< 134
	< 134
	< 1340
	< 268
	< 134
	< 134
	< 134
	< 268
	250
	< 134
	< 268
	< 134
	< 670
	< 268

RT OF ANALYTICAL RESULTS

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Alden Job Number: 9110001/1
Alden Sample Number: 8621A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

	CAS No.	Reporting Limit	Result
MPOUNDS (CONTINUED)			
	193-39-5	268	170*
	78-59-1	134	< 134
	91-57-6	134	< 134
	91-20-3	134	< 134
	88-74-4	268	< 268
	99-09-2	268	< 268
	100-01-6	268	< 268
	98-95-3	134	< 134
	86-30-6	134	< 134
	621-64-7	134	< 134
	85-01-8	134	210
	129-00-0	134	420
	120-82-1	268	< 268
	65-85-0	2680	< 2680
	59-50-7	268	< 268
	95-57-8	134	< 134
	120-83-2	268	< 268
	105-67-9	134	< 134
	51-28-5	1340	< 1340
	95-48-7	268	< 268
	534-52-1	1340	< 1340
	106-44-5	268	< 268
	88-75-5	268	< 268
	100-02-7	1340	< 1340
	87-86-5	1340	< 1340
	108-95-2	134	< 134
	95-95-4	268	< 268
	88-06-2	268	< 268

	Amount Added	Percent Recovery	Recovery Limits
	100 ug	56	23 - 120
l	100 ug	75	30 - 115
	100 ug	65	18 - 137
	200 ug	63	24 - 113
	200 ug	47	25 - 121
ienol	200 ug	80	19 - 122

ncentration below reporting limit.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D27
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/4/91
Date of Sample Analysis: 10/28/91

Alden Job Number: 9110001/1
Alden Sample Number: 8622A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	88	< 88
Acenaphthylene	208-96-8	88	< 88
Aniline	62-53-3	88	< 88
Anthracene	120-12-7	88	< 88
Azobenzene	103-33-3	88	< 88
Benzo(a)anthracene	56-55-3	88	< 88
Benzo(b)fluoranthene	205-99-2	176	< 176
Benzo(k)fluoranthene	207-08-9	176	< 176
Benzo(a)pyrene	50-32-8	176	< 176
Benzo(g,h,i)perylene	191-24-2	176	< 176
Benzyl alcohol	100-51-6	88	< 88
Benzyl butyl phthalate	85-68-7	88	< 88
bis(2-Chloroethyl) ether	111-44-4	88	< 88
bis(2-Chloroethoxy) methane	111-91-1	88	< 88
bis(2-Ethylhexyl) phthalate	117-81-7	88	< 88
bis(2-Chloroisopropyl) ether	108-60-1	88	< 88
4-Bromophenyl phenyl ether	101-55-3	176	< 176
4-Chloroaniline	106-47-8	176	< 176
2-Chloronaphthalene	91-58-7	88	< 88
4-Chlorophenyl phenyl ether	7005-72-3	88	< 88
Chrysene	218-01-9	88	< 88
Dibenzo(a,h)anthracene	53-70-3	176	< 176
Dibenzofuran	132-64-9	88	< 88
Di-n-butyl phthalate	84-74-2	88	< 88
1,3-Dichlorobenzene	541-73-1	88	< 88
1,2-Dichlorobenzene	95-50-1	88	< 88
1,4-Dichlorobenzene	106-46-7	88	< 88
3,3'-Dichlorobenzidine	91-94-1	880	< 880
Diethyl phthalate	84-66-2	176	< 176
Dimethyl phthalate	131-11-3	88	< 88
2,4-Dinitrotoluene	121-14-2	88	< 88
2,6-Dinitrotoluene	606-20-2	88	< 88
Di-n-octyl phthalate	117-84-0	176	< 176
Fluoranthene	206-44-0	88	< 88
Fluorene	86-73-7	88	< 88
Hexachlorobenzene	118-74-1	176	< 176
Hexachlorobutadiene	87-68-3	88	< 88
Hexachlorocyclopentadiene	77-47-4	440	< 440
Hexachloroethane	67-72-1	176	< 176

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D27
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/4/91
Date of Sample Analysis: 10/28/91

Alden Job Number: 9110001/1
Alden Sample Number: 8622A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	176	< 176
Isophorone	78-59-1	88	< 88
2-Methylnaphthalene	91-57-6	88	< 88
Naphthalene	91-20-3	88	< 88
2-Nitroaniline	88-74-4	176	< 176
3-Nitroaniline	99-09-2	176	< 176
4-Nitroaniline	100-01-6	176	< 176
Nitrobenzene	98-95-3	88	< 88
N-Nitrosodiphenylamine	86-30-6	88	< 88
N-Nitrosodi-n-propylamine	621-64-7	88	< 88
Phenanthrene	85-01-8	88	< 88
Pyrene	129-00-0	88	< 88
1,2,4-Trichlorobenzene	120-82-1	176	< 176
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1760	< 1760
4-Chloro-3-methylphenol	59-50-7	176	< 176
2-Chlorophenol	95-57-8	88	< 88
2,4-Dichlorophenol	120-83-2	176	< 176
2,4-Dimethylphenol	105-67-9	88	< 88
2,4-Dinitrophenol	51-28-5	880	< 880
2-Methylphenol	95-48-7	176	< 176
2-Methyl-4,6-dinitrophenol	534-52-1	880	< 880
4-Methylphenol	106-44-5	176	< 176
2-Nitrophenol	88-75-5	176	< 176
4-Nitrophenol	100-02-7	880	< 880
Pentachlorophenol	87-86-5	880	< 880
Phenol	108-95-2	88	< 88
2,4,5-Trichlorophenol	95-95-4	176	< 176
2,4,6-Trichlorophenol	88-06-2	176	< 176

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	62	23 - 120
2-Fluorobiphenyl	100 ug	77	30 - 115
P-Terphenyl-d_{14}	100 ug	86	18 - 137
Phenol-d_5	200 ug	66	24 - 113
2-Fluorophenol	200 ug	31	25 - 121
2,4,6-Tribromophenol	200 ug	82	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D26	Alden Sample Number: 8623A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	42	< 42
Acenaphthylene	208-96-8	42	< 42
Aniline	62-53-3	42	< 42
Anthracene	120-12-7	42	< 42
Azobenzene	103-33-3	42	< 42
Benzo(a)anthracene	56-55-3	42	< 42
Benzo(b)fluoranthene	205-99-2	84	< 84
Benzo(k)fluoranthene	207-08-9	84	< 84
Benzo(a)pyrene	50-32-8	84	< 84
Benzo(g,h,i)perylene	191-24-2	84	< 84
Benzyl alcohol	100-51-6	42	< 42
Benzyl butyl phthalate	85-68-7	42	< 42
bis(2-Chloroethyl) ether	111-44-4	42	< 42
bis(2-Chloroethoxy) methane	111-91-1	42	< 42
bis(2-Ethylhexyl) phthalate	117-81-7	42	< 42
bis(2-Chloroisopropyl) ether	108-60-1	42	< 42
4-Bromophenyl phenyl ether	101-55-3	84	< 84
4-Chloroaniline	106-47-8	84	< 84
2-Chloronaphthalene	91-58-7	42	< 42
4-Chlorophenyl phenyl ether	7005-72-3	42	< 42
Chrysene	218-01-9	42	< 42
Dibenzo(a,h)anthracene	53-70-3	84	< 84
Dibenzofuran	132-64-9	42	< 42
Di-n-butyl phthalate	84-74-2	42	< 42
1,3-Dichlorobenzene	541-73-1	42	< 42
1,2-Dichlorobenzene	95-50-1	42	< 42
1,4-Dichlorobenzene	106-46-7	42	< 42
3,3'-Dichlorobenzidine	91-94-1	420	< 420
Diethyl phthalate	84-66-2	84	< 84
Dimethyl phthalate	131-11-3	42	< 42
2,4-Dinitrotoluene	121-14-2	42	< 42
2,6-Dinitrotoluene	606-20-2	42	< 42
Di-n-octyl phthalate	117-84-0	84	< 84
Fluoranthene	206-44-0	42	< 42
Fluorene	86-73-7	42	< 42
Hexachlorobenzene	118-74-1	84	< 84
Hexachlorobutadiene	87-68-3	42	< 42
Hexachlorocyclopentadiene	77-47-4	210	< 210
Hexachloroethane	67-72-1	84	< 84

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D26	Alden Sample Number: 8623A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	84	< 84
Isophorone	78-59-1	42	< 42
2-Methylnaphthalene	91-57-6	42	< 42
Naphthalene	91-20-3	42	< 42
2-Nitroaniline	88-74-4	84	< 84
3-Nitroaniline	99-09-2	84	< 84
4-Nitroaniline	100-01-6	84	< 84
Nitrobenzene	98-95-3	42	< 42
N-Nitrosodiphenylamine	86-30-6	42	< 42
N-Nitrosodi-n-propylamine	621-64-7	42	< 42
Phenanthrene	85-01-8	42	< 42
Pyrene	129-00-0	42	< 42
1,2,4-Trichlorobenzene	120-82-1	84	< 84
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	840	< 840
4-Chloro-3-methylphenol	59-50-7	84	< 84
2-Chlorophenol	95-57-8	42	< 42
2,4-Dichlorophenol	120-83-2	84	< 84
2,4-Dimethylphenol	105-67-9	42	< 42
2,4-Dinitrophenol	51-28-5	420	< 420
2-Methylphenol	95-48-7	84	< 84
2-Methyl-4,6-dinitrophenol	534-52-1	420	< 420
4-Methylphenol	106-44-5	84	< 84
2-Nitrophenol	88-75-5	84	< 84
4-Nitrophenol	100-02-7	420	< 420
Pentachlorophenol	87-86-5	420	< 420
Phenol	108-95-2	42	< 42
2,4,5-Trichlorophenol	95-95-4	84	< 84
2,4,6-Trichlorophenol	88-06-2	84	< 84

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	62	23 - 120
2-Fluorobiphenyl	100 ug	70	30 - 115
P-Terphenyl-d_{14}	100 ug	69	18 - 137
Phenol-d_5	200 ug	69	24 - 113
2-Fluorophenol	200 ug	56	25 - 121
2,4,6-Tribromophenol	200 ug	76	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D25	Alden Sample Number: 8624A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	50	< 50
Acenaphthylene	208-96-8	50	< 50
Aniline	62-53-3	50	< 50
Anthracene	120-12-7	50	< 50
Azobenzene	103-33-3	50	< 50
Benzo(a)anthracene	56-55-3	50	< 50
Benzo(b)fluoranthene	205-99-2	100	< 100
Benzo(k)fluoranthene	207-08-9	100	< 100
Benzo(a)pyrene	50-32-8	100	< 100
Benzo(g,h,i)perylene	191-24-2	100	< 100
Benzyl alcohol	100-51-6	50	< 50
Benzyl butyl phthalate	85-68-7	50	< 50
bis(2-Chloroethyl) ether	111-44-4	50	< 50
bis(2-Chloroethoxy) methane	111-91-1	50	< 50
bis(2-Ethylhexyl) phthalate	117-81-7	50	< 50
bis(2-Chloroisopropyl) ether	108-60-1	50	< 50
4-Bromophenyl phenyl ether	101-55-3	100	< 100
4-Chloroaniline	106-47-8	100	< 100
2-Chloronaphthalene	91-58-7	50	< 50
4-Chlorophenyl phenyl ether	7005-72-3	50	< 50
Chrysene	218-01-9	50	< 50
Dibenzo(a,h)anthracene	53-70-3	100	< 100
Dibenzofuran	132-64-9	50	< 50
Di-n-butyl phthalate	84-74-2	50	< 50
1,3-Dichlorobenzene	541-73-1	50	< 50
1,2-Dichlorobenzene	95-50-1	50	< 50
1,4-Dichlorobenzene	106-46-7	50	< 50
3,3'-Dichlorobenzidine	91-94-1	500	< 500
Diethyl phthalate	84-66-2	100	< 100
Dimethyl phthalate	131-11-3	50	< 50
2,4-Dinitrotoluene	121-14-2	50	< 50
2,6-Dinitrotoluene	606-20-2	50	< 50
Di-n-octyl phthalate	117-84-0	100	< 100
Fluoranthene	206-44-0	50	< 50
Fluorene	86-73-7	50	< 50
Hexachlorobenzene	118-74-1	100	< 100
Hexachlorobutadiene	87-68-3	50	< 50
Hexachlorocyclopentadiene	77-47-4	250	< 250
Hexachloroethane	67-72-1	100	< 100

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D25
Date of Sample Receipt: 10/2/91
Date of Sample Extraction: 10/4/91
Date of Sample Analysis: 10/28/91

Alden Job Number: 9110001/1
Alden Sample Number: 8624A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	100	< 100
Isophorone	78-59-1	50	< 50
2-Methylnaphthalene	91-57-6	50	< 50
Naphthalene	91-20-3	50	< 50
2-Nitroaniline	88-74-4	100	< 100
3-Nitroaniline	99-09-2	100	< 100
4-Nitroaniline	100-01-6	100	< 100
Nitrobenzene	98-95-3	50	< 50
N-Nitrosodiphenylamine	86-30-6	50	< 50
N-Nitrosodi-n-propylamine	621-64-7	50	< 50
Phenanthrene	85-01-8	50	< 50
Pyrene	129-00-0	50	< 50
1,2,4-Trichlorobenzene	120-82-1	100	< 100
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1000	< 1000
4-Chloro-3-methylphenol	59-50-7	100	< 100
2-Chlorophenol	95-57-8	50	< 50
2,4-Dichlorophenol	120-83-2	100	< 100
2,4-Dimethylphenol	105-67-9	50	< 50
2,4-Dinitrophenol	51-28-5	500	< 500
2-Methylphenol	95-48-7	100	< 100
2-Methyl-4,6-dinitrophenol	534-52-1	500	< 500
4-Methylphenol	106-44-5	100	< 100
2-Nitrophenol	88-75-5	100	< 100
4-Nitrophenol	100-02-7	500	< 500
Pentachlorophenol	87-86-5	500	< 500
Phenol	108-95-2	50	< 50
2,4,5-Trichlorophenol	95-95-4	100	< 100
2,4,6-Trichlorophenol	88-06-2	100	< 100

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	68	23 - 120
2-Fluorobiphenyl	100 ug	73	30 - 115
P-Terphenyl-d_{14}	100 ug	77	18 - 137
Phenol-d_5	200 ug	75	24 - 113
2-Fluorophenol	200 ug	68	25 - 121
2,4,6-Tribromophenol	200 ug	84	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D28	Alden Sample Number: 8627A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	92	< 92
Acenaphthylene	208-96-8	92	< 92
Aniline	62-53-3	92	< 92
Anthracene	120-12-7	92	< 92
Azobenzene	103-33-3	92	< 92
Benzo(a)anthracene	56-55-3	92	< 92
Benzo(b)fluoranthene	205-99-2	184	< 184
Benzo(k)fluoranthene	207-08-9	184	< 184
Benzo(a)pyrene	50-32-8	184	< 184
Benzo(g,h,i)perylene	191-24-2	184	< 184
Benzyl alcohol	100-51-6	92	< 92
Benzyl butyl phthalate	85-68-7	92	< 92
bis(2-Chloroethyl) ether	111-44-4	92	< 92
bis(2-Chloroethoxy) methane	111-91-1	92	< 92
bis(2-Ethylhexyl) phthalate	117-81-7	92	< 92
bis(2-Chloroisopropyl) ether	108-60-1	92	< 92
4-Bromophenyl phenyl ether	101-55-3	184	< 184
4-Chloroaniline	106-47-8	184	< 184
2-Chloronaphthalene	91-58-7	92	< 92
4-Chlorophenyl phenyl ether	7005-72-3	92	< 92
Chrysene	218-01-9	92	< 92
Dibenzo(a,h)anthracene	53-70-3	184	< 184
Dibenzofuran	132-64-9	92	< 92
Di-n-butyl phthalate	84-74-2	92	< 92
1,3-Dichlorobenzene	541-73-1	92	< 92
1,2-Dichlorobenzene	95-50-1	92	< 92
1,4-Dichlorobenzene	106-46-7	92	< 92
3,3'-Dichlorobenzidine	91-94-1	920	< 920
Diethyl phthalate	84-66-2	184	< 184
Dimethyl phthalate	131-11-3	92	< 92
2,4-Dinitrotoluene	121-14-2	92	< 92
2,6-Dinitrotoluene	606-20-2	92	< 92
Di-n-octyl phthalate	117-84-0	184	< 184
Fluoranthene	206-44-0	92	< 92
Fluorene	86-73-7	92	< 92
Hexachlorobenzene	118-74-1	184	< 184
Hexachlorobutadiene	87-68-3	92	< 92
Hexachlorocyclopentadiene	77-47-4	460	< 460
Hexachloroethane	67-72-1	184	< 184

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D28	Alden Sample Number: 8627A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	184	< 184
Isophorone	78-59-1	92	< 92
2-Methylnaphthalene	91-57-6	92	< 92
Naphthalene	91-20-3	92	< 92
2-Nitroaniline	88-74-4	184	< 184
3-Nitroaniline	99-09-2	184	< 184
4-Nitroaniline	100-01-6	184	< 184
Nitrobenzene	98-95-3	92	< 92
N-Nitrosodiphenylamine	86-30-6	92	< 92
N-Nitrosodi-n-propylamine	621-64-7	92	< 92
Phenanthrene	85-01-8	92	< 92
Pyrene	129-00-0	92	< 92
1,2,4-Trichlorobenzene	120-82-1	184	< 184
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1840	< 1840
4-Chloro-3-methylphenol	59-50-7	184	< 184
2-Chlorophenol	95-57-8	92	< 92
2,4-Dichlorophenol	120-83-2	184	< 184
2,4-Dimethylphenol	105-67-9	92	< 92
2,4-Dinitrophenol	51-28-5	920	< 920
2-Methylphenol	95-48-7	184	< 184
2-Methyl-4,6-dinitrophenol	534-52-1	920	< 920
4-Methylphenol	106-44-5	184	< 184
2-Nitrophenol	88-75-5	184	< 184
4-Nitrophenol	100-02-7	920	< 920
Pentachlorophenol	87-86-5	920	< 920
Phenol	108-95-2	92	< 92
2,4,5-Trichlorophenol	95-95-4	184	< 184
2,4,6-Trichlorophenol	88-06-2	184	< 184

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	65	23 - 120
2-Fluorobiphenyl	100 ug	84	30 - 115
P-Terphenyl-d_{14}	100 ug	89	18 - 137
Phenol-d_5	200 ug	72	24 - 113
2-Fluorophenol	200 ug	59	25 - 121
2,4,6-Tribromophenol	200 ug	91	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D42	Alden Sample Number: 8628A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	96	< 96
Acenaphthylene	208-96-8	96	< 96
Aniline	62-53-3	96	< 96
Anthracene	120-12-7	96	< 96
Azobenzene	103-33-3	96	< 96
Benzo(a)anthracene	56-55-3	96	< 96
Benzo(b)fluoranthene	205-99-2	192	< 192
Benzo(k)fluoranthene	207-08-9	192	< 192
Benzo(a)pyrene	50-32-8	192	< 192
Benzo(g,h,i)perylene	191-24-2	192	< 192
Benzyl alcohol	100-51-6	96	< 96
Benzyl butyl phthalate	85-68-7	96	< 96
bis(2-Chloroethyl) ether	111-44-4	96	< 96
bis(2-Chloroethoxy) methane	111-91-1	96	< 96
bis(2-Ethylhexyl) phthalate	117-81-7	96	150
bis(2-Chloroisopropyl) ether	108-60-1	96	< 96
4-Bromophenyl phenyl ether	101-55-3	192	< 192
4-Chloroaniline	106-47-8	192	< 192
2-Chloronaphthalene	91-58-7	96	< 96
4-Chlorophenyl phenyl ether	7005-72-3	96	< 96
Chrysene	218-01-9	96	< 96
Dibenzo(a,h)anthracene	53-70-3	192	< 192
Dibenzofuran	132-64-9	96	< 96
Di-n-butyl phthalate	84-74-2	96	< 96
1,3-Dichlorobenzene	541-73-1	96	< 96
1,2-Dichlorobenzene	95-50-1	96	< 96
1,4-Dichlorobenzene	106-46-7	96	< 96
3,3'-Dichlorobenzidine	91-94-1	960	< 960
Diethyl phthalate	84-66-2	192	< 192
Dimethyl phthalate	131-11-3	96	< 96
2,4-Dinitrotoluene	121-14-2	96	< 96
2,6-Dinitrotoluene	606-20-2	96	< 96
Di-n-octyl phthalate	117-84-0	192	< 192
Fluoranthene	206-44-0	96	< 96
Fluorene	86-73-7	96	< 96
Hexachlorobenzene	118-74-1	192	< 192
Hexachlorobutadiene	87-68-3	96	< 96
Hexachlorocyclopentadiene	77-47-4	480	< 480
Hexachloroethane	67-72-1	192	< 192

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: D42	Alden Sample Number: 8628A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	192	< 192
Isophorone	78-59-1	96	< 96
2-Methylnaphthalene	91-57-6	96	< 96
Naphthalene	91-20-3	96	< 96
2-Nitroaniline	88-74-4	192	< 192
3-Nitroaniline	99-09-2	192	< 192
4-Nitroaniline	100-01-6	192	< 192
Nitrobenzene	98-95-3	96	< 96
N-Nitrosodiphenylamine	86-30-6	96	< 96
N-Nitrosodi-n-propylamine	621-64-7	96	< 96
Phenanthrene	85-01-8	96	< 96
Pyrene	129-00-0	96	< 96
1,2,4-Trichlorobenzene	120-82-1	192	< 192
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1920	< 1920
4-Chloro-3-methylphenol	59-50-7	192	< 192
2-Chlorophenol	95-57-8	96	< 96
2,4-Dichlorophenol	120-83-2	192	< 192
2,4-Dimethylphenol	105-67-9	96	< 96
2,4-Dinitrophenol	51-28-5	960	< 960
2-Methylphenol	95-48-7	192	< 192
2-Methyl-4,6-dinitrophenol	534-52-1	960	< 960
4-Methylphenol	106-44-5	192	< 192
2-Nitrophenol	88-75-5	192	< 192
4-Nitrophenol	100-02-7	960	< 960
Pentachlorophenol	87-86-5	960	< 960
Phenol	108-95-2	96	< 96
2,4,5-Trichlorophenol	95-95-4	192	< 192
2,4,6-Trichlorophenol	88-06-2	192	< 192

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	72	23 - 120
2-Fluorobiphenyl	100 ug	86	30 - 115
P-Terphenyl-d_{14}	100 ug	90	18 - 137
Phenol-d_5	200 ug	78	24 - 113
2-Fluorophenol	200 ug	65	25 - 121
2,4,6-Tribromophenol	200 ug	89	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: E10	Alden Sample Number: 8629A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	44	< 44
Acenaphthylene	208-96-8	44	< 44
Aniline	62-53-3	44	< 44
Anthracene	120-12-7	44	< 44
Azobenzene	103-33-3	44	< 44
Benzo(a)anthracene	56-55-3	44	< 44
Benzo(b)fluoranthene	205-99-2	88	< 88
Benzo(k)fluoranthene	207-08-9	88	< 88
Benzo(a)pyrene	50-32-8	88	< 88
Benzo(g,h,i)perylene	191-24-2	88	< 88
Benzyl alcohol	100-51-6	44	< 44
Benzyl butyl phthalate	85-68-7	44	< 44
bis(2-Chloroethyl) ether	111-44-4	44	< 44
bis(2-Chloroethoxy) methane	111-91-1	44	< 44
bis(2-Ethylhexyl) phthalate	117-81-7	44	790
bis(2-Chloroisopropyl) ether	108-60-1	44	< 44
4-Bromophenyl phenyl ether	101-55-3	88	< 88
4-Chloroaniline	106-47-8	88	< 88
2-Chloronaphthalene	91-58-7	44	< 44
4-Chlorophenyl phenyl ether	7005-72-3	44	< 44
Chrysene	218-01-9	44	< 44
Dibenzo(a,h)anthracene	53-70-3	88	< 88
Dibenzofuran	132-64-9	44	< 44
Di-n-butyl phthalate	84-74-2	44	< 44
1,3-Dichlorobenzene	541-73-1	44	< 44
1,2-Dichlorobenzene	95-50-1	44	< 44
1,4-Dichlorobenzene	106-46-7	44	< 44
3,3'-Dichlorobenzidine	91-94-1	440	< 440
Diethyl phthalate	84-66-2	88	< 88
Dimethyl phthalate	131-11-3	44	< 44
2,4-Dinitrotoluene	121-14-2	44	< 44
2,6-Dinitrotoluene	606-20-2	44	< 44
Di-n-octyl phthalate	117-84-0	88	< 88
Fluoranthene	206-44-0	44	< 44
Fluorene	86-73-7	44	< 44
Hexachlorobenzene	118-74-1	88	< 88
Hexachlorobutadiene	87-68-3	44	< 44
Hexachlorocyclopentadiene	77-47-4	220	< 220
Hexachloroethane	67-72-1	88	< 88

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D43
Date of Sample Receipt: 10/7/91
Date of Sample Extraction: 10/14/91
Date of Sample Analysis: 10/29/91

Alden Job Number: 9110010/1
Alden Sample Number: 8677A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	208	< 208
Isophorone	78-59-1	104	< 104
2-Methylnaphthalene	91-57-6	104	< 104
Naphthalene	91-20-3	104	< 104
2-Nitroaniline	88-74-4	208	< 208
3-Nitroaniline	99-09-2	208	< 208
4-Nitroaniline	100-01-6	208	< 208
Nitrobenzene	98-95-3	104	< 104
N-Nitrosodiphenylamine	86-30-6	104	< 104
N-Nitrosodi-n-propylamine	621-64-7	104	< 104
Phenanthrene	85-01-8	104	< 104
Pyrene	129-00-0	104	< 104
1,2,4-Trichlorobenzene	120-82-1	208	< 208
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2080	< 2080
4-Chloro-3-methylphenol	59-50-7	208	< 208
2-Chlorophenol	95-57-8	104	< 104
2,4-Dichlorophenol	120-83-2	208	< 208
2,4-Dimethylphenol	105-67-9	104	< 104
2,4-Dinitrophenol	51-28-5	1040	< 1040
2-Methylphenol	95-48-7	208	< 208
2-Methyl-4,6-dinitrophenol	534-52-1	1040	< 1040
4-Methylphenol	106-44-5	208	< 208
2-Nitrophenol	88-75-5	208	< 208
4-Nitrophenol	100-02-7	1040	< 1040
Pentachlorophenol	87-86-5	1040	< 1040
Phenol	108-95-2	104	< 104
2,4,5-Trichlorophenol	95-95-4	208	< 208
2,4,6-Trichlorophenol	88-06-2	208	< 208

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	71	23 - 120
2-Fluorobiphenyl	100 ug	81	30 - 115
P-Terphenyl-d_{14}	100 ug	83	18 - 137
Phenol-d_5	200 ug	75	24 - 113
2-Fluorophenol	200 ug	62	25 - 121
2,4,6-Tribromophenol	200 ug	83	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D19	Alden Sample Number: 8680A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result	
BASE/NEUTRAL EXTRACTABLE COMPOUNDS				
Acenaphthene	83-32-9	88	< 88	
Acenaphthylene	208-96-8	88	< 88	
Aniline	62-53-3	88	< 88	
Anthracene	120-12-7	88	< 88	
Azobenzene	103-33-3	88	< 88	
Benzo(a)anthracene	56-55-3	88	< 260	✓
Benzo(b)fluoranthene	205-99-2	176	400	✓
Benzo(k)fluoranthene	207-08-9	176	< 176	
Benzo(a)pyrene	50-32-8	176	250	✓
Benzo(g,h,i)perylene	191-24-2	176	< 176	
Benzyl alcohol	100-51-6	88	< 88	
Benzyl butyl phthalate	85-68-7	88	< 88	
bis(2-Chloroethyl) ether	111-44-4	88	< 88	
bis(2-Chloroethoxy) methane	111-91-1	88	< 88	
bis(2-Ethylhexyl) phthalate	117-81-7	88	< 88	
bis(2-Chloroisopropyl) ether	108-60-1	88	< 88	
4-Bromophenyl phenyl ether	101-55-3	176	< 176	
4-Chloroaniline	106-47-8	176	< 176	
2-Chloronaphthalene	91-58-7	88	< 88	
4-Chlorophenyl phenyl ether	7005-72-3	88	< 88	
Chrysene	218-01-9	88	630	✓
Dibenzo(a,h)anthracene	53-70-3	176	< 176	
Dibenzofuran	132-64-9	88	< 88	
Di-n-butyl phthalate	84-74-2	88	< 88	
1,3-Dichlorobenzene	541-73-1	88	< 88	
1,2-Dichlorobenzene	95-50-1	88	< 88	
1,4-Dichlorobenzene	106-46-7	88	< 88	
3,3'-Dichlorobenzidine	91-94-1	880	< 880	
Diethyl phthalate	84-66-2	176	< 176	
Dimethyl phthalate	131-11-3	88	< 88	
2,4-Dinitrotoluene	121-14-2	88	< 88	
2,6-Dinitrotoluene	606-20-2	88	< 88	
Di-n-octyl phthalate	117-84-0	176	< 176	
Fluoranthene	206-44-0	88	280	✓
Fluorene	86-73-7	88	< 88	
Hexachlorobenzene	118-74-1	176	< 176	
Hexachlorobutadiene	87-68-3	88	< 88	
Hexachlorocyclopentadiene	77-47-4	440	< 440	
Hexachloroethane	67-72-1	176	< 176	

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D19	Alden Sample Number: 8680A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result	
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)				
Indeno(1,2,3-c,d)pyrene	193-39-5	176	140*	
Isophorone	78-59-1	88	< 88	
2-Methylnaphthalene	91-57-6	88	< 88	
Naphthalene	91-20-3	88	< 88	
2-Nitroaniline	88-74-4	176	< 176	
3-Nitroaniline	99-09-2	176	< 176	
4-Nitroaniline	100-01-6	176	< 176	
Nitrobenzene	98-95-3	88	< 88	
N-Nitrosodiphenylamine	86-30-6	88	< 88	
N-Nitrosodi-n-propylamine	621-64-7	88	< 88	
Phenanthrene	85-01-8	88	110	✓
Pyrene	129-00-0	88	360	✓
1,2,4-Trichlorobenzene	120-82-1	176	< 176	
ACID EXTRACTABLE COMPOUNDS				
Benzoic acid	65-85-0	1760	< 1760	
4-Chloro-3-methylphenol	59-50-7	176	< 176	
2-Chlorophenol	95-57-8	88	< 88	
2,4-Dichlorophenol	120-83-2	176	< 176	
2,4-Dimethylphenol	105-67-9	88	< 88	
2,4-Dinitrophenol	51-28-5	880	< 880	
2-Methylphenol	95-48-7	176	< 176	
2-Methyl-4,6-dinitrophenol	534-52-1	880	< 880	
4-Methylphenol	106-44-5	176	< 176	
2-Nitrophenol	88-75-5	176	< 176	
4-Nitrophenol	100-02-7	880	< 880	
Pentachlorophenol	87-86-5	880	< 880	
Phenol	108-95-2	88	< 88	
2,4,5-Trichlorophenol	95-95-4	176	< 176	
2,4,6-Trichlorophenol	88-06-2	176	< 176	

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	31	23 - 120
2-Fluorobiphenyl	100 ug	55	30 - 115
P-Terphenyl-d_{14}	100 ug	76	18 - 137
Phenol-d_5	200 ug	35	24 - 113
2-Fluorophenol	200 ug	27	25 - 121
2,4,6-Tribromophenol	200 ug	40	19 - 122

* Value reported as an estimate, concentration below reporting limit.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D18	Alden Sample Number: 8681A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	92	< 92
Acenaphthylene	208-96-8	92	< 92
Aniline	62-53-3	92	< 92
Anthracene	120-12-7	92	< 92
Azobenzene	103-33-3	92	< 92
Benzo(a)anthracene	56-55-3	92	< 92
Benzo(b)fluoranthene	205-99-2	184	< 184
Benzo(k)fluoranthene	207-08-9	184	< 184
Benzo(a)pyrene	50-32-8	184	< 184
Benzo(g,h,i)perylene	191-24-2	184	< 184
Benzyl alcohol	100-51-6	92	< 92
Benzyl butyl phthalate	85-68-7	92	< 92
bis(2-Chloroethyl) ether	111-44-4	92	< 92
bis(2-Chloroethoxy) methane	111-91-1	92	< 92
bis(2-Ethylhexyl) phthalate	117-81-7	92	< 92
bis(2-Chloroisopropyl) ether	108-60-1	92	< 92
4-Bromophenyl phenyl ether	101-55-3	184	< 184
4-Chloroaniline	106-47-8	184	< 184
2-Chloronaphthalene	91-58-7	92	< 92
4-Chlorophenyl phenyl ether	7005-72-3	92	< 92
Chrysene	218-01-9	92	< 92
Dibenzo(a,h)anthracene	53-70-3	184	< 184
Dibenzofuran	132-64-9	92	< 92
Di-n-butyl phthalate	84-74-2	92	< 92
1,3-Dichlorobenzene	541-73-1	92	< 92
1,2-Dichlorobenzene	95-50-1	92	< 92
1,4-Dichlorobenzene	106-46-7	92	< 92
3,3'-Dichlorobenzidine	91-94-1	920	< 920
Diethyl phthalate	84-66-2	184	< 184
Dimethyl phthalate	131-11-3	92	< 92
2,4-Dinitrotoluene	121-14-2	92	< 92
2,6-Dinitrotoluene	606-20-2	92	< 92
Di-n-octyl phthalate	117-84-0	184	< 184
Fluoranthene	206-44-0	92	< 92
Fluorene	86-73-7	92	< 92
Hexachlorobenzene	118-74-1	184	< 184
Hexachlorobutadiene	87-68-3	92	< 92
Hexachlorocyclopentadiene	77-47-4	460	< 460
Hexachloroethane	67-72-1	184	< 184

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D18	Alden Sample Number: 8681A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA'8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	184	< 184
Isophorone	78-59-1	92	< 92
2-Methylnaphthalene	91-57-6	92	< 92
Naphthalene	91-20-3	92	< 92
2-Nitroaniline	88-74-4	184	< 184
3-Nitroaniline	99-09-2	184	< 184
4-Nitroaniline	100-01-6	184	< 184
Nitrobenzene	98-95-3	92	< 92
N-Nitrosodiphenylamine	86-30-6	92	< 92
N-Nitrosodi-n-propylamine	621-64-7	92	< 92
Phenanthrene	85-01-8	92	< 92
Pyrene	129-00-0	92	< 92
1,2,4-Trichlorobenzene	120-82-1	184	< 184
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1840	< 1840
4-Chloro-3-methylphenol	59-50-7	184	< 184
2-Chlorophenol	95-57-8	92	< 92
2,4-Dichlorophenol	120-83-2	184	< 184
2,4-Dimethylphenol	105-67-9	92	< 92
2,4-Dinitrophenol	51-28-5	920	< 920
2-Methylphenol	95-48-7	184	< 184
2-Methyl-4,6-dinitrophenol	534-52-1	920	< 920
4-Methylphenol	106-44-5	184	< 184
2-Nitrophenol	88-75-5	184	< 184
4-Nitrophenol	100-02-7	920	< 920
Pentachlorophenol	87-86-5	920	< 920
Phenol	108-95-2	92	< 92
2,4,5-Trichlorophenol	95-95-4	184	< 184
2,4,6-Trichlorophenol	88-06-2	184	< 184

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	66	23 - 120
2-Fluorobiphenyl	100 ug	79	30 - 115
P-Terphenyl-d_{14}	100 ug	79	18 - 137
Phenol-d_5	200 ug	71	24 - 113
2-Fluorophenol	200 ug	61	25 - 121
2,4,6-Tribromophenol	200 ug	80	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: E7	Alden Sample Number: 8682A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	42	< 42
Acenaphthylene	208-96-8	42	< 42
Aniline	62-53-3	42	< 42
Anthracene	120-12-7	42	< 42
Azobenzene	103-33-3	42	< 42
Benzo(a)anthracene	56-55-3	42	< 42
Benzo(b)fluoranthene	205-99-2	84	< 84
Benzo(k)fluoranthene	207-08-9	84	< 84
Benzo(a)pyrene	50-32-8	84	< 84
Benzo(g,h,i)perylene	191-24-2	84	< 84
Benzyl alcohol	100-51-6	42	< 42
Benzyl butyl phthalate	85-68-7	42	< 42
bis(2-Chloroethyl) ether	111-44-4	42	< 42
bis(2-Chloroethoxy) methane	111-91-1	42	< 42
bis(2-Ethylhexyl) phthalate	117-81-7	42	130 ✓
bis(2-Chloroisopropyl) ether	108-60-1	42	< 42
4-Bromophenyl phenyl ether	101-55-3	84	< 84
4-Chloroaniline	106-47-8	84	< 84
2-Chloronaphthalene	91-58-7	42	< 42
4-Chlorophenyl phenyl ether	7005-72-3	42	< 42
Chrysene	218-01-9	42	< 42
Dibenzo(a,h)anthracene	53-70-3	84	< 84
Dibenzofuran	132-64-9	42	< 42
Di-n-butyl phthalate	84-74-2	42	< 42
1,3-Dichlorobenzene	541-73-1	42	< 42
1,2-Dichlorobenzene	95-50-1	42	< 42
1,4-Dichlorobenzene	106-46-7	42	< 42
3,3'-Dichlorobenzidine	91-94-1	420	< 420
Diethyl phthalate	84-66-2	84	< 84
Dimethyl phthalate	131-11-3	42	< 42
2,4-Dinitrotoluene	121-14-2	42	< 42
2,6-Dinitrotoluene	606-20-2	42	< 42
Di-n-octyl phthalate	117-84-0	84	< 84
Fluoranthene	206-44-0	42	< 42
Fluorene	86-73-7	42	< 42
Hexachlorobenzene	118-74-1	84	< 84
Hexachlorobutadiene	87-68-3	42	< 42
Hexachlorocyclopentadiene	77-47-4	210	< 210
Hexachloroethane	67-72-1	84	< 84

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E7
Date of Sample Receipt: 10/7/91
Date of Sample Extraction: 10/14/91
Date of Sample Analysis: 10/29/91

Alden Job Number: 9110010/1
Alden Sample Number: 8682A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	84	< 84
Isophorone	78-59-1	42	< 42
2-Methylnaphthalene	91-57-6	42	< 42
Naphthalene	91-20-3	42	< 42
2-Nitroaniline	88-74-4	84	< 84
3-Nitroaniline	99-09-2	84	< 84
4-Nitroaniline	100-01-6	84	< 84
Nitrobenzene	98-95-3	42	< 42
N-Nitrosodiphenylamine	86-30-6	42	< 42
N-Nitrosodi-n-propylamine	621-64-7	42	< 42
Phenanthrene	85-01-8	42	< 42
Pyrene	129-00-0	42	< 42
1,2,4-Trichlorobenzene	120-82-1	84	< 84
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	840	< 840
4-Chloro-3-methylphenol	59-50-7	84	< 84
2-Chlorophenol	95-57-8	42	< 42
2,4-Dichlorophenol	120-83-2	84	< 84
2,4-Dimethylphenol	105-67-9	42	< 42
2,4-Dinitrophenol	51-28-5	420	< 420
2-Methylphenol	95-48-7	84	< 84
2-Methyl-4,6-dinitrophenol	534-52-1	420	< 420
4-Methylphenol	106-44-5	84	< 84
2-Nitrophenol	88-75-5	84	< 84
4-Nitrophenol	100-02-7	420	< 420
Pentachlorophenol	87-86-5	420	< 420
Phenol	108-95-2	42	< 42
2,4,5-Trichlorophenol	95-95-4	84	< 84
2,4,6-Trichlorophenol	88-06-2	84	940

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	62	23 - 120
2-Fluorobiphenyl	100 ug	67	30 - 115
P-Terphenyl-d_{14}	100 ug	72	18 - 137
Phenol-d_5	200 ug	31	24 - 113
2-Fluorophenol	200 ug	49	25 - 121
2,4,6-Tribromophenol	200 ug	ND*	19 - 122

* Reanalysis of sample extract yielded similar results.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/14/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	54	< 54
Acenaphthylene	208-96-8	54	< 54
Aniline	62-53-3	54	< 54
Anthracene	120-12-7	54	< 54
Azobenzene	103-33-3	54	< 54
Benzo(a)anthracene	56-55-3	54	< 54
Benzo(b)fluoranthene	205-99-2	108	< 108
Benzo(k)fluoranthene	207-08-9	108	< 108
Benzo(a)pyrene	50-32-8	108	< 108
Benzo(g,h,i)perylene	191-24-2	108	< 108
Benzyl alcohol	100-51-6	54	< 54
Benzyl butyl phthalate	85-68-7	54	< 54
bis(2-Chloroethyl) ether	111-44-4	54	< 54
bis(2-Chloroethoxy) methane	111-91-1	54	< 54
bis(2-Ethylhexyl) phthalate	117-81-7	54	< 54
bis(2-Chloroisopropyl) ether	108-60-1	54	< 54
4-Bromophenyl phenyl ether	101-55-3	108	< 108
4-Chloroaniline	106-47-8	108	< 108
2-Chloronaphthalene	91-58-7	54	< 54
4-Chlorophenyl phenyl ether	7005-72-3	54	< 54
Chrysene	218-01-9	54	< 54
Dibenzo(a,h)anthracene	53-70-3	108	< 108
Dibenzofuran	132-64-9	54	< 54
Di-n-butyl phthalate	84-74-2	54	< 54
1,3-Dichlorobenzene	541-73-1	54	< 54
1,2-Dichlorobenzene	95-50-1	54	< 54
1,4-Dichlorobenzene	106-46-7	54	< 54
3,3'-Dichlorobenzidine	91-94-1	540	< 540
Diethyl phthalate	84-66-2	108	< 108
Dimethyl phthalate	131-11-3	54	< 54
2,4-Dinitrotoluene	121-14-2	54	< 54
2,6-Dinitrotoluene	606-20-2	54	< 54
Di-n-octyl phthalate	117-84-0	108	< 108
Fluoranthene	206-44-0	54	< 54
Fluorene	86-73-7	54	< 54
Hexachlorobenzene	118-74-1	108	< 108
Hexachlorobutadiene	87-68-3	54	< 54
Hexachlorocyclopentadiene	77-47-4	270	< 270
Hexachloroethane	67-72-1	108	< 108

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/14/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	108	< 108
Isophorone	78-59-1	54	< 54
2-Methylnaphthalene	91-57-6	54	< 54
Naphthalene	91-20-3	54	< 54
2-Nitroaniline	88-74-4	108	< 108
3-Nitroaniline	99-09-2	108	< 108
4-Nitroaniline	100-01-6	108	< 108
Nitrobenzene	98-95-3	54	< 54
N-Nitrosodiphenylamine	86-30-6	54	< 54
N-Nitrosodi-n-propylamine	621-64-7	54	< 54
Phenanthrene	85-01-8	54	< 54
Pyrene	129-00-0	54	< 54
1,2,4-Trichlorobenzene	120-82-1	108	< 108
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1080	< 1080
4-Chloro-3-methylphenol	59-50-7	108	< 108
2-Chlorophenol	95-57-8	54	< 54
2,4-Dichlorophenol	120-83-2	108	< 108
2,4-Dimethylphenol	105-67-9	54	< 54
2,4-Dinitrophenol	51-28-5	540	< 540
2-Methylphenol	95-48-7	108	< 108
2-Methyl-4,6-dinitrophenol	534-52-1	540	< 540
4-Methylphenol	106-44-5	108	< 108
2-Nitrophenol	88-75-5	108	< 108
4-Nitrophenol	100-02-7	540	< 540
Pentachlorophenol	87-86-5	540	< 540
Phenol	108-95-2	54	< 54
2,4,5-Trichlorophenol	95-95-4	108	< 108
2,4,6-Trichlorophenol	88-06-2	108	< 108

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	67	23 - 120
2-Fluorobiphenyl	100 ug	60	30 - 115
P-Terphenyl-d_{14}	100 ug	76	18 - 137
Phenol-d_5	200 ug	56	24 - 113
2-Fluorophenol	200 ug	54	25 - 121
2,4,6-Tribromophenol	200 ug	64	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D1	Alden Sample Number: 8766A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	130	< 130
Acenaphthylene	208-96-8	130	< 130
Aniline	62-53-3	130	< 130
Anthracene	120-12-7	130	< 130
Azobenzene	103-33-3	130	< 130
Benzo(a)anthracene	56-55-3	130	< 130
Benzo(b)fluoranthene	205-99-2	260	< 260
Benzo(k)fluoranthene	207-08-9	260	< 260
Benzo(a)pyrene	50-32-8	260	< 260
Benzo(g,h,i)perylene	191-24-2	260	< 260
Benzyl alcohol	100-51-6	130	< 130
Benzyl butyl phthalate	85-68-7	130	< 130
bis(2-Chloroethyl) ether	111-44-4	130	< 130
bis(2-Chloroethoxy) methane	111-91-1	130	< 130
bis(2-Ethylhexyl) phthalate	117-81-7	130	200
bis(2-Chloroisopropyl) ether	108-60-1	130	< 130
4-Bromophenyl phenyl ether	101-55-3	260	< 260
4-Chloroaniline	106-47-8	260	< 260
2-Chloronaphthalene	91-58-7	130	< 130
4-Chlorophenyl phenyl ether	7005-72-3	130	< 130
Chrysene	218-01-9	130	< 130
Dibenzo(a,h)anthracene	53-70-3	260	< 260
Dibenzofuran	132-64-9	130	< 130
Di-n-butyl phthalate	84-74-2	130	< 130
1,3-Dichlorobenzene	541-73-1	130	< 130
1,2-Dichlorobenzene	95-50-1	130	< 130
1,4-Dichlorobenzene	106-46-7	130	< 130
3,3'-Dichlorobenzidine	91-94-1	1300	< 1300
Diethyl phthalate	84-66-2	260	< 260
Dimethyl phthalate	131-11-3	130	< 130
2,4-Dinitrotoluene	121-14-2	130	< 130
2,6-Dinitrotoluene	606-20-2	130	< 130
Di-n-octyl phthalate	117-84-0	260	< 260
Fluoranthene	206-44-0	130	< 130
Fluorene	86-73-7	130	< 130
Hexachlorobenzene	118-74-1	260	< 260
Hexachlorobutadiene	87-68-3	130	< 130
Hexachlorocyclopentadiene	77-47-4	650	< 650
Hexachloroethane	67-72-1	260	< 260

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D1	Alden Sample Number: 8766A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	260	< 260
Isophorone	78-59-1	130	< 130
2-Methylnaphthalene	91-57-6	130	< 130
Naphthalene	91-20-3	130	< 130
2-Nitroaniline	88-74-4	260	< 260
3-Nitroaniline	99-09-2	260	< 260
4-Nitroaniline	100-01-6	260	< 260
Nitrobenzene	98-95-3	130	< 130
N-Nitrosodiphenylamine	86-30-6	130	< 130
N-Nitrosodi-n-propylamine	621-64-7	130	< 130
Phenanthrene	85-01-8	130	< 130
Pyrene	129-00-0	130	< 130
1,2,4-Trichlorobenzene	120-82-1	260	< 260
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2600	< 2600
4-Chloro-3-methylphenol	59-50-7	260	< 260
2-Chlorophenol	95-57-8	130	< 130
2,4-Dichlorophenol	120-83-2	260	< 260
2,4-Dimethylphenol	105-67-9	130	< 130
2,4-Dinitrophenol	51-28-5	1300	< 1300
2-Methylphenol	95-48-7	260	< 260
2-Methyl-4,6-dinitrophenol	534-52-1	1300	< 1300
4-Methylphenol	106-44-5	260	< 260
2-Nitrophenol	88-75-5	260	< 260
4-Nitrophenol	100-02-7	1300	< 1300
Pentachlorophenol	87-86-5	1300	< 1300
Phenol	108-95-2	130	< 130
2,4,5-Trichlorophenol	95-95-4	260	< 260
2,4,6-Trichlorophenol	88-06-2	260	< 260

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	54	23 - 120
2-Fluorobiphenyl	100 ug	75	30 - 115
P-Terphenyl-d_{14}	100 ug	73	18 - 137
Phenol-d_5	200 ug	58	24 - 113
2-Fluorophenol	200 ug	44	25 - 121
2,4,6-Tribromophenol	200 ug	69	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D2	Alden Sample Number: 8767A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	144	< 144
Acenaphthylene	208-96-8	144	< 144
Aniline	62-53-3	144	< 144
Anthracene	120-12-7	144	< 144
Azobenzene	103-33-3	144	< 144
Benzo(a)anthracene	56-55-3	144	< 144
Benzo(b)fluoranthene	205-99-2	288	< 288
Benzo(k)fluoranthene	207-08-9	288	< 288
Benzo(a)pyrene	50-32-8	288	< 288
Benzo(g,h,i)perylene	191-24-2	288	< 288
Benzyl alcohol	100-51-6	144	< 144
Benzyl butyl phthalate	85-68-7	144	< 144
bis(2-Chloroethyl) ether	111-44-4	144	< 144
bis(2-Chloroethoxy) methane	111-91-1	144	< 144
bis(2-Ethylhexyl) phthalate	117-81-7	144	310
bis(2-Chloroisopropyl) ether	108-60-1	144	< 144
4-Bromophenyl phenyl ether	101-55-3	288	< 288
4-Chloroaniline	106-47-8	288	< 288
2-Chloronaphthalene	91-58-7	144	< 144
4-Chlorophenyl phenyl ether	7005-72-3	144	< 144
Chrysene	218-01-9	144	< 144
Dibenzo(a,h)anthracene	53-70-3	288	< 288
Dibenzofuran	132-64-9	144	< 144
Di-n-butyl phthalate	84-74-2	144	< 144
1,3-Dichlorobenzene	541-73-1	144	< 144
1,2-Dichlorobenzene	95-50-1	144	< 144
1,4-Dichlorobenzene	106-46-7	144	< 144
3,3'-Dichlorobenzidine	91-94-1	1440	< 1440
Diethyl phthalate	84-66-2	288	< 288
Dimethyl phthalate	131-11-3	144	< 144
2,4-Dinitrotoluene	121-14-2	144	< 144
2,6-Dinitrotoluene	606-20-2	144	< 144
Di-n-octyl phthalate	117-84-0	288	< 288
Fluoranthene	206-44-0	144	< 144
Fluorene	86-73-7	144	< 144
Hexachlorobenzene	118-74-1	288	< 288
Hexachlorobutadiene	87-68-3	144	< 144
Hexachlorocyclopentadiene	77-47-4	720	< 720
Hexachloroethane	67-72-1	288	< 288

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D2	Alden Sample Number: 8767A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	288	< 288
Isophorone	78-59-1	144	< 144
2-Methylnaphthalene	91-57-6	144	< 144
Naphthalene	91-20-3	144	< 144
2-Nitroaniline	88-74-4	288	< 288
3-Nitroaniline	99-09-2	288	< 288
4-Nitroaniline	100-01-6	288	< 288
Nitrobenzene	98-95-3	144	< 144
N-Nitrosodiphenylamine	86-30-6	144	< 144
N-Nitrosodi-n-propylamine	621-64-7	144	< 144
Phenanthrene	85-01-8	144	< 144
Pyrene	129-00-0	144	< 144
1,2,4-Trichlorobenzene	120-82-1	288	< 288
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2880	< 2880
4-Chloro-3-methylphenol	59-50-7	288	< 288
2-Chlorophenol	95-57-8	144	< 144
2,4-Dichlorophenol	120-83-2	288	< 288
2,4-Dimethylphenol	105-67-9	144	< 144
2,4-Dinitrophenol	51-28-5	1440	< 1440
2-Methylphenol	95-48-7	288	< 288
2-Methyl-4,6-dinitrophenol	534-52-1	1440	< 1440
4-Methylphenol	106-44-5	288	< 288
2-Nitrophenol	88-75-5	288	< 288
4-Nitrophenol	100-02-7	1440	< 1440
Pentachlorophenol	87-86-5	1440	< 1440
Phenol	108-95-2	144	< 144
2,4,5-Trichlorophenol	95-95-4	288	< 288
2,4,6-Trichlorophenol	88-06-2	288	< 288

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	78	23 - 120
2-Fluorobiphenyl	100 ug	77	30 - 115
P-Terphenyl-d_{14}	100 ug	69	18 - 137
Phenol-d_5	200 ug	65	24 - 113
2-Fluorophenol	200 ug	67	25 - 121
2,4,6-Tribromophenol	200 ug	78	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D4	Alden Sample Number: 8768A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	122	< 122
Acenaphthylene	208-96-8	122	< 122
Aniline	62-53-3	122	< 122
Anthracene	120-12-7	122	< 122
Azobenzene	103-33-3	122	< 122
Benzo(a)anthracene	56-55-3	122	< 122
Benzo(b)fluoranthene	205-99-2	244	< 244
Benzo(k)fluoranthene	207-08-9	244	< 244
Benzo(a)pyrene	50-32-8	244	< 244
Benzo(g,h,i)perylene	191-24-2	244	< 244
Benzyl alcohol	100-51-6	122	< 122
Benzyl butyl phthalate	85-68-7	122	< 122
bis(2-Chloroethyl) ether	111-44-4	122	< 122
bis(2-Chloroethoxy) methane	111-91-1	122	< 122
bis(2-Ethylhexyl) phthalate	117-81-7	122	170
bis(2-Chloroisopropyl) ether	108-60-1	122	< 122
4-Bromophenyl phenyl ether	101-55-3	244	< 244
4-Chloroaniline	106-47-8	244	< 244
2-Chloronaphthalene	91-58-7	122	< 122
4-Chlorophenyl phenyl ether	7005-72-3	122	< 122
Chrysene	218-01-9	122	< 122
Dibenzo(a,h)anthracene	53-70-3	244	< 244
Dibenzofuran	132-64-9	122	< 122
Di-n-butyl phthalate	84-74-2	122	< 122
1,3-Dichlorobenzene	541-73-1	122	< 122
1,2-Dichlorobenzene	95-50-1	122	< 122
1,4-Dichlorobenzene	106-46-7	122	< 122
3,3'-Dichlorobenzidine	91-94-1	1220	< 1220
Diethyl phthalate	84-66-2	244	< 244
Dimethyl phthalate	131-11-3	122	< 122
2,4-Dinitrotoluene	121-14-2	122	< 122
2,6-Dinitrotoluene	606-20-2	122	< 122
Di-n-octyl phthalate	117-84-0	244	< 244
Fluoranthene	206-44-0	122	< 122
Fluorene	86-73-7	122	< 122
Hexachlorobenzene	118-74-1	244	< 244
Hexachlorobutadiene	87-68-3	122	< 122
Hexachlorocyclopentadiene	77-47-4	610	< 610
Hexachloroethane	67-72-1	244	< 244

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D4	Alden Sample Number: 8768A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	244	< 244
Isophorone	78-59-1	122	< 122
2-Methylnaphthalene	91-57-6	122	< 122
Naphthalene	91-20-3	122	< 122
2-Nitroaniline	88-74-4	244	< 244
3-Nitroaniline	99-09-2	244	< 244
4-Nitroaniline	100-01-6	244	< 244
Nitrobenzene	98-95-3	122	< 122
N-Nitrosodiphenylamine	86-30-6	122	< 122
N-Nitrosodi-n-propylamine	621-64-7	122	< 122
Phenanthrene	85-01-8	122	< 122
Pyrene	129-00-0	122	< 122
1,2,4-Trichlorobenzene	120-82-1	244	< 244
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2440	< 2440
4-Chloro-3-methylphenol	59-50-7	244	< 244
2-Chlorophenol	95-57-8	122	< 122
2,4-Dichlorophenol	120-83-2	244	< 244
2,4-Dimethylphenol	105-67-9	122	< 122
2,4-Dinitrophenol	51-28-5	1220	< 1220
2-Methylphenol	95-48-7	244	< 244
2-Methyl-4,6-dinitrophenol	534-52-1	1220	< 1220
4-Methylphenol	106-44-5	244	< 244
2-Nitrophenol	88-75-5	244	< 244
4-Nitrophenol	100-02-7	1220	< 1220
Pentachlorophenol	87-86-5	1220	< 1220
Phenol	108-95-2	122	< 122
2,4,5-Trichlorophenol	95-95-4	244	< 244
2,4,6-Trichlorophenol	88-06-2	244	< 244

Surrogate	Amount Added	Percent Recovery	Recovery Limits
PCB → Nitrobenzene-d_5	100 ug	63	23 - 120
PCB → 2-Fluorobiphenyl	100 ug	77	30 - 115
PCB → P-Terphenyl-d_{14}	100 ug	72	18 - 137
Phenol-d_5	200 ug	65	24 - 113
2-Fluorophenol	200 ug	54	25 - 121
2,4,6-Tribromophenol	200 ug	86	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D10	Alden Sample Number: 8769A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	104	< 104
Acenaphthylene	208-96-8	104	< 104
Aniline	62-53-3	104	< 104
Anthracene	120-12-7	104	< 104
Azobenzene	103-33-3	104	< 104
Benzo(a)anthracene	56-55-3	104	< 104
Benzo(b)fluoranthene	205-99-2	208	< 208
Benzo(k)fluoranthene	207-08-9	208	< 208
Benzo(a)pyrene	50-32-8	208	< 208
Benzo(g,h,i)perylene	191-24-2	208	< 208
Benzyl alcohol	100-51-6	104	< 104
Benzyl butyl phthalate	85-68-7	104	< 104
bis(2-Chloroethyl) ether	111-44-4	104	< 104
bis(2-Chloroethoxy) methane	111-91-1	104	< 104
bis(2-Ethylhexyl) phthalate	117-81-7	104	160
bis(2-Chloroisopropyl) ether	108-60-1	104	< 104
4-Bromophenyl phenyl ether	101-55-3	208	< 208
4-Chloroaniline	106-47-8	208	< 208
2-Chloronaphthalene	91-58-7	104	< 104
4-Chlorophenyl phenyl ether	7005-72-3	104	< 104
Chrysene	218-01-9	104	< 104
Dibenzo(a,h)anthracene	53-70-3	208	< 208
Dibenzofuran	132-64-9	104	< 104
Di-n-butyl phthalate	84-74-2	104	< 104
1,3-Dichlorobenzene	541-73-1	104	< 104
1,2-Dichlorobenzene	95-50-1	104	< 104
1,4-Dichlorobenzene	106-46-7	104	< 104
3,3'-Dichlorobenzidine	91-94-1	1040	< 1040
Diethyl phthalate	84-66-2	208	< 208
Dimethyl phthalate	131-11-3	104	< 104
2,4-Dinitrotoluene	121-14-2	104	< 104
2,6-Dinitrotoluene	606-20-2	104	< 104
Di-n-octyl phthalate	117-84-0	208	< 208
Fluoranthene	206-44-0	104	< 104
Fluorene	86-73-7	104	< 104
Hexachlorobenzene	118-74-1	208	< 208
Hexachlorobutadiene	87-68-3	104	< 104
Hexachlorocyclopentadiene	77-47-4	520	< 520
Hexachloroethane	67-72-1	208	< 208

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D10	Alden Sample Number: 8769A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	208	< 208
Isophorone	78-59-1	104	< 104
2-Methylnaphthalene	91-57-6	104	< 104
Naphthalene	91-20-3	104	< 104
2-Nitroaniline	88-74-4	208	< 208
3-Nitroaniline	99-09-2	208	< 208
4-Nitroaniline	100-01-6	208	< 208
Nitrobenzene	98-95-3	104	< 104
N-Nitrosodiphenylamine	86-30-6	104	< 104
N-Nitrosodi-n-propylamine	621-64-7	104	< 104
Phenanthrene	85-01-8	104	< 104
Pyrene	129-00-0	104	< 104
1,2,4-Trichlorobenzene	120-82-1	208	< 208
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2080	< 2080
4-Chloro-3-methylphenol	59-50-7	208	< 208
2-Chlorophenol	95-57-8	104	< 104
2,4-Dichlorophenol	120-83-2	208	< 208
2,4-Dimethylphenol	105-67-9	104	< 104
2,4-Dinitrophenol	51-28-5	1040	< 1040
2-Methylphenol	95-48-7	208	< 208
2-Methyl-4,6-dinitrophenol	534-52-1	1040	< 1040
4-Methylphenol	106-44-5	208	< 208
2-Nitrophenol	88-75-5	208	< 208
4-Nitrophenol	100-02-7	1040	< 1040
Pentachlorophenol	87-86-5	1040	< 1040
Phenol	108-95-2	104	< 104
2,4,5-Trichlorophenol	95-95-4	208	< 208
2,4,6-Trichlorophenol	88-06-2	208	< 208

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	56	23 - 120
2-Fluorobiphenyl	100 ug	75	30 - 115
P-Terphenyl-d_{14}	100 ug	72	18 - 137
Phenol-d_5	200 ug	61	24 - 113
2-Fluorophenol	200 ug	48	25 - 121
2,4,6-Tribromophenol	200 ug	84	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D11	Alden Sample Number: 8770A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	110	< 110
Acenaphthylene	208-96-8	110	< 110
Aniline	62-53-3	110	< 110
Anthracene	120-12-7	110	< 110
Azobenzene	103-33-3	110	< 110
Benzo(a)anthracene	56-55-3	110	< 110
Benzo(b)fluoranthene	205-99-2	220	< 220
Benzo(k)fluoranthene	207-08-9	220	< 220
Benzo(a)pyrene	50-32-8	220	< 220
Benzo(g,h,i)perylene	191-24-2	220	< 220
Benzyl alcohol	100-51-6	110	< 110
Benzyl butyl phthalate	85-68-7	110	< 110
bis(2-Chloroethyl) ether	111-44-4	110	< 110
bis(2-Chloroethoxy) methane	111-91-1	110	< 110
bis(2-Ethylhexyl) phthalate	117-81-7	110	< 110
bis(2-Chloroisopropyl) ether	108-60-1	110	< 110
4-Bromophenyl phenyl ether	101-55-3	220	< 220
4-Chloroaniline	106-47-8	220	< 220
2-Chloronaphthalene	91-58-7	110	< 110
4-Chlorophenyl phenyl ether	7005-72-3	110	< 110
Chrysene	218-01-9	110	< 110
Dibenzo(a,h)anthracene	53-70-3	220	< 220
Dibenzofuran	132-64-9	110	< 110
Di-n-butyl phthalate	84-74-2	110	< 110
1,3-Dichlorobenzene	541-73-1	110	< 110
1,2-Dichlorobenzene	95-50-1	110	< 110
1,4-Dichlorobenzene	106-46-7	110	< 110
3,3'-Dichlorobenzidine	91-94-1	1100	< 1100
Diethyl phthalate	84-66-2	220	< 220
Dimethyl phthalate	131-11-3	110	< 110
2,4-Dinitrotoluene	121-14-2	110	< 110
2,6-Dinitrotoluene	606-20-2	110	< 110
Di-n-octyl phthalate	117-84-0	220	< 220
Fluoranthene	206-44-0	110	< 110
Fluorene	86-73-7	110	< 110
Hexachlorobenzene	118-74-1	220	< 220
Hexachlorobutadiene	87-68-3	110	< 110
Hexachlorocyclopentadiene	77-47-4	550	< 550
Hexachloroethane	67-72-1	220	< 220

OF ANALYTICAL RESULTS

Alden Job Number: 9110020/1
Alden Sample Number: 8770A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

CAS No.	Reporting Limit	Result
UNDS (CONTINUED)		
193-39-5	220	< 220
78-59-1	110	< 110
91-57-6	110	< 110
91-20-3	110	< 110
88-74-4	220	< 220
99-09-2	220	< 220
100-01-6	220	< 220
98-95-3	110	< 110
86-30-6	110	< 110
621-64-7	110	< 110
85-01-8	110	< 110
129-00-0	110	< 110
120-82-1	220	< 220
65-85-0	2200	< 2200
59-50-7	220	< 220
95-57-8	110	< 110
120-83-2	220	< 220
105-67-9	110	< 110
51-28-5	1100	< 1100
95-48-7	220	< 220
534-52-1	1100	< 1100
106-44-5	220	< 220
88-75-5	220	< 220
100-02-7	1100	< 1100
87-86-5	1100	< 1100
108-95-2	110	< 110
95-95-4	220	< 220
88-06-2	220	< 220

	Amount Added	Percent Recovery	Recovery Limits
	100 ug	67	23 - 120
l	100 ug	65	30 - 115
	100 ug	65	18 - 137
	200 ug	60	24 - 113
	200 ug	60	25 - 121
nenol	200 ug	71	19 - 122

L RESULTS

Alden Job Number: 9110020/1
Alden Sample Number: 8771A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Reporting Limit	Result
112	< 112
112	< 112
112	< 112
112	< 112
112	< 112
112	< 112
224	< 224
224	< 224
224	< 224
224	< 224
112	< 112
112	< 112
112	< 112
112	< 112
112	< 112
112	< 112
224	< 224
224	< 224
112	< 112
112	< 112
112	< 112
224	< 224
112	< 112
112	< 112
112	< 112
112	< 112
112	< 112
112	< 112
120	< 1120
224	< 224
112	< 112
112	< 112
112	< 112
224	< 224
112	< 112
112	< 112
224	< 224
112	< 112
00	< 200
24	< 224

Alden Analytical
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REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D12
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/19/91
Date of Sample Analysis: 11/15/91

Alden Job Number: 9110020/1
Alden Sample Number: 8771A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	224	< 224
Isophorone	78-59-1	112	< 112
2-Methylnaphthalene	91-57-6	112	< 112
Naphthalene	91-20-3	112	< 112
2-Nitroaniline	88-74-4	224	< 224
3-Nitroaniline	99-09-2	224	< 224
4-Nitroaniline	100-01-6	224	< 224
Nitrobenzene	98-95-3	112	< 112
N-Nitrosodiphenylamine	86-30-6	112	< 112
N-Nitrosodi-n-propylamine	621-64-7	112	< 112
Phenanthrene	85-01-8	112	< 112
Pyrene	129-00-0	112	< 112
1,2,4-Trichlorobenzene	120-82-1	224	< 224
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2240	< 2240
4-Chloro-3-methylphenol	59-50-7	224	< 224
2-Chlorophenol	95-57-8	112	< 112
2,4-Dichlorophenol	120-83-2	224	< 224
2,4-Dimethylphenol	105-67-9	112	< 112
2,4-Dinitrophenol	51-28-5	1120	< 1120
2-Methylphenol	95-48-7	224	< 224
2-Methyl-4,6-dinitrophenol	534-52-1	1120	< 1120
4-Methylphenol	106-44-5	224	< 224
2-Nitrophenol	88-75-5	224	< 224
4-Nitrophenol	100-02-7	1120	< 1120
Pentachlorophenol	87-86-5	1120	< 1120
Phenol	108-95-2	112	< 112
2,4,5-Trichlorophenol	95-95-4	224	< 224
2,4,6-Trichlorophenol	88-06-2	224	< 224

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	74	23 - 120
2-Fluorobiphenyl	100 ug	75	30 - 115
P-Terphenyl-d_{14}	100 ug	71	18 - 137
Phenol-d_5	200 ug	67	24 - 113
2-Fluorophenol	200 ug	63	25 - 121
2,4,6-Tribromophenol	200 ug	78	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D45	Alden Sample Number: 8772A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	110	< 110
Acenaphthylene	208-96-8	110	< 110
Aniline	62-53-3	110	< 110
Anthracene	120-12-7	110	< 110
Azobenzene	103-33-3	110	< 110
Benzo(a)anthracene	56-55-3	110	< 110
Benzo(b)fluoranthene	205-99-2	220	< 220
Benzo(k)fluoranthene	207-08-9	220	< 220
Benzo(a)pyrene	50-32-8	220	< 220
Benzo(g,h,i)perylene	191-24-2	220	< 220
Benzyl alcohol	100-51-6	110	< 110
Benzyl butyl phthalate	85-68-7	110	< 110
bis(2-Chloroethyl) ether	111-44-4	110	< 110
bis(2-Chloroethoxy) methane	111-91-1	110	< 110
bis(2-Ethylhexyl) phthalate	117-81-7	110	< 110
bis(2-Chloroisopropyl) ether	108-60-1	110	< 110
4-Bromophenyl phenyl ether	101-55-3	220	< 220
4-Chloroaniline	106-47-8	220	< 220
2-Chloronaphthalene	91-58-7	110	< 110
4-Chlorophenyl phenyl ether	7005-72-3	110	< 110
Chrysene	218-01-9	110	< 110
Dibenzo(a,h)anthracene	53-70-3	220	< 220
Dibenzofuran	132-64-9	110	< 110
Di-n-butyl phthalate	84-74-2	110	< 110
1,3-Dichlorobenzene	541-73-1	110	< 110
1,2-Dichlorobenzene	95-50-1	110	< 110
1,4-Dichlorobenzene	106-46-7	110	< 110
3,3'-Dichlorobenzidine	91-94-1	1100	< 1100
Diethyl phthalate	84-66-2	220	< 220
Dimethyl phthalate	131-11-3	110	< 110
2,4-Dinitrotoluene	121-14-2	110	< 110
2,6-Dinitrotoluene	606-20-2	110	< 110
Di-n-octyl phthalate	117-84-0	220	< 220
Fluoranthene	206-44-0	110	< 110
Fluorene	86-73-7	110	< 110
Hexachlorobenzene	118-74-1	220	< 220
Hexachlorobutadiene	87-68-3	110	< 110
Hexachlorocyclopentadiene	77-47-4	550	< 550
Hexachloroethane	67-72-1	220	< 220

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D45	Alden Sample Number: 8772A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	220	< 220
Isophorone	78-59-1	110	< 110
2-Methylnaphthalene	91-57-6	110	< 110
Naphthalene	91-20-3	110	< 110
2-Nitroaniline	88-74-4	220	< 220
3-Nitroaniline	99-09-2	220	< 220
4-Nitroaniline	100-01-6	220	< 220
Nitrobenzene	98-95-3	110	< 110
N-Nitrosodiphenylamine	86-30-6	110	< 110
N-Nitrosodi-n-propylamine	621-64-7	110	< 110
Phenanthrene	85-01-8	110	< 110
Pyrene	129-00-0	110	< 110
1,2,4-Trichlorobenzene	120-82-1	220	< 220
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2200	< 2200
4-Chloro-3-methylphenol	59-50-7	220	< 220
2-Chlorophenol	95-57-8	110	< 110
2,4-Dichlorophenol	120-83-2	220	< 220
2,4-Dimethylphenol	105-67-9	110	< 110
2,4-Dinitrophenol	51-28-5	1100	< 1100
2-Methylphenol	95-48-7	220	< 220
2-Methyl-4,6-dinitrophenol	534-52-1	1100	< 1100
4-Methylphenol	106-44-5	220	< 220
2-Nitrophenol	88-75-5	220	< 220
4-Nitrophenol	100-02-7	1100	< 1100
Pentachlorophenol	87-86-5	1100	< 1100
Phenol	108-95-2	110	< 110
2,4,5-Trichlorophenol	95-95-4	220	< 220
2,4,6-Trichlorophenol	88-06-2	220	< 220

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	60	23 - 120
2-Fluorobiphenyl	100 ug	70	30 - 115
P-Terphenyl-d_{14}	100 ug	66	18 - 137
Phenol-d_5	200 ug	57	24 - 113
2-Fluorophenol	200 ug	31	25 - 121
2,4,6-Tribromophenol	200 ug	76	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D46	Alden Sample Number: 8775A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	98	< 98
Acenaphthylene	208-96-8	98	< 98
Aniline	62-53-3	98	< 98
Anthracene	120-12-7	98	< 98
Azobenzene	103-33-3	98	< 98
Benzo(a)anthracene	56-55-3	98	< 98
Benzo(b)fluoranthene	205-99-2	196	< 196
Benzo(k)fluoranthene	207-08-9	196	< 196
Benzo(a)pyrene	50-32-8	196	< 196
Benzo(g,h,i)perylene	191-24-2	196	< 196
Benzyl alcohol	100-51-6	98	< 98
Benzyl butyl phthalate	85-68-7	98	< 98
bis(2-Chloroethyl) ether	111-44-4	98	< 98
bis(2-Chloroethoxy) methane	111-91-1	98	< 98
bis(2-Ethylhexyl) phthalate	117-81-7	98	< 98
bis(2-Chloroisopropyl) ether	108-60-1	98	< 98
4-Bromophenyl phenyl ether	101-55-3	196	< 196
4-Chloroaniline	106-47-8	196	< 196
2-Chloronaphthalene	91-58-7	98	< 98
4-Chlorophenyl phenyl ether	7005-72-3	98	< 98
Chrysene	218-01-9	98	< 98
Dibenzo(a,h)anthracene	53-70-3	196	< 196
Dibenzofuran	132-64-9	98	< 98
Di-n-butyl phthalate	84-74-2	98	< 98
1,3-Dichlorobenzene	541-73-1	98	< 98
1,2-Dichlorobenzene	95-50-1	98	< 98
1,4-Dichlorobenzene	106-46-7	98	< 98
3,3'-Dichlorobenzidine	91-94-1	980	< 980
Diethyl phthalate	84-66-2	196	< 196
Dimethyl phthalate	131-11-3	98	< 98
2,4-Dinitrotoluene	121-14-2	98	< 98
2,6-Dinitrotoluene	606-20-2	98	< 98
Di-n-octyl phthalate	117-84-0	196	< 196
Fluoranthene	206-44-0	98	< 98
Fluorene	86-73-7	98	< 98
Hexachlorobenzene	118-74-1	196	< 196
Hexachlorobutadiene	87-68-3	98	< 98
Hexachlorocyclopentadiene	77-47-4	490	< 490
Hexachloroethane	67-72-1	196	< 196

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: D46	Alden Sample Number: 8775A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	196	< 196
Isophorone	78-59-1	98	< 98
2-Methylnaphthalene	91-57-6	98	< 98
Naphthalene	91-20-3	98	< 98
2-Nitroaniline	88-74-4	196	< 196
3-Nitroaniline	99-09-2	196	< 196
4-Nitroaniline	100-01-6	196	< 196
Nitrobenzene	98-95-3	98	< 98
N-Nitrosodiphenylamine	86-30-6	98	< 98
N-Nitrosodi-n-propylamine	621-64-7	98	< 98
Phenanthrene	85-01-8	98	< 98
Pyrene	129-00-0	98	< 98
1,2,4-Trichlorobenzene	120-82-1	196	< 196
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1960	< 1960
4-Chloro-3-methylphenol	59-50-7	196	< 196
2-Chlorophenol	95-57-8	98	< 98
2,4-Dichlorophenol	120-83-2	196	< 196
2,4-Dimethylphenol	105-67-9	98	< 98
2,4-Dinitrophenol	51-28-5	980	< 980
2-Methylphenol	95-48-7	196	< 196
2-Methyl-4,6-dinitrophenol	534-52-1	980	< 980
4-Methylphenol	106-44-5	196	< 196
2-Nitrophenol	88-75-5	196	< 196
4-Nitrophenol	100-02-7	980	< 980
Pentachlorophenol	87-86-5	980	< 980
Phenol	108-95-2	98	< 98
2,4,5-Trichlorophenol	95-95-4	196	< 196
2,4,6-Trichlorophenol	88-06-2	196	< 196

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	57	23 - 120
2-Fluorobiphenyl	100 ug	57	30 - 115
P-Terphenyl-d_{14}	100 ug	71	18 - 137
Phenol-d_5	200 ug	49	24 - 113
2-Fluorophenol	200 ug	49	25 - 121
2,4,6-Tribromophenol	200 ug	81	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: E1	Alden Sample Number: 8776A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/14/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	44	< 44
Acenaphthylene	208-96-8	44	< 44
Aniline	62-53-3	44	< 44
Anthracene	120-12-7	44	< 44
Azobenzene	103-33-3	44	< 44
Benzo(a)anthracene	56-55-3	44	< 44
Benzo(b)fluoranthene	205-99-2	88	< 88
Benzo(k)fluoranthene	207-08-9	88	< 88
Benzo(a)pyrene	50-32-8	88	< 88
Benzo(g,h,i)perylene	191-24-2	88	< 88
Benzyl alcohol	100-51-6	44	< 44
Benzyl butyl phthalate	85-68-7	44	< 44
bis(2-Chloroethyl) ether	111-44-4	44	< 44
bis(2-Chloroethoxy) methane	111-91-1	44	< 44
bis(2-Ethylhexyl) phthalate	117-81-7	44	47
bis(2-Chloroisopropyl) ether	108-60-1	44	< 44
4-Bromophenyl phenyl ether	101-55-3	88	< 88
4-Chloroaniline	106-47-8	88	< 88
2-Chloronaphthalene	91-58-7	44	< 44
4-Chlorophenyl phenyl ether	7005-72-3	44	< 44
Chrysene	218-01-9	44	< 44
Dibenzo(a,h)anthracene	53-70-3	88	< 88
Dibenzofuran	132-64-9	44	< 44
Di-n-butyl phthalate	84-74-2	44	< 44
1,3-Dichlorobenzene	541-73-1	44	< 44
1,2-Dichlorobenzene	95-50-1	44	< 44
1,4-Dichlorobenzene	106-46-7	44	< 44
3,3'-Dichlorobenzidine	91-94-1	440	< 440
Diethyl phthalate	84-66-2	88	< 88
Dimethyl phthalate	131-11-3	44	< 44
2,4-Dinitrotoluene	121-14-2	44	< 44
2,6-Dinitrotoluene	606-20-2	44	< 44
Di-n-octyl phthalate	117-84-0	88	< 88
Fluoranthene	206-44-0	44	< 44
Fluorene	86-73-7	44	< 44
Hexachlorobenzene	118-74-1	88	< 88
Hexachlorobutadiene	87-68-3	44	< 44
Hexachlorocyclopentadiene	77-47-4	220	< 220
Hexachloroethane	67-72-1	88	< 88

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: E1	Alden Sample Number: 8776A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/14/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	88	< 88
Isophorone	78-59-1	44	< 44
2-Methylnaphthalene	91-57-6	44	< 44
Naphthalene	91-20-3	44	< 44
2-Nitroaniline	88-74-4	88	< 88
3-Nitroaniline	99-09-2	88	< 88
4-Nitroaniline	100-01-6	88	< 88
Nitrobenzene	98-95-3	44	< 44
N-Nitrosodiphenylamine	86-30-6	44	< 44
N-Nitrosodi-n-propylamine	621-64-7	44	< 44
Phenanthrene	85-01-8	44	< 44
Pyrene	129-00-0	44	< 44
1,2,4-Trichlorobenzene	120-82-1	88	< 88
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	880	< 880
4-Chloro-3-methylphenol	59-50-7	88	< 88
2-Chlorophenol	95-57-8	44	< 44
2,4-Dichlorophenol	120-83-2	88	< 88
2,4-Dimethylphenol	105-67-9	44	< 44
2,4-Dinitrophenol	51-28-5	440	< 440
2-Methylphenol	95-48-7	88	< 88
2-Methyl-4,6-dinitrophenol	534-52-1	440	< 440
4-Methylphenol	106-44-5	88	< 88
2-Nitrophenol	88-75-5	88	< 88
4-Nitrophenol	100-02-7	440	< 440
Pentachlorophenol	87-86-5	440	< 440
Phenol	108-95-2	44	< 44
2,4,5-Trichlorophenol	95-95-4	88	< 88
2,4,6-Trichlorophenol	88-06-2	88	< 88

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	46	23 - 120
2-Fluorobiphenyl	100 ug	44	30 - 115
P-Terphenyl-d_{14}	100 ug	83	18 - 137
Phenol-d_5	200 ug	39	24 - 113
2-Fluorophenol	200 ug	36	25 - 121
2,4,6-Tribromophenol	200 ug	51	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: Matrix Spike	Alden Sample Number: 8776A MS
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	8658	62	26 - 90
2-Chlorophenol	8658	59	25 - 102
1,4-Dichlorobenzene	4329	49	28 - 104
N-Nitroso-di-n-propylamine	4329	65	41 - 126
1,2,4-Trichlorobenzene	4329	59	38 - 107
4-Chloro-3-methylphenol	8658	75	26 - 103
Acenaphthene	4329	74	31 - 137
4-Nitrophenol	8658	75	11 - 114
2,4-Dinitrotoluene	4329	61	28 - 89
Pentachlorophenol	8658	90	17 - 109
Pyrene	4329	68	35 - 142

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: Spike Duplicate	Alden Sample Number: 8776A MSD
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	8658	59	26 - 90
2-Chlorophenol	8658	58	25 - 102
1,4-Dichlorobenzene	4329	53	28 - 104
N-Nitroso-di-n-propylamine	4329	64	41 - 126
1,2,4-Trichlorobenzene	4329	61	38 - 107
4-Chloro-3-methylphenol	8658	76	26 - 103
Acenaphthene	4329	72	31 - 137
4-Nitrophenol	8658	76	11 - 114
2,4-Dinitrotoluene	4329	61	28 - 89
Pentachlorophenol	8658	98	17 - 109
Pyrene	4329	71	35 - 142

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E2
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/19/91
Date of Sample Analysis: 11/15/91

Alden Job Number: 9110020/1
Alden Sample Number: 8777A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	44	< 44
Acenaphthylene	208-96-8	44	< 44
Aniline	62-53-3	44	< 44
Anthracene	120-12-7	44	< 44
Azobenzene	103-33-3	44	< 44
Benzo(a)anthracene	56-55-3	44	< 44
Benzo(b)fluoranthene	205-99-2	88	< 88
Benzo(k)fluoranthene	207-08-9	88	< 88
Benzo(a)pyrene	50-32-8	88	< 88
Benzo(g,h,i)perylene	191-24-2	88	< 88
Benzyl alcohol	100-51-6	44	< 44
Benzyl butyl phthalate	85-68-7	44	< 44
bis(2-Chloroethyl) ether	111-44-4	44	< 44
bis(2-Chloroethoxy) methane	111-91-1	44	< 44
bis(2-Ethylhexyl) phthalate	117-81-7	44	95
bis(2-Chloroisopropyl) ether	108-60-1	44	< 44
4-Bromophenyl phenyl ether	101-55-3	88	< 88
4-Chloroaniline	106-47-8	88	< 88
2-Chloronaphthalene	91-58-7	44	< 44
4-Chlorophenyl phenyl ether	7005-72-3	44	< 44
Chrysene	218-01-9	44	< 44
Dibenzo(a,h)anthracene	53-70-3	88	< 88
Dibenzofuran	132-64-9	44	< 44
Di-n-butyl phthalate	84-74-2	44	< 44
1,3-Dichlorobenzene	541-73-1	44	< 44
1,2-Dichlorobenzene	95-50-1	44	< 44
1,4-Dichlorobenzene	106-46-7	44	< 44
3,3'-Dichlorobenzidine	91-94-1	440	< 440
Diethyl phthalate	84-66-2	88	< 88
Dimethyl phthalate	131-11-3	44	< 44
2,4-Dinitrotoluene	121-14-2	44	< 44
2,6-Dinitrotoluene	606-20-2	44	< 44
Di-n-octyl phthalate	117-84-0	88	< 88
Fluoranthene	206-44-0	44	< 44
Fluorene	86-73-7	44	< 44
Hexachlorobenzene	118-74-1	88	< 88
Hexachlorobutadiene	87-68-3	44	< 44
Hexachlorocyclopentadiene	77-47-4	220	< 220
Hexachloroethane	67-72-1	88	< 88

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110020/1
Client Sample Number: E2	Alden Sample Number: 8777A
Date of Sample Receipt: 10/11/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/19/91	Matrix: Sediment
Date of Sample Analysis: 11/15/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	88	< 88
Isophorone	78-59-1	44	< 44
2-Methylnaphthalene	91-57-6	44	< 44
Naphthalene	91-20-3	44	< 44
2-Nitroaniline	88-74-4	88	< 88
3-Nitroaniline	99-09-2	88	< 88
4-Nitroaniline	100-01-6	88	< 88
Nitrobenzene	98-95-3	44	< 44
N-Nitrosodiphenylamine	86-30-6	44	< 44
N-Nitrosodi-n-propylamine	621-64-7	44	< 44
Phenanthrene	85-01-8	44	< 44
Pyrene	129-00-0	44	< 44
1,2,4-Trichlorobenzene	120-82-1	88	< 88
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	880	< 880
4-Chloro-3-methylphenol	59-50-7	88	< 88
2-Chlorophenol	95-57-8	44	< 44
2,4-Dichlorophenol	120-83-2	88	< 88
2,4-Dimethylphenol	105-67-9	44	< 44
2,4-Dinitrophenol	51-28-5	440	< 440
2-Methylphenol	95-48-7	88	< 88
2-Methyl-4,6-dinitrophenol	534-52-1	440	< 440
4-Methylphenol	106-44-5	88	< 88
2-Nitrophenol	88-75-5	88	< 88
4-Nitrophenol	100-02-7	440	< 440
Pentachlorophenol	87-86-5	440	< 440
Phenol	108-95-2	44	< 44
2,4,5-Trichlorophenol	95-95-4	88	< 88
2,4,6-Trichlorophenol	88-06-2	88	< 88

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	54	23 - 120
2-Fluorobiphenyl	100 ug	51	30 - 115
P-Terphenyl-d_{14}	100 ug	63	18 - 137
Phenol-d_5	200 ug	44	24 - 113
2-Fluorophenol	200 ug	42	25 - 121
2,4,6-Tribromophenol	200 ug	31	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E3 D3 1D
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/19/91
Date of Sample Analysis: 11/15/91

Alden Job Number: 9110020/1
Alden Sample Number: 8778A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	98	< 98
Acenaphthylene	208-96-8	98	< 98
Aniline	62-53-3	98	< 98
Anthracene	120-12-7	98	< 98
Azobenzene	103-33-3	98	< 98
Benzo(a)anthracene	56-55-3	98	< 98
Benzo(b)fluoranthene	205-99-2	196	< 196
Benzo(k)fluoranthene	207-08-9	196	< 196
Benzo(a)pyrene	50-32-8	196	< 196
Benzo(g,h,i)perylene	191-24-2	196	< 196
Benzyl alcohol	100-51-6	98	< 98
Benzyl butyl phthalate	85-68-7	98	< 98
bis(2-Chloroethyl) ether	111-44-4	98	< 98
bis(2-Chloroethoxy) methane	111-91-1	98	< 98
bis(2-Ethylhexyl) phthalate	117-81-7	98	< 98
bis(2-Chloroisopropyl) ether	108-60-1	98	< 98
4-Bromophenyl phenyl ether	101-55-3	196	< 196
4-Chloroaniline	106-47-8	196	< 196
2-Chloronaphthalene	91-58-7	98	< 98
4-Chlorophenyl phenyl ether	7005-72-3	98	< 98
Chrysene	218-01-9	98	< 98
Dibenzo(a,h)anthracene	53-70-3	196	< 196
Dibenzofuran	132-64-9	98	< 98
Di-n-butyl phthalate	84-74-2	98	< 98
1,3-Dichlorobenzene	541-73-1	98	< 98
1,2-Dichlorobenzene	95-50-1	98	< 98
1,4-Dichlorobenzene	106-46-7	98	< 98
3,3'-Dichlorobenzidine	91-94-1	980	< 980
Diethyl phthalate	84-66-2	196	< 196
Dimethyl phthalate	131-11-3	98	< 98
2,4-Dinitrotoluene	121-14-2	98	< 98
2,6-Dinitrotoluene	606-20-2	98	< 98
Di-n-octyl phthalate	117-84-0	196	< 196
Fluoranthene	206-44-0	98	< 98
Fluorene	86-73-7	98	< 98
Hexachlorobenzene	118-74-1	196	< 196
Hexachlorobutadiene	87-68-3	98	< 98
Hexachlorocyclopentadiene	77-47-4	490	< 490
Hexachloroethane	67-72-1	196	< 196

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D3
Date of Sample Receipt: 10/11/91
Date of Sample Extraction: 10/19/91
Date of Sample Analysis: 11/15/91

Alden Job Number: 9110020/1
Alden Sample Number: 8778A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	196	< 196
Isophorone	78-59-1	98	< 98
2-Methylnaphthalene	91-57-6	98	< 98
Naphthalene	91-20-3	98	< 98
2-Nitroaniline	88-74-4	196	< 196
3-Nitroaniline	99-09-2	196	< 196
4-Nitroaniline	100-01-6	196	< 196
Nitrobenzene	98-95-3	98	< 98
N-Nitrosodiphenylamine	86-30-6	98	< 98
N-Nitrosodi-n-propylamine	621-64-7	98	< 98
Phenanthrene	85-01-8	98	< 98
Pyrene	129-00-0	98	< 98
1,2,4-Trichlorobenzene	120-82-1	196	< 196
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1960	< 1960
4-Chloro-3-methylphenol	59-50-7	196	< 196
2-Chlorophenol	95-57-8	98	< 98
2,4-Dichlorophenol	120-83-2	196	< 196
2,4-Dimethylphenol	105-67-9	98	< 98
2,4-Dinitrophenol	51-28-5	980	< 980
2-Methylphenol	95-48-7	196	< 196
2-Methyl-4,6-dinitrophenol	534-52-1	980	< 980
4-Methylphenol	106-44-5	196	< 196
2-Nitrophenol	88-75-5	196	< 196
4-Nitrophenol	100-02-7	980	< 980
Pentachlorophenol	87-86-5	980	< 980
Phenol	108-95-2	98	< 98
2,4,5-Trichlorophenol	95-95-4	196	< 196
2,4,6-Trichlorophenol	88-06-2	196	< 196

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	60	23 - 120
2-Fluorobiphenyl	100 ug	60	30 - 115
P-Terphenyl-d_{14}	100 ug	81	18 - 137
Phenol-d_5	200 ug	52	24 - 113
2-Fluorophenol	200 ug	51	25 - 121
2,4,6-Tribromophenol	200 ug	71	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/20/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	46	< 46
Acenaphthylene	208-96-8	46	< 46
Aniline	62-53-3	46	< 46
Anthracene	120-12-7	46	< 46
Azobenzene	103-33-3	46	< 46
Benzo(a)anthracene	56-55-3	46	< 46
Benzo(b)fluoranthene	205-99-2	92	< 92
Benzo(k)fluoranthene	207-08-9	92	< 92
Benzo(a)pyrene	50-32-8	92	< 92
Benzo(g,h,i)perylene	191-24-2	92	< 92
Benzyl alcohol	100-51-6	46	< 46
Benzyl butyl phthalate	85-68-7	46	< 46
bis(2-Chloroethyl) ether	111-44-4	46	< 46
bis(2-Chloroethoxy) methane	111-91-1	46	< 46
bis(2-Ethylhexyl) phthalate	117-81-7	46	380
bis(2-Chloroisopropyl) ether	108-60-1	46	< 46
4-Bromophenyl phenyl ether	101-55-3	92	< 92
4-Chloroaniline	106-47-8	92	< 92
2-Chloronaphthalene	91-58-7	46	< 46
4-Chlorophenyl phenyl ether	7005-72-3	46	< 46
Chrysene	218-01-9	46	< 46
Dibenzo(a,h)anthracene	53-70-3	92	< 92
Dibenzofuran	132-64-9	46	< 46
Di-n-butyl phthalate	84-74-2	46	< 46
1,3-Dichlorobenzene	541-73-1	46	< 46
1,2-Dichlorobenzene	95-50-1	46	< 46
1,4-Dichlorobenzene	106-46-7	46	< 46
3,3'-Dichlorobenzidine	91-94-1	460	< 460
Diethyl phthalate	84-66-2	92	< 92
Dimethyl phthalate	131-11-3	46	< 46
2,4-Dinitrotoluene	121-14-2	46	< 46
2,6-Dinitrotoluene	606-20-2	46	< 46
Di-n-octyl phthalate	117-84-0	92	< 92
Fluoranthene	206-44-0	46	< 46
Fluorene	86-73-7	46	< 46
Hexachlorobenzene	118-74-1	92	< 92
Hexachlorobutadiene	87-68-3	46	< 46
Hexachlorocyclopentadiene	77-47-4	230	< 230
Hexachloroethane	67-72-1	92	< 92

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: N/A
Date of Sample Receipt: N/A
Date of Sample Extraction: 10/24/91
Date of Sample Analysis: 11/20/91

Alden Job Number: 9110024/1
Alden Sample Number: Blank
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	92	< 92
Isophorone	78-59-1	46	< 46
2-Methylnaphthalene	91-57-6	46	< 46
Naphthalene	91-20-3	46	< 46
2-Nitroaniline	88-74-4	92	< 92
3-Nitroaniline	99-09-2	92	< 92
4-Nitroaniline	100-01-6	92	< 92
Nitrobenzene	98-95-3	46	< 46
N-Nitrosodiphenylamine	86-30-6	46	< 46
N-Nitrosodi-n-propylamine	621-64-7	46	< 46
Phenanthrene	85-01-8	46	< 46
Pyrene	129-00-0	46	< 46
1,2,4-Trichlorobenzene	120-82-1	92	< 92
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	920	< 920
4-Chloro-3-methylphenol	59-50-7	92	< 92
2-Chlorophenol	95-57-8	46	< 46
2,4-Dichlorophenol	120-83-2	92	< 92
2,4-Dimethylphenol	105-67-9	46	< 46
2,4-Dinitrophenol	51-28-5	460	< 460
2-Methylphenol	95-48-7	92	< 92
2-Methyl-4,6-dinitrophenol	534-52-1	460	< 460
4-Methylphenol	106-44-5	92	< 92
2-Nitrophenol	88-75-5	92	< 92
4-Nitrophenol	100-02-7	460	< 460
Pentachlorophenol	87-86-5	460	< 460
Phenol	108-95-2	46	< 46
2,4,5-Trichlorophenol	95-95-4	92	< 92
2,4,6-Trichlorophenol	88-06-2	92	< 92

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	38	23 - 120
2-Fluorobiphenyl	100 ug	50	30 - 115
P-Terphenyl-d_{14}	100 ug	65	18 - 137
Phenol-d_5	200 ug	39	24 - 113
2-Fluorophenol	200 ug	32	25 - 121
2,4,6-Tribromophenol	200 ug	56	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D5	Alden Sample Number: 8792A
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/21/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	94	< 94
Acenaphthylene	208-96-8	94	< 94
Aniline	62-53-3	94	< 94
Anthracene	120-12-7	94	< 94
Azobenzene	103-33-3	94	< 94
Benzo(a)anthracene	56-55-3	94	< 94
Benzo(b)fluoranthene	205-99-2	188	< 188
Benzo(k)fluoranthene	207-08-9	188	< 188
Benzo(a)pyrene	50-32-8	188	< 188
Benzo(g,h,i)perylene	191-24-2	188	< 188
Benzyl alcohol	100-51-6	94	< 94
Benzyl butyl phthalate	85-68-7	94	< 94
bis(2-Chloroethyl) ether	111-44-4	94	< 94
bis(2-Chloroethoxy) methane	111-91-1	94	< 94
bis(2-Ethylhexyl) phthalate	117-81-7	94	500
bis(2-Chloroisopropyl) ether	108-60-1	94	< 94
4-Bromophenyl phenyl ether	101-55-3	188	< 188
4-Chloroaniline	106-47-8	188	< 188
2-Chloronaphthalene	91-58-7	94	< 94
4-Chlorophenyl phenyl ether	7005-72-3	94	< 94
Chrysene	218-01-9	94	< 94
Dibenzo(a,h)anthracene	53-70-3	188	< 188
Dibenzofuran	132-64-9	94	< 94
Di-n-butyl phthalate	84-74-2	94	< 94
1,3-Dichlorobenzene	541-73-1	94	< 94
1,2-Dichlorobenzene	95-50-1	94	< 94
1,4-Dichlorobenzene	106-46-7	94	< 94
3,3'-Dichlorobenzidine	91-94-1	940	< 940
Diethyl phthalate	84-66-2	188	< 188
Dimethyl phthalate	131-11-3	94	< 94
2,4-Dinitrotoluene	121-14-2	94	< 94
2,6-Dinitrotoluene	606-20-2	94	< 94
Di-n-octyl phthalate	117-84-0	188	< 188
Fluoranthene	206-44-0	94	< 94
Fluorene	86-73-7	94	< 94
Hexachlorobenzene	118-74-1	188	< 188
Hexachlorobutadiene	87-68-3	94	< 94
Hexachlorocyclopentadiene	77-47-4	470	< 470
Hexachloroethane	67-72-1	188	< 188

Alden Analytical
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REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D5
Date of Sample Receipt: 10/15/91
Date of Sample Extraction: 10/24/91
Date of Sample Analysis: 11/21/91

Alden Job Number: 9110024/1
Alden Sample Number: 8792A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	188	< 188
Isophorone	78-59-1	94	< 94
2-Methylnaphthalene	91-57-6	94	< 94
Naphthalene	91-20-3	94	< 94
2-Nitroaniline	88-74-4	188	< 188
3-Nitroaniline	99-09-2	188	< 188
4-Nitroaniline	100-01-6	188	< 188
Nitrobenzene	98-95-3	94	< 94
N-Nitrosodiphenylamine	86-30-6	94	< 94
N-Nitrosodi-n-propylamine	621-64-7	94	< 94
Phenanthrene	85-01-8	94	< 94
Pyrene	129-00-0	94	< 94
1,2,4-Trichlorobenzene	120-82-1	188	< 188
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1880	< 1880
4-Chloro-3-methylphenol	59-50-7	188	< 188
2-Chlorophenol	95-57-8	94	< 94
2,4-Dichlorophenol	120-83-2	188	< 188
2,4-Dimethylphenol	105-67-9	94	< 94
2,4-Dinitrophenol	51-28-5	940	< 940
2-Methylphenol	95-48-7	188	< 188
2-Methyl-4,6-dinitrophenol	534-52-1	940	< 940
4-Methylphenol	106-44-5	188	< 188
2-Nitrophenol	88-75-5	188	< 188
4-Nitrophenol	100-02-7	940	< 940
Pentachlorophenol	87-86-5	940	< 940
Phenol	108-95-2	94	< 94
2,4,5-Trichlorophenol	95-95-4	188	< 188
2,4,6-Trichlorophenol	88-06-2	188	< 188

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	49	23 - 120
2-Fluorobiphenyl	100 ug	55	30 - 115
P-Terphenyl-d_{14}	100 ug	73	18 - 137
Phenol-d_5	200 ug	31	24 - 113
2-Fluorophenol	200 ug	38	25 - 121
2,4,6-Tribromophenol	200 ug	58	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D6
Date of Sample Receipt: 10/15/91
Date of Sample Extraction: 10/24/91
Date of Sample Analysis: 11/21/91

Alden Job Number: 9110024/1
Alden Sample Number: 8793A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	96	< 96
Acenaphthylene	208-96-8	96	< 96
Aniline	62-53-3	96	< 96
Anthracene	120-12-7	96	< 96
Azobenzene	103-33-3	96	< 96
Benzo(a)anthracene	56-55-3	96	< 96
Benzo(b)fluoranthene	205-99-2	192	< 192
Benzo(k)fluoranthene	207-08-9	192	< 192
Benzo(a)pyrene	50-32-8	192	< 192
Benzo(g,h,i)perylene	191-24-2	192	< 192
Benzyl alcohol	100-51-6	96	< 96
Benzyl butyl phthalate	85-68-7	96	< 96
bis(2-Chloroethyl) ether	111-44-4	96	< 96
bis(2-Chloroethoxy) methane	111-91-1	96	< 96
bis(2-Ethylhexyl) phthalate	117-81-7	96	510
bis(2-Chloroisopropyl) ether	108-60-1	96	< 96
4-Bromophenyl phenyl ether	101-55-3	192	< 192
4-Chloroaniline	106-47-8	192	< 192
2-Chloronaphthalene	91-58-7	96	< 96
4-Chlorophenyl phenyl ether	7005-72-3	96	< 96
Chrysene	218-01-9	96	< 96
Dibenzo(a,h)anthracene	53-70-3	192	< 192
Dibenzofuran	132-64-9	96	< 96
Di-n-butyl phthalate	84-74-2	96	< 96
1,3-Dichlorobenzene	541-73-1	96	< 96
1,2-Dichlorobenzene	95-50-1	96	< 96
1,4-Dichlorobenzene	106-46-7	96	< 96
3,3'-Dichlorobenzidine	91-94-1	960	< 960
Diethyl phthalate	84-66-2	192	< 192
Dimethyl phthalate	131-11-3	96	< 96
2,4-Dinitrotoluene	121-14-2	96	< 96
2,6-Dinitrotoluene	606-20-2	96	< 96
Di-n-octyl phthalate	117-84-0	192	< 192
Fluoranthene	206-44-0	96	< 96
Fluorene	86-73-7	96	< 96
Hexachlorobenzene	118-74-1	192	< 192
Hexachlorobutadiene	87-68-3	96	< 96
Hexachlorocyclopentadiene	77-47-4	480	< 480
Hexachloroethane	67-72-1	192	< 192

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D6	Alden Sample Number: 8793A
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/21/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	192	< 192
Isophorone	78-59-1	96	< 96
2-Methylnaphthalene	91-57-6	96	< 96
Naphthalene	91-20-3	96	< 96
2-Nitroaniline	88-74-4	192	< 192
3-Nitroaniline	99-09-2	192	< 192
4-Nitroaniline	100-01-6	192	< 192
Nitrobenzene	98-95-3	96	< 96
N-Nitrosodiphenylamine	86-30-6	96	< 96
N-Nitrosodi-n-propylamine	621-64-7	96	< 96
Phenanthrene	85-01-8	96	< 96
Pyrene	129-00-0	96	< 96
1,2,4-Trichlorobenzene	120-82-1	192	< 192
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1920	< 1920
4-Chloro-3-methylphenol	59-50-7	192	< 192
2-Chlorophenol	95-57-8	96	< 96
2,4-Dichlorophenol	120-83-2	192	< 192
2,4-Dimethylphenol	105-67-9	96	< 96
2,4-Dinitrophenol	51-28-5	960	< 960
2-Methylphenol	95-48-7	192	< 192
2-Methyl-4,6-dinitrophenol	534-52-1	960	< 960
4-Methylphenol	106-44-5	192	< 192
2-Nitrophenol	88-75-5	192	< 192
4-Nitrophenol	100-02-7	960	< 960
Pentachlorophenol	87-86-5	960	< 960
Phenol	108-95-2	96	< 96
2,4,5-Trichlorophenol	95-95-4	192	< 192
2,4,6-Trichlorophenol	88-06-2	192	< 192

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	61	23 - 120
2-Fluorobiphenyl	100 ug	63	30 - 115
P-Terphenyl-d_{14}	100 ug	72	18 - 137
Phenol-d_5	200 ug	51	24 - 113
2-Fluorophenol	200 ug	47	25 - 121
2,4,6-Tribromophenol	200 ug	54	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D7	Alden Sample Number: 8794
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/21/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-91	88	< 88
Acenaphthylene	208-96-8	88	< 88
Aniline	62-53-3	88	< 88
Anthracene	120-12-7	88	< 88
Azobenzene	103-33-3	88	< 88
Benzo(a)anthracene	56-55-3	88	< 88
Benzo(b)fluoranthene	205-99-2	176	< 176
Benzo(k)fluoranthene	207-08-9	176	< 176
Benzo(a)pyrene	50-32-8	176	< 176
Benzo(g,h,i)perylene	191-24-2	176	< 176
Benzyl alcohol	100-51-6	88	< 88
Benzyl butyl phthalate	85-68-7	88	< 88
bis(2-Chloroethyl) ether	111-44-4	88	< 88
bis(2-Chloroethoxy) methane	111-91-1	88	< 88
bis(2-Ethylhexyl) phthalate	117-81-7	88	250
bis(2-Chloroisopropyl) ether	108-60-1	88	< 88
4-Bromophenyl phenyl ether	101-55-3	176	< 176
4-Chloroaniline	106-47-8	176	< 176
2-Chloronaphthalene	91-58-7	88	< 88
4-Chlorophenyl phenyl ether	7005-72-3	88	< 88
Chrysene	218-01-9	88	< 88
Dibenzo(a,h)anthracene	53-70-3	176	< 176
Dibenzofuran	132-64-9	88	< 88
Di-n-butyl phthalate	84-74-2	88	< 88
1,3-Dichlorobenzene	541-73-1	88	< 88
1,2-Dichlorobenzene	95-50-1	88	< 88
1,4-Dichlorobenzene	106-46-7	88	< 88
3,3'-Dichlorobenzidine	91-94-1	880	< 880
Diethyl phthalate	84-66-2	176	< 176
Dimethyl phthalate	131-11-3	88	< 88
2,4-Dinitrotoluene	121-14-2	88	< 88
2,6-Dinitrotoluene	606-20-2	88	< 88
Di-n-octyl phthalate	117-84-0	176	< 176
Fluoranthene	206-44-0	88	< 88
Fluorene	86-73-7	88	< 88
Hexachlorobenzene	118-74-1	176	< 176
Hexachlorobutadiene	87-68-3	88	< 88
Hexachlorocyclopentadiene	77-47-4	440	< 440
Hexachloroethane	67-72-1	176	< 176

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D7	Alden Sample Number: 8794
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/21/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	176	< 176
Isophorone	78-59-1	88	< 88
2-Methylnaphthalene	91-57-6	88	< 88
Naphthalene	91-20-3	88	< 88
2-Nitroaniline	88-74-4	176	< 176
3-Nitroaniline	99-09-2	176	< 176
4-Nitroaniline	100-01-6	176	< 176
Nitrobenzene	98-95-3	88	< 88
N-Nitrosodiphenylamine	86-30-6	88	< 88
N-Nitrosodi-n-propylamine	621-64-7	88	< 88
Phenanthrene	85-01-8	88	< 88
Pyrene	129-00-0	88	< 88
1,2,4-Trichlorobenzene	120-82-1	176	< 176
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1760	< 1760
4-Chloro-3-methylphenol	59-50-7	176	< 176
2-Chlorophenol	95-57-8	88	< 88
2,4-Dichlorophenol	120-83-2	176	< 176
2,4-Dimethylphenol	105-67-9	88	< 88
2,4-Dinitrophenol	51-28-5	880	< 880
2-Methylphenol	95-48-7	176	< 176
2-Methyl-4,6-dinitrophenol	534-52-1	880	< 880
4-Methylphenol	106-44-5	176	< 176
2-Nitrophenol	88-75-5	176	< 176
4-Nitrophenol	100-02-7	880	< 880
Pentachlorophenol	87-86-5	880	< 880
Phenol	108-95-2	88	< 88
2,4,5-Trichlorophenol	95-95-4	176	< 176
2,4,6-Trichlorophenol	88-06-2	176	< 176

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	37	23 - 120
2-Fluorobiphenyl	100 ug	43	30 - 115
P-Terphenyl-d_{14}	100 ug	67	18 - 137
Phenol-d_5	200 ug	33	24 - 113
2-Fluorophenol	200 ug	33	25 - 121
2,4,6-Tribromophenol	200 ug	51	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D8	Alden Sample Number: 8795A
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/21/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	92	< 92
Acenaphthylene	208-96-8	92	< 92
Aniline	62-53-3	92	< 92
Anthracene	120-12-7	92	< 92
Azobenzene	103-33-3	92	< 92
Benzo(a)anthracene	56-55-3	92	< 92
Benzo(b)fluoranthene	205-99-2	184	< 184
Benzo(k)fluoranthene	207-08-9	184	< 184
Benzo(a)pyrene	50-32-8	184	< 184
Benzo(g,h,i)perylene	191-24-2	184	< 184
Benzyl alcohol	100-51-6	92	< 92
Benzyl butyl phthalate	85-68-7	92	< 92
bis(2-Chloroethyl) ether	111-44-4	92	< 92
bis(2-Chloroethoxy) methane	111-91-1	92	< 92
bis(2-Ethylhexyl) phthalate	117-81-7	92	260
bis(2-Chloroisopropyl) ether	108-60-1	92	< 92
4-Bromophenyl phenyl ether	101-55-3	184	< 184
4-Chloroaniline	106-47-8	184	< 184
2-Chloronaphthalene	91-58-7	92	< 92
4-Chlorophenyl phenyl ether	7005-72-3	92	< 92
Chrysene	218-01-9	92	< 92
Dibenzo(a,h)anthracene	53-70-3	184	< 184
Dibenzofuran	132-64-9	92	< 92
Di-n-butyl phthalate	84-74-2	92	< 92
1,3-Dichlorobenzene	541-73-1	92	< 92
1,2-Dichlorobenzene	95-50-1	92	< 92
1,4-Dichlorobenzene	106-46-7	92	< 92
3,3'-Dichlorobenzidine	91-94-1	920	< 920
Diethyl phthalate	84-66-2	184	< 184
Dimethyl phthalate	131-11-3	92	< 92
2,4-Dinitrotoluene	121-14-2	92	< 92
2,6-Dinitrotoluene	606-20-2	92	< 92
Di-n-octyl phthalate	117-84-0	184	< 184
Fluoranthene	206-44-0	92	< 92
Fluorene	86-73-7	92	< 92
Hexachlorobenzene	118-74-1	184	< 184
Hexachlorobutadiene	87-68-3	92	< 92
Hexachlorocyclopentadiene	77-47-4	460	< 460
Hexachloroethane	67-72-1	184	< 184

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D8	Alden Sample Number: 8795A
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/21/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	184	< 184
Isophorone	78-59-1	92	< 92
2-Methylnaphthalene	91-57-6	92	< 92
Naphthalene	91-20-3	92	< 92
2-Nitroaniline	88-74-4	184	< 184
3-Nitroaniline	99-09-2	184	< 184
4-Nitroaniline	100-01-6	184	< 184
Nitrobenzene	98-95-3	92	< 92
N-Nitrosodiphenylamine	86-30-6	92	< 92
N-Nitrosodi-n-propylamine	621-64-7	92	< 92
Phenanthrene	85-01-8	92	< 92
Pyrene	129-00-0	92	< 92
1,2,4-Trichlorobenzene	120-82-1	184	< 184
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1840	< 1840
4-Chloro-3-methylphenol	59-50-7	184	< 184
2-Chlorophenol	95-57-8	92	< 92
2,4-Dichlorophenol	120-83-2	184	< 184
2,4-Dimethylphenol	105-67-9	92	< 92
2,4-Dinitrophenol	51-28-5	920	< 920
2-Methylphenol	95-48-7	184	< 184
2-Methyl-4,6-dinitrophenol	534-52-1	920	< 920
4-Methylphenol	106-44-5	184	< 184
2-Nitrophenol	88-75-5	184	< 184
4-Nitrophenol	100-02-7	920	< 920
Pentachlorophenol	87-86-5	920	< 920
Phenol	108-95-2	92	< 92
2,4,5-Trichlorophenol	95-95-4	184	< 184
2,4,6-Trichlorophenol	88-06-2	184	< 184

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	38	23 - 120
2-Fluorobiphenyl	100 ug	49	30 - 115
P-Terphenyl-d_{14}	100 ug	76	18 - 137
Phenol-d_5	200 ug	40	24 - 113
2-Fluorophenol	200 ug	35	25 - 121
2,4,6-Tribromophenol	200 ug	60	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D9	Alden Sample Number: 8796A
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/21/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	46	< 46
Acenaphthylene	208-96-8	46	< 46
Aniline	62-53-3	46	< 46
Anthracene	120-12-7	46	< 46
Azobenzene	103-33-3	46	< 46
Benzo(a)anthracene	56-55-3	46	< 46
Benzo(b)fluoranthene	205-99-2	92	< 92
Benzo(k)fluoranthene	207-08-9	92	< 92
Benzo(a)pyrene	50-32-8	92	< 92
Benzo(g,h,i)perylene	191-24-2	92	< 92
Benzyl alcohol	100-51-6	46	< 46
Benzyl butyl phthalate	85-68-7	46	< 46
bis(2-Chloroethyl) ether	111-44-4	46	< 46
bis(2-Chloroethoxy) methane	111-91-1	46	< 46
bis(2-Ethylhexyl) phthalate	117-81-7	46	410
bis(2-Chloroisopropyl) ether	108-60-1	46	< 46
4-Bromophenyl phenyl ether	101-55-3	92	< 92
4-Chloroaniline	106-47-8	92	< 92
2-Chloronaphthalene	91-58-7	46	< 46
4-Chlorophenyl phenyl ether	7005-72-3	46	< 46
Chrysene	218-01-9	46	< 46
Dibenzo(a,h)anthracene	53-70-3	92	< 92
Dibenzofuran	132-64-9	46	< 46
Di-n-butyl phthalate	84-74-2	46	< 46
1,3-Dichlorobenzene	541-73-1	46	< 46
1,2-Dichlorobenzene	95-50-1	46	< 46
1,4-Dichlorobenzene	106-46-7	46	< 46
3,3'-Dichlorobenzidine	91-94-1	460	< 460
Diethyl phthalate	84-66-2	92	< 92
Dimethyl phthalate	131-11-3	46	< 46
2,4-Dinitrotoluene	121-14-2	46	< 46
2,6-Dinitrotoluene	606-20-2	46	< 46
Di-n-octyl phthalate	117-84-0	92	< 92
Fluoranthene	206-44-0	46	< 46
Fluorene	86-73-7	46	< 46
Hexachlorobenzene	118-74-1	92	< 92
Hexachlorobutadiene	87-68-3	46	< 46
Hexachlorocyclopentadiene	77-47-4	230	< 230
Hexachloroethane	67-72-1	92	< 92

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: D9	Alden Sample Number: 8796A
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/21/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	92	< 92
Isophorone	78-59-1	46	< 46
2-Methylnaphthalene	91-57-6	46	< 46
Naphthalene	91-20-3	46	< 46
2-Nitroaniline	88-74-4	92	< 92
3-Nitroaniline	99-09-2	92	< 92
4-Nitroaniline	100-01-6	92	< 92
Nitrobenzene	98-95-3	46	< 46
N-Nitrosodiphenylamine	86-30-6	46	< 46
N-Nitrosodi-n-propylamine	621-64-7	46	< 46
Phenanthrene	85-01-8	46	< 46
Pyrene	129-00-0	46	< 46
1,2,4-Trichlorobenzene	120-82-1	92	< 92
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	920	< 920
4-Chloro-3-methylphenol	59-50-7	92	< 92
2-Chlorophenol	95-57-8	46	< 46
2,4-Dichlorophenol	120-83-2	92	< 92
2,4-Dimethylphenol	105-67-9	46	< 46
2,4-Dinitrophenol	51-28-5	460	< 460
2-Methylphenol	95-48-7	92	< 92
2-Methyl-4,6-dinitrophenol	534-52-1	460	< 460
4-Methylphenol	106-44-5	92	< 92
2-Nitrophenol	88-75-5	92	< 92
4-Nitrophenol	100-02-7	460	< 460
Pentachlorophenol	87-86-5	460	< 460
Phenol	108-95-2	46	< 46
2,4,5-Trichlorophenol	95-95-4	92	< 92
2,4,6-Trichlorophenol	88-06-2	92	< 92

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	49	23 - 120
2-Fluorobiphenyl	100 ug	53	30 - 115
P-Terphenyl-d_{14}	100 ug	66	18 - 137
Phenol-d_5	200 ug	47	24 - 113
2-Fluorophenol	200 ug	36	25 - 121
2,4,6-Tribromophenol	200 ug	63	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: E3	Alden Sample Number: 8797A
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/21/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	42	< 42
Acenaphthylene	208-96-8	42	< 42
Aniline	62-53-3	42	< 42
Anthracene	120-12-7	42	< 42
Azobenzene	103-33-3	42	< 42
Benzo(a)anthracene	56-55-3	42	< 42
Benzo(b)fluoranthene	205-99-2	84	< 84
Benzo(k)fluoranthene	207-08-9	84	< 84
Benzo(a)pyrene	50-32-8	84	< 84
Benzo(g,h,i)perylene	191-24-2	84	< 84
Benzyl alcohol	100-51-6	42	< 42
Benzyl butyl phthalate	85-68-7	42	< 42
bis(2-Chloroethyl) ether	111-44-4	42	< 42
bis(2-Chloroethoxy) methane	111-91-1	42	< 42
bis(2-Ethylhexyl) phthalate	117-81-7	42	240
bis(2-Chloroisopropyl) ether	108-60-1	42	< 42
4-Bromophenyl phenyl ether	101-55-3	84	< 84
4-Chloroaniline	106-47-8	84	< 84
2-Chloronaphthalene	91-58-7	42	< 42
4-Chlorophenyl phenyl ether	7005-72-3	42	< 42
Chrysene	218-01-9	42	< 42
Dibenzo(a,h)anthracene	53-70-3	84	< 84
Dibenzofuran	132-64-9	42	< 42
Di-n-butyl phthalate	84-74-2	42	< 42
1,3-Dichlorobenzene	541-73-1	42	< 42
1,2-Dichlorobenzene	95-50-1	42	< 42
1,4-Dichlorobenzene	106-46-7	42	< 42
3,3'-Dichlorobenzidine	91-94-1	420	< 420
Diethyl phthalate	84-66-2	84	< 84
Dimethyl phthalate	131-11-3	42	< 42
2,4-Dinitrotoluene	121-14-2	42	< 42
2,6-Dinitrotoluene	606-20-2	42	< 42
Di-n-octyl phthalate	117-84-0	84	< 84
Fluoranthene	206-44-0	42	< 42
Fluorene	86-73-7	42	< 42
Hexachlorobenzene	118-74-1	84	< 84
Hexachlorobutadiene	87-68-3	42	< 42
Hexachlorocyclopentadiene	77-47-4	210	< 210
Hexachloroethane	67-72-1	84	< 84

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E3
Date of Sample Receipt: 10/15/91
Date of Sample Extraction: 10/24/91
Date of Sample Analysis: 11/21/91

Alden Job Number: 9110024/1
Alden Sample Number: 8797A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	84	< 84
Isophorone	78-59-1	42	< 42
2-Methylnaphthalene	91-57-6	42	< 42
Naphthalene	91-20-3	42	< 42
2-Nitroaniline	88-74-4	84	< 84
3-Nitroaniline	99-09-2	84	< 84
4-Nitroaniline	100-01-6	84	< 84
Nitrobenzene	98-95-3	42	< 42
N-Nitrosodiphenylamine	86-30-6	42	< 42
N-Nitrosodi-n-propylamine	621-64-7	42	< 42
Phenanthrene	85-01-8	42	< 42
Pyrene	129-00-0	42	< 42
1,2,4-Trichlorobenzene	120-82-1	84	< 84
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	840	< 840
4-Chloro-3-methylphenol	59-50-7	84	< 84
2-Chlorophenol	95-57-8	42	< 42
2,4-Dichlorophenol	120-83-2	84	< 84
2,4-Dimethylphenol	105-67-9	42	< 42
2,4-Dinitrophenol	51-28-5	420	< 420
2-Methylphenol	95-48-7	84	< 84
2-Methyl-4,6-dinitrophenol	534-52-1	420	< 420
4-Methylphenol	106-44-5	84	< 84
2-Nitrophenol	88-75-5	84	< 84
4-Nitrophenol	100-02-7	420	< 420
Pentachlorophenol	87-86-5	420	< 420
Phenol	108-95-2	42	< 42
2,4,5-Trichlorophenol	95-95-4	84	< 84
2,4,6-Trichlorophenol	88-06-2	84	< 84

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	48	23 - 120
2-Fluorobiphenyl	100 ug	53	30 - 115
P-Terphenyl-d_{14}	100 ug	76	18 - 137
Phenol-d_5	200 ug	46	24 - 113
2-Fluorophenol	200 ug	41	25 - 121
2,4,6-Tribromophenol	200 ug	72	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E4
Date of Sample Receipt: 10/15/91
Date of Sample Extraction: 10/24/91
Date of Sample Analysis: 11/20/91

Alden Job Number: 9110024/1
Alden Sample Number: 8798A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	44	< 44
Acenaphthylene	208-96-8	44	< 44
Aniline	62-53-3	44	< 44
Anthracene	120-12-7	44	< 44
Azobenzene	103-33-3	44	< 44
Benzo(a)anthracene	56-55-3	44	< 44
Benzo(b)fluoranthene	205-99-2	88	< 88
Benzo(k)fluoranthene	207-08-9	88	< 88
Benzo(a)pyrene	50-32-8	88	< 88
Benzo(g,h,i)perylene	191-24-2	88	< 88
Benzyl alcohol	100-51-6	44	< 44
Benzyl butyl phthalate	85-68-7	44	< 44
bis(2-Chloroethyl) ether	111-44-4	44	< 44
bis(2-Chloroethoxy) methane	111-91-1	44	< 44
bis(2-Ethylhexyl) phthalate	117-81-7	44	230
bis(2-Chloroisopropyl) ether	108-60-1	44	< 44
4-Bromophenyl phenyl ether	101-55-3	88	< 88
4-Chloroaniline	106-47-8	88	< 88
2-Chloronaphthalene	91-58-7	44	< 44
4-Chlorophenyl phenyl ether	7005-72-3	44	< 44
Chrysene	218-01-9	44	< 44
Dibenzo(a,h)anthracene	53-70-3	88	< 88
Dibenzofuran	132-64-9	44	< 44
Di-n-butyl phthalate	84-74-2	44	< 44
1,3-Dichlorobenzene	541-73-1	44	< 44
1,2-Dichlorobenzene	95-50-1	44	< 44
1,4-Dichlorobenzene	106-46-7	44	< 44
3,3'-Dichlorobenzidine	91-94-1	440	< 440
Diethyl phthalate	84-66-2	88	< 88
Dimethyl phthalate	131-11-3	44	< 44
2,4-Dinitrotoluene	121-14-2	44	< 44
2,6-Dinitrotoluene	606-20-2	44	< 44
Di-n-octyl phthalate	117-84-0	88	< 88
Fluoranthene	206-44-0	44	< 44
Fluorene	86-73-7	44	< 44
Hexachlorobenzene	118-74-1	88	< 88
Hexachlorobutadiene	87-68-3	44	< 44
Hexachlorocyclopentadiene	77-47-4	220	< 220
Hexachloroethane	67-72-1	88	< 88

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: E4	Alden Sample Number: 8798A
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/20/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	88	< 88
Isophorone	78-59-1	44	< 44
2-Methylnaphthalene	91-57-6	44	< 44
Naphthalene	91-20-3	44	< 44
2-Nitroaniline	88-74-4	88	< 88
3-Nitroaniline	99-09-2	88	< 88
4-Nitroaniline	100-01-6	88	< 88
Nitrobenzene	98-95-3	44	< 44
N-Nitrosodiphenylamine	86-30-6	44	< 44
N-Nitrosodi-n-propylamine	621-64-7	44	< 44
Phenanthrene	85-01-8	44	< 44
Pyrene	129-00-0	44	< 44
1,2,4-Trichlorobenzene	120-82-1	88	< 88
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	880	< 880
4-Chloro-3-methylphenol	59-50-7	88	< 88
2-Chlorophenol	95-57-8	44	< 44
2,4-Dichlorophenol	120-83-2	88	< 88
2,4-Dimethylphenol	105-67-9	44	< 44
2,4-Dinitrophenol	51-28-5	440	< 440
2-Methylphenol	95-48-7	88	< 88
2-Methyl-4,6-dinitrophenol	534-52-1	440	< 440
4-Methylphenol	106-44-5	88	< 88
2-Nitrophenol	88-75-5	88	< 88
4-Nitrophenol	100-02-7	440	< 440
Pentachlorophenol	87-86-5	440	< 440
Phenol	108-95-2	44	< 44
2,4,5-Trichlorophenol	95-95-4	88	< 88
2,4,6-Trichlorophenol	88-06-2	88	320

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	39	23 - 120
2-Fluorobiphenyl	100 ug	46	30 - 115
P-Terphenyl-d_{14}	100 ug	65	18 - 137
Phenol-d_5	200 ug	25	24 - 113
2-Fluorophenol	200 ug	32	25 - 121
2,4,6-Tribromophenol	200 ug	2	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: Spike Duplicate
Date of Sample Receipt: 10/15/91
Date of Sample Extraction: 10/24/91
Date of Sample Analysis: 11/21/91

Alden Job Number: 9110024/1
Alden Sample Number: 8798A MSD
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	8772	31	26 - 90
2-Chlorophenol	8772	33	25 - 102
1,4-Dichlorobenzene	4386	22	28 - 104
N-Nitroso-di-n-propylamine	4386	33	41 - 126
1,2,4-Trichlorobenzene	4386	32	38 - 107
4-Chloro-3-methylphenol	8772	47	26 - 103
Acenaphthene	4386	43	31 - 137
4-Nitrophenol	8772	43	11 - 114
2,4-Dinitrotoluene	4386	47	28 - 89
Pentachlorophenol	8772	94	17 - 109
Pyrene	4386	58	35 - 142

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110024/1
Client Sample Number: Matrix Spike	Alden Sample Number: 8798A MS
Date of Sample Receipt: 10/15/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/24/91	Matrix: Sediment
Date of Sample Analysis: 11/21/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	8772	28	26 - 90
2-Chlorophenol	8772	24	25 - 102
1,4-Dichlorobenzene	4386	7	28 - 104
N-Nitroso-di-n-propylamine	4386	31	41 - 126
1,2,4-Trichlorobenzene	4386	22	38 - 107
4-Chloro-3-methylphenol	8772	39	26 - 103
Acenaphthene	4386	42	31 - 137
4-Nitrophenol	8772	40	11 - 114
2,4-Dinitrotoluene	4386	39	28 - 89
Pentachlorophenol	8772	60	17 - 109
Pyrene	4386	46	35 - 142

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110001/1
Client Sample Number: E10	Alden Sample Number: 8629A
Date of Sample Receipt: 10/2/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/4/91	Matrix: Sediment
Date of Sample Analysis: 10/28/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	88	< 88
Isophorone	78-59-1	44	< 44
2-Methylnaphthalene	91-57-6	44	< 44
Naphthalene	91-20-3	44	< 44
2-Nitroaniline	88-74-4	88	< 88
3-Nitroaniline	99-09-2	88	< 88
4-Nitroaniline	100-01-6	88	< 88
Nitrobenzene	98-95-3	44	< 44
N-Nitrosodiphenylamine	86-30-6	44	< 44
N-Nitrosodi-n-propylamine	621-64-7	44	< 44
Phenanthrene	85-01-8	44	< 44
Pyrene	129-00-0	44	< 44
1,2,4-Trichlorobenzene	120-82-1	88	< 88
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	880	< 880
4-Chloro-3-methylphenol	59-50-7	88	< 88
2-Chlorophenol	95-57-8	44	< 44
2,4-Dichlorophenol	120-83-2	88	< 88
2,4-Dimethylphenol	105-67-9	44	< 44
2,4-Dinitrophenol	51-28-5	440	< 440
2-Methylphenol	95-48-7	88	< 88
2-Methyl-4,6-dinitrophenol	534-52-1	440	< 440
4-Methylphenol	106-44-5	88	< 88
2-Nitrophenol	88-75-5	88	< 88
4-Nitrophenol	100-02-7	440	< 440
Pentachlorophenol	87-86-5	440	< 440
Phenol	108-95-2	44	< 44
2,4,5-Trichlorophenol	95-95-4	88	< 88
2,4,6-Trichlorophenol	88-06-2	88	< 88

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	59	23 - 120
2-Fluorobiphenyl	100 ug	68	30 - 115
P-Terphenyl-d_{14}	100 ug	77	18 - 137
Phenol-d_5	200 ug	43	24 - 113
2-Fluorophenol	200 ug	53	25 - 121
2,4,6-Tribromophenol	200 ug	79	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	50	< 50
Acenaphthylene	208-96-8	50	< 50
Aniline	62-53-3	50	< 50
Anthracene	120-12-7	50	< 50
Azobenzene	103-33-3	50	< 50
Benzo(a)anthracene	56-55-3	50	< 50
Benzo(b)fluoranthene	205-99-2	100	< 100
Benzo(k)fluoranthene	207-08-9	100	< 100
Benzo(a)pyrene	50-32-8	100	< 100
Benzo(g,h,i)perylene	191-24-2	100	< 100
Benzyl alcohol	100-51-6	50	< 50
Benzyl butyl phthalate	85-68-7	50	< 50
bis(2-Chloroethyl) ether	111-44-4	50	< 50
bis(2-Chloroethoxy) methane	111-91-1	50	< 50
bis(2-Ethylhexyl) phthalate	117-81-7	50	< 50
bis(2-Chloroisopropyl) ether	108-60-1	50	< 50
4-Bromophenyl phenyl ether	101-55-3	100	< 100
4-Chloroaniline	106-47-8	100	< 100
2-Chloronaphthalene	91-58-7	50	< 50
4-Chlorophenyl phenyl ether	7005-72-3	50	< 50
Chrysene	218-01-9	50	< 50
Dibenzo(a,h)anthracene	53-70-3	100	< 100
Dibenzofuran	132-64-9	50	< 50
Di-n-butyl phthalate	84-74-2	50	< 50
1,3-Dichlorobenzene	541-73-1	50	< 50
1,2-Dichlorobenzene	95-50-1	50	< 50
1,4-Dichlorobenzene	106-46-7	50	< 50
3,3'-Dichlorobenzidine	91-94-1	500	< 500
Diethyl phthalate	84-66-2	100	< 100
Dimethyl phthalate	131-11-3	50	< 50
2,4-Dinitrotoluene	121-14-2	50	< 50
2,6-Dinitrotoluene	606-20-2	50	< 50
Di-n-octyl phthalate	117-84-0	100	< 100
Fluoranthene	206-44-0	50	< 50
Fluorene	86-73-7	50	< 50
Hexachlorobenzene	118-74-1	100	< 100
Hexachlorobutadiene	87-68-3	50	< 50
Hexachlorocyclopentadiene	77-47-4	250	< 250
Hexachloroethane	67-72-1	100	< 100

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: N/A
Date of Sample Receipt: N/A
Date of Sample Extraction: 10/16/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110013/1
Alden Sample Number: Blank
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	100	< 100
Isophorone	78-59-1	50	< 50
2-Methylnaphthalene	91-57-6	50	< 50
Naphthalene	91-20-3	50	< 50
2-Nitroaniline	88-74-4	100	< 100
3-Nitroaniline	99-09-2	100	< 100
4-Nitroaniline	100-01-6	100	< 100
Nitrobenzene	98-95-3	50	< 50
N-Nitrosodiphenylamine	86-30-6	50	< 50
N-Nitrosodi-n-propylamine	621-64-7	50	< 50
Phenanthrene	85-01-8	50	< 50
Pyrene	129-00-0	50	< 50
1,2,4-Trichlorobenzene	120-82-1	100	< 100
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1000	< 1000
4-Chloro-3-methylphenol	59-50-7	100	< 100
2-Chlorophenol	95-57-8	50	< 50
2,4-Dichlorophenol	120-83-2	100	< 100
2,4-Dimethylphenol	105-67-9	50	< 50
2,4-Dinitrophenol	51-28-5	500	< 500
2-Methylphenol	95-48-7	100	< 100
2-Methyl-4,6-dinitrophenol	534-52-1	500	< 500
4-Methylphenol	106-44-5	100	< 100
2-Nitrophenol	88-75-5	100	< 100
4-Nitrophenol	100-02-7	500	< 500
Pentachlorophenol	87-86-5	500	< 500
Phenol	108-95-2	50	< 50
2,4,5-Trichlorophenol	95-95-4	100	< 100
2,4,6-Trichlorophenol	88-06-2	100	< 100

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	60	23 - 120
2-Fluorobiphenyl	100 ug	72	30 - 115
P-Terphenyl-d_{14}	100 ug	82	18 - 137
Phenol-d_5	200 ug	53	24 - 113
2-Fluorophenol	200 ug	50	25 - 121
2,4,6-Tribromophenol	200 ug	61	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D14
Date of Sample Receipt: 10/8/91
Date of Sample Extraction: 10/16/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110013/1
Alden Sample Number: 8719A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	100	< 100
Acenaphthylene	208-96-8	100	< 100
Aniline	62-53-3	100	< 100
Anthracene	120-12-7	100	< 100
Azobenzene	103-33-3	100	< 100
Benzo(a)anthracene	56-55-3	100	< 100
Benzo(b)fluoranthene	205-99-2	200	< 200
Benzo(k)fluoranthene	207-08-9	200	< 200
Benzo(a)pyrene	50-32-8	200	< 200
Benzo(g,h,i)perylene	191-24-2	200	< 200
Benzyl alcohol	100-51-6	100	< 100
Benzyl butyl phthalate	85-68-7	100	< 100
bis(2-Chloroethyl) ether	111-44-4	100	< 100
bis(2-Chloroethoxy) methane	111-91-1	100	< 100
bis(2-Ethylhexyl) phthalate	117-81-7	100	< 100
bis(2-Chloroisopropyl) ether	108-60-1	100	< 100
4-Bromophenyl phenyl ether	101-55-3	200	< 200
4-Chloroaniline	106-47-8	200	< 200
2-Chloronaphthalene	91-58-7	100	< 100
4-Chlorophenyl phenyl ether	7005-72-3	100	< 100
Chrysene	218-01-9	100	< 100
Dibenzo(a,h)anthracene	53-70-3	200	< 200
Dibenzofuran	132-64-9	100	< 100
Di-n-butyl phthalate	84-74-2	100	< 100
1,3-Dichlorobenzene	541-73-1	100	< 100
1,2-Dichlorobenzene	95-50-1	100	< 100
1,4-Dichlorobenzene	106-46-7	100	< 100
3,3'-Dichlorobenzidine	91-94-1	1000	< 1000
Diethyl phthalate	84-66-2	200	< 200
Dimethyl phthalate	131-11-3	100	< 100
2,4-Dinitrotoluene	121-14-2	100	< 100
2,6-Dinitrotoluene	606-20-2	100	< 100
Di-n-octyl phthalate	117-84-0	200	< 200
Fluoranthene	206-44-0	100	< 100
Fluorene	86-73-7	100	< 100
Hexachlorobenzene	118-74-1	200	< 200
Hexachlorobutadiene	87-68-3	100	< 100
Hexachlorocyclopentadiene	77-47-4	500	< 500
Hexachloroethane	67-72-1	200	< 200

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D14	Alden Sample Number: 8719
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	200	< 200
Isophorone	78-59-1	100	< 100
2-Methylnaphthalene	91-57-6	100	< 100
Naphthalene	91-20-3	100	< 100
2-Nitroaniline	88-74-4	200	< 200
3-Nitroaniline	99-09-2	200	< 200
4-Nitroaniline	100-01-6	200	< 200
Nitrobenzene	98-95-3	100	< 100
N-Nitrosodiphenylamine	86-30-6	100	< 100
N-Nitrosodi-n-propylamine	621-64-7	100	< 100
Phenanthrene	85-01-8	100	< 100
Pyrene	129-00-0	100	< 100
1,2,4-Trichlorobenzene	120-82-1	200	< 200
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2000	< 2000
4-Chloro-3-methylphenol	59-50-7	200	< 200
2-Chlorophenol	95-57-8	100	< 100
2,4-Dichlorophenol	120-83-2	200	< 200
2,4-Dimethylphenol	105-67-9	100	< 100
2,4-Dinitrophenol	51-28-5	1000	< 1000
2-Methylphenol	95-48-7	200	< 200
2-Methyl-4,6-dinitrophenol	534-52-1	1000	< 1000
4-Methylphenol	106-44-5	200	< 200
2-Nitrophenol	88-75-5	200	< 200
4-Nitrophenol	100-02-7	1000	< 1000
Pentachlorophenol	87-86-5	1000	< 1000
Phenol	108-95-2	100	< 100
2,4,5-Trichlorophenol	95-95-4	200	< 200
2,4,6-Trichlorophenol	88-06-2	200	< 200

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	64	23 - 120
2-Fluorobiphenyl	100 ug	77	30 - 115
P-Terphenyl-d_{14}	100 ug	94	18 - 137
Phenol-d_5	200 ug	56	24 - 113
2-Fluorophenol	200 ug	54	25 - 121
2,4,6-Tribromophenol	200 ug	82	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D15
Date of Sample Receipt: 10/8/91
Date of Sample Extraction: 10/16/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110013/1
Alden Sample Number: 8720A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	98	< 98
Acenaphthylene	208-96-8	98	< 98
Aniline	62-53-3	98	< 98
Anthracene	120-12-7	98	< 98
Azobenzene	103-33-3	98	< 98
Benzo(a)anthracene	56-55-3	98	< 98
Benzo(b)fluoranthene	205-99-2	196	< 196
Benzo(k)fluoranthene	207-08-9	196	< 196
Benzo(a)pyrene	50-32-8	196	< 196
Benzo(g,h,i)perylene	191-24-2	196	< 196
Benzyl alcohol	100-51-6	98	< 98
Benzyl butyl phthalate	85-68-7	98	< 98
bis(2-Chloroethyl) ether	111-44-4	98	< 98
bis(2-Chloroethoxy) methane	111-91-1	98	< 98
bis(2-Ethylhexyl) phthalate	117-81-7	98	260
bis(2-Chloroisopropyl) ether	108-60-1	98	< 98
4-Bromophenyl phenyl ether	101-55-3	196	< 196
4-Chloroaniline	106-47-8	196	< 196
2-Chloronaphthalene	91-58-7	98	< 98
4-Chlorophenyl phenyl ether	7005-72-3	98	< 98
Chrysene	218-01-9	98	< 98
Dibenzo(a,h)anthracene	53-70-3	196	< 196
Dibenzofuran	132-64-9	98	< 98
Di-n-butyl phthalate	84-74-2	98	< 98
1,3-Dichlorobenzene	541-73-1	98	< 98
1,2-Dichlorobenzene	95-50-1	98	< 98
1,4-Dichlorobenzene	106-46-7	98	< 98
3,3'-Dichlorobenzidine	91-94-1	980	< 980
Diethyl phthalate	84-66-2	196	< 196
Dimethyl phthalate	131-11-3	98	< 98
2,4-Dinitrotoluene	121-14-2	98	< 98
2,6-Dinitrotoluene	606-20-2	98	< 98
Di-n-octyl phthalate	117-84-0	196	< 196
Fluoranthene	206-44-0	98	< 98
Fluorene	86-73-7	98	< 98
Hexachlorobenzene	118-74-1	196	< 196
Hexachlorobutadiene	87-68-3	98	< 98
Hexachlorocyclopentadiene	77-47-4	490	< 490
Hexachloroethane	67-72-1	196	< 196

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D15	Alden Sample Number: 8720A
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	196	< 196
Isophorone	78-59-1	98	< 98
2-Methylnaphthalene	91-57-6	98	< 98
Naphthalene	91-20-3	98	< 98
2-Nitroaniline	88-74-4	196	< 196
3-Nitroaniline	99-09-2	196	< 196
4-Nitroaniline	100-01-6	196	< 196
Nitrobenzene	98-95-3	98	< 98
N-Nitrosodiphenylamine	86-30-6	98	< 98
N-Nitrosodi-n-propylamine	621-64-7	98	< 98
Phenanthrene	85-01-8	98	< 98
Pyrene	129-00-0	98	< 98
1,2,4-Trichlorobenzene	120-82-1	196	< 196
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1960	< 1960
4-Chloro-3-methylphenol	59-50-7	196	< 196
2-Chlorophenol	95-57-8	98	< 98
2,4-Dichlorophenol	120-83-2	196	< 196
2,4-Dimethylphenol	105-67-9	98	< 98
2,4-Dinitrophenol	51-28-5	980	< 980
2-Methylphenol	95-48-7	196	< 196
2-Methyl-4,6-dinitrophenol	534-52-1	980	< 980
4-Methylphenol	106-44-5	196	< 196
2-Nitrophenol	88-75-5	196	< 196
4-Nitrophenol	100-02-7	980	< 980
Pentachlorophenol	87-86-5	980	< 980
Phenol	108-95-2	98	< 98
2,4,5-Trichlorophenol	95-95-4	196	< 196
2,4,6-Trichlorophenol	88-06-2	196	< 196

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	71	23 - 120
2-Fluorobiphenyl	100 ug	80	30 - 115
P-Terphenyl-d_{14}	100 ug	87	18 - 137
Phenol-d_5	200 ug	63	24 - 113
2-Fluorophenol	200 ug	63	25 - 121
2,4,6-Tribromophenol	200 ug	88	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D16
Date of Sample Receipt: 10/8/91
Date of Sample Extraction: 10/16/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110013/1
Alden Sample Number: 8721A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	124	< 124
Acenaphthylene	208-96-8	124	< 124
Aniline	62-53-3	124	< 124
Anthracene	120-12-7	124	< 124
Azobenzene	103-33-3	124	< 124
Benzo(a)anthracene	56-55-3	124	< 124
Benzo(b)fluoranthene	205-99-2	248	< 248
Benzo(k)fluoranthene	207-08-9	248	< 248
Benzo(a)pyrene	50-32-8	248	< 248
Benzo(g,h,i)perylene	191-24-2	248	< 248
Benzyl alcohol	100-51-6	124	< 124
Benzyl butyl phthalate	85-68-7	124	< 124
bis(2-Chloroethyl) ether	111-44-4	124	< 124
bis(2-Chloroethoxy) methane	111-91-1	124	< 124
bis(2-Ethylhexyl) phthalate	117-81-7	124	< 124
bis(2-Chloroisopropyl) ether	108-60-1	124	< 124
4-Bromophenyl phenyl ether	101-55-3	248	< 248
4-Chloroaniline	106-47-8	248	< 248
2-Chloronaphthalene	91-58-7	124	< 124
4-Chlorophenyl phenyl ether	7005-72-3	124	< 124
Chrysene	218-01-9	124	< 124
Dibenzo(a,h)anthracene	53-70-3	248	< 248
Dibenzofuran	132-64-9	124	< 124
Di-n-butyl phthalate	84-74-2	124	< 124
1,3-Dichlorobenzene	541-73-1	124	< 124
1,2-Dichlorobenzene	95-50-1	124	< 124
1,4-Dichlorobenzene	106-46-7	124	< 124
3,3'-Dichlorobenzidine	91-94-1	1240	< 1240
Diethyl phthalate	84-66-2	248	< 248
Dimethyl phthalate	131-11-3	124	< 124
2,4-Dinitrotoluene	121-14-2	124	< 124
2,6-Dinitrotoluene	606-20-2	124	< 124
Di-n-octyl phthalate	117-84-0	248	< 248
Fluoranthene	206-44-0	124	< 124
Fluorene	86-73-7	124	< 124
Hexachlorobenzene	118-74-1	248	< 248
Hexachlorobutadiene	87-68-3	124	< 124
Hexachlorocyclopentadiene	77-47-4	620	< 620
Hexachloroethane	67-72-1	248	< 248

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D16	Alden Sample Number: 8721
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	248	< 248
Isophorone	78-59-1	124	< 124
2-Methylnaphthalene	91-57-6	124	< 124
Naphthalene	91-20-3	124	< 124
2-Nitroaniline	88-74-4	248	< 248
3-Nitroaniline	99-09-2	248	< 248
4-Nitroaniline	100-01-6	248	< 248
Nitrobenzene	98-95-3	124	< 124
N-Nitrosodiphenylamine	86-30-6	124	< 124
N-Nitrosodi-n-propylamine	621-64-7	124	< 124
Phenanthrene	85-01-8	124	< 124
Pyrene	129-00-0	124	< 124
1,2,4-Trichlorobenzene	120-82-1	248	< 248
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2480	< 2480
4-Chloro-3-methylphenol	59-50-7	248	< 248
2-Chlorophenol	95-57-8	124	< 124
2,4-Dichlorophenol	120-83-2	248	< 248
2,4-Dimethylphenol	105-67-9	124	< 124
2,4-Dinitrophenol	51-28-5	1240	< 1240
2-Methylphenol	95-48-7	248	< 248
2-Methyl-4,6-dinitrophenol	534-52-1	1240	< 1240
4-Methylphenol	106-44-5	248	< 248
2-Nitrophenol	88-75-5	248	< 248
4-Nitrophenol	100-02-7	1240	< 1240
Pentachlorophenol	87-86-5	1240	< 1240
Phenol	108-95-2	124	< 124
2,4,5-Trichlorophenol	95-95-4	248	< 248
2,4,6-Trichlorophenol	88-06-2	248	< 248

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	40	23 - 120
2-Fluorobiphenyl	100 ug	58	30 - 115
P-Terphenyl-d_{14}	100 ug	87	18 - 137
Phenol-d_5	200 ug	42	24 - 113
2-Fluorophenol	200 ug	35	25 - 121
2,4,6-Tribromophenol	200 ug	83	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D17	Alden Sample Number: 8722A
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	98	< 98
Acenaphthylene	208-96-8	98	< 98
Aniline	62-53-3	98	< 98
Anthracene	120-12-7	98	< 98
Azobenzene	103-33-3	98	< 98
Benzo(a)anthracene	56-55-3	98	< 98
Benzo(b)fluoranthene	205-99-2	196	< 196
Benzo(k)fluoranthene	207-08-9	196	< 196
Benzo(a)pyrene	50-32-8	196	< 196
Benzo(g,h,i)perylene	191-24-2	196	< 196
Benzyl alcohol	100-51-6	98	< 98
Benzyl butyl phthalate	85-68-7	98	< 98
bis(2-Chloroethyl) ether	111-44-4	98	< 98
bis(2-Chloroethoxy) methane	111-91-1	98	< 98
bis(2-Ethylhexyl) phthalate	117-81-7	98	< 98
bis(2-Chloroisopropyl) ether	108-60-1	98	< 98
4-Bromophenyl phenyl ether	101-55-3	196	< 196
4-Chloroaniline	106-47-8	196	< 196
2-Chloronaphthalene	91-58-7	98	< 98
4-Chlorophenyl phenyl ether	7005-72-3	98	< 98
Chrysene	218-01-9	98	< 98
Dibenzo(a,h)anthracene	53-70-3	196	< 196
Dibenzofuran	132-64-9	98	< 98
Di-n-butyl phthalate	84-74-2	98	< 98
1,3-Dichlorobenzene	541-73-1	98	< 98
1,2-Dichlorobenzene	95-50-1	98	< 98
1,4-Dichlorobenzene	106-46-7	98	< 98
3,3'-Dichlorobenzidine	91-94-1	980	< 980
Diethyl phthalate	84-66-2	196	< 196
Dimethyl phthalate	131-11-3	98	< 98
2,4-Dinitrotoluene	121-14-2	98	< 98
2,6-Dinitrotoluene	606-20-2	98	< 98
Di-n-octyl phthalate	117-84-0	196	< 196
Fluoranthene	206-44-0	98	< 98
Fluorene	86-73-7	98	< 98
Hexachlorobenzene	118-74-1	196	< 196
Hexachlorobutadiene	87-68-3	98	< 98
Hexachlorocyclopentadiene	77-47-4	490	< 490
Hexachloroethane	67-72-1	196	< 196

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D17
Date of Sample Receipt: 10/8/91
Date of Sample Extraction: 10/16/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110013/1
Alden Sample Number: 8722A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	196	< 196
Isophorone	78-59-1	98	< 98
2-Methylnaphthalene	91-57-6	98	< 98
Naphthalene	91-20-3	98	< 98
2-Nitroaniline	88-74-4	196	< 196
3-Nitroaniline	99-09-2	196	< 196
4-Nitroaniline	100-01-6	196	< 196
Nitrobenzene	98-95-3	98	< 98
N-Nitrosodiphenylamine	86-30-6	98	< 98
N-Nitrosodi-n-propylamine	621-64-7	98	< 98
Phenanthrene	85-01-8	98	< 98
Pyrene	129-00-0	98	< 98
1,2,4-Trichlorobenzene	120-82-1	196	< 196
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1960	< 1960
4-Chloro-3-methylphenol	59-50-7	196	< 196
2-Chlorophenol	95-57-8	98	< 98
2,4-Dichlorophenol	120-83-2	196	< 196
2,4-Dimethylphenol	105-67-9	98	< 98
2,4-Dinitrophenol	51-28-5	980	< 980
2-Methylphenol	95-48-7	196	< 196
2-Methyl-4,6-dinitrophenol	534-52-1	980	< 980
4-Methylphenol	106-44-5	196	< 196
2-Nitrophenol	88-75-5	196	< 196
4-Nitrophenol	100-02-7	980	< 980
Pentachlorophenol	87-86-5	980	< 980
Phenol	108-95-2	98	< 98
2,4,5-Trichlorophenol	95-95-4	196	< 196
2,4,6-Trichlorophenol	88-06-2	196	< 196

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	34	23 - 120
2-Fluorobiphenyl	100 ug	43	30 - 115
P-Terphenyl-d_{14}	100 ug	78	18 - 137
Phenol-d_5	200 ug	32	24 - 113
2-Fluorophenol	200 ug	31	25 - 121
2,4,6-Tribromophenol	200 ug	78	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D13	Alden Sample Number: 8723A
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	98	< 98
Acenaphthylene	208-96-8	98	< 98
Aniline	62-53-3	98	< 98
Anthracene	120-12-7	98	< 98
Azobenzene	103-33-3	98	< 98
Benzo(a)anthracene	56-55-3	98	< 98
Benzo(b)fluoranthene	205-99-2	196	< 196
Benzo(k)fluoranthene	207-08-9	196	< 196
Benzo(a)pyrene	50-32-8	196	< 196
Benzo(g,h,i)perylene	191-24-2	196	< 196
Benzyl alcohol	100-51-6	98	< 98
Benzyl butyl phthalate	85-68-7	98	< 98
bis(2-Chloroethyl) ether	111-44-4	98	< 98
bis(2-Chloroethoxy) methane	111-91-1	98	< 98
bis(2-Ethylhexyl) phthalate	117-81-7	98	< 98
bis(2-Chloroisopropyl) ether	108-60-1	98	< 98
4-Bromophenyl phenyl ether	101-55-3	196	< 196
4-Chloroaniline	106-47-8	196	< 196
2-Chloronaphthalene	91-58-7	98	< 98
4-Chlorophenyl phenyl ether	7005-72-3	98	< 98
Chrysene	218-01-9	98	< 98
Dibenzo(a,h)anthracene	53-70-3	196	< 196
Dibenzofuran	132-64-9	98	< 98
Di-n-butyl phthalate	84-74-2	98	< 98
1,3-Dichlorobenzene	541-73-1	98	< 98
1,2-Dichlorobenzene	95-50-1	98	< 98
1,4-Dichlorobenzene	106-46-7	98	< 98
3,3'-Dichlorobenzidine	91-94-1	980	< 980
Diethyl phthalate	84-66-2	196	< 196
Dimethyl phthalate	131-11-3	98	< 98
2,4-Dinitrotoluene	121-14-2	98	< 98
2,6-Dinitrotoluene	606-20-2	98	< 98
Di-n-octyl phthalate	117-84-0	196	< 196
Fluoranthene	206-44-0	98	< 98
Fluorene	86-73-7	98	< 98
Hexachlorobenzene	118-74-1	196	< 196
Hexachlorobutadiene	87-68-3	98	< 98
Hexachlorocyclopentadiene	77-47-4	490	< 490
Hexachloroethane	67-72-1	196	< 196

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D13	Alden Sample Number: 8723A
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	196	< 196
Isophorone	78-59-1	98	< 98
2-Methylnaphthalene	91-57-6	98	< 98
Naphthalene	91-20-3	98	< 98
2-Nitroaniline	88-74-4	196	< 196
3-Nitroaniline	99-09-2	196	< 196
4-Nitroaniline	100-01-6	196	< 196
Nitrobenzene	98-95-3	98	< 98
N-Nitrosodiphenylamine	86-30-6	98	< 98
N-Nitrosodi-n-propylamine	621-64-7	98	< 98
Phenanthrene	85-01-8	98	< 98
Pyrene	129-00-0	98	< 98
1,2,4-Trichlorobenzene	120-82-1	196	< 196
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1960	< 1960
4-Chloro-3-methylphenol	59-50-7	196	< 196
2-Chlorophenol	95-57-8	98	< 98
2,4-Dichlorophenol	120-83-2	196	< 196
2,4-Dimethylphenol	105-67-9	98	< 98
2,4-Dinitrophenol	51-28-5	980	< 980
2-Methylphenol	95-48-7	196	< 196
2-Methyl-4,6-dinitrophenol	534-52-1	980	< 980
4-Methylphenol	106-44-5	196	< 196
2-Nitrophenol	88-75-5	196	< 196
4-Nitrophenol	100-02-7	980	< 980
Pentachlorophenol	87-86-5	980	< 980
Phenol	108-95-2	98	< 98
2,4,5-Trichlorophenol	95-95-4	196	< 196
2,4,6-Trichlorophenol	88-06-2	196	< 196

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	54	23 - 120
2-Fluorobiphenyl	100 ug	67	30 - 115
P-Terphenyl-d_{14}	100 ug	80	18 - 137
Phenol-d_5	200 ug	51	24 - 113
2-Fluorophenol	200 ug	39	25 - 121
2,4,6-Tribromophenol	200 ug	46	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: D44	Alden Sample Number: 8724A
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	98	< 98
Acenaphthylene	208-96-8	98	< 98
Aniline	62-53-3	98	< 98
Anthracene	120-12-7	98	< 98
Azobenzene	103-33-3	98	< 98
Benzo(a)anthracene	56-55-3	98	< 98
Benzo(b)fluoranthene	205-99-2	196	< 196
Benzo(k)fluoranthene	207-08-9	196	< 196
Benzo(a)pyrene	50-32-8	196	< 196
Benzo(g,h,i)perylene	191-24-2	196	< 196
Benzyl alcohol	100-51-6	98	< 98
Benzyl butyl phthalate	85-68-7	98	< 98
bis(2-Chloroethyl) ether	111-44-4	98	< 98
bis(2-Chloroethoxy) methane	111-91-1	98	< 98
bis(2-Ethylhexyl) phthalate	117-81-7	98	< 98
bis(2-Chloroisopropyl) ether	108-60-1	98	< 98
4-Bromophenyl phenyl ether	101-55-3	196	< 196
4-Chloroaniline	106-47-8	196	< 196
2-Chloronaphthalene	91-58-7	98	< 98
4-Chlorophenyl phenyl ether	7005-72-3	98	< 98
Chrysene	218-01-9	98	< 98
Dibenzo(a,h)anthracene	53-70-3	196	< 196
Dibenzofuran	132-64-9	98	< 98
Di-n-butyl phthalate	84-74-2	98	< 98
1,3-Dichlorobenzene	541-73-1	98	< 98
1,2-Dichlorobenzene	95-50-1	98	< 98
1,4-Dichlorobenzene	106-46-7	98	< 98
3,3'-Dichlorobenzidine	91-94-1	980	< 980
Diethyl phthalate	84-66-2	196	< 196
Dimethyl phthalate	131-11-3	98	< 98
2,4-Dinitrotoluene	121-14-2	98	< 98
2,6-Dinitrotoluene	606-20-2	98	< 98
Di-n-octyl phthalate	117-84-0	196	< 196
Fluoranthene	206-44-0	98	< 98
Fluorene	86-73-7	98	< 98
Hexachlorobenzene	118-74-1	196	< 196
Hexachlorobutadiene	87-68-3	98	< 98
Hexachlorocyclopentadiene	77-47-4	490	< 490
Hexachloroethane	67-72-1	196	< 196

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D44
Date of Sample Receipt: 10/8/91
Date of Sample Extraction: 10/16/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110013/1
Alden Sample Number: 8724A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	196	< 196
Isophorone	78-59-1	98	< 98
2-Methylnaphthalene	91-57-6	98	< 98
Naphthalene	91-20-3	98	< 98
2-Nitroaniline	88-74-4	196	< 196
3-Nitroaniline	99-09-2	196	< 196
4-Nitroaniline	100-01-6	196	< 196
Nitrobenzene	98-95-3	98	< 98
N-Nitrosodiphenylamine	86-30-6	98	< 98
N-Nitrosodi-n-propylamine	621-64-7	98	< 98
Phenanthrene	85-01-8	98	< 98
Pyrene	129-00-0	98	< 98
1,2,4-Trichlorobenzene	120-82-1	196	< 196
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	1960	< 1960
4-Chloro-3-methylphenol	59-50-7	196	< 196
2-Chlorophenol	95-57-8	98	< 98
2,4-Dichlorophenol	120-83-2	196	< 196
2,4-Dimethylphenol	105-67-9	98	< 98
2,4-Dinitrophenol	51-28-5	980	< 980
2-Methylphenol	95-48-7	196	< 196
2-Methyl-4,6-dinitrophenol	534-52-1	980	< 980
4-Methylphenol	106-44-5	196	< 196
2-Nitrophenol	88-75-5	196	< 196
4-Nitrophenol	100-02-7	980	< 980
Pentachlorophenol	87-86-5	980	< 980
Phenol	108-95-2	98	< 98
2,4,5-Trichlorophenol	95-95-4	196	< 196
2,4,6-Trichlorophenol	88-06-2	196	< 196

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	57	23 - 120
2-Fluorobiphenyl	100 ug	68	30 - 115
P-Terphenyl-d_{14}	100 ug	73	18 - 137
Phenol-d_5	200 ug	52	24 - 113
2-Fluorophenol	200 ug	50	25 - 121
2,4,6-Tribromophenol	200 ug	87	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: E5	Alden Sample Number: 8725A
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	40	< 40
Acenaphthylene	208-96-8	40	< 40
Aniline	62-53-3	40	< 40
Anthracene	120-12-7	40	< 40
Azobenzene	103-33-3	40	< 40
Benzo(a)anthracene	56-55-3	40	< 40
Benzo(b)fluoranthene	205-99-2	80	< 80
Benzo(k)fluoranthene	207-08-9	80	< 80
Benzo(a)pyrene	50-32-8	80	< 80
Benzo(g,h,i)perylene	191-24-2	80	< 80
Benzyl alcohol	100-51-6	40	< 40
Benzyl butyl phthalate	85-68-7	40	< 40
bis(2-Chloroethyl) ether	111-44-4	40	< 40
bis(2-Chloroethoxy) methane	111-91-1	40	< 40
bis(2-Ethylhexyl) phthalate	117-81-7	40	< 40
bis(2-Chloroisopropyl) ether	108-60-1	40	< 40
4-Bromophenyl phenyl ether	101-55-3	80	< 80
4-Chloroaniline	106-47-8	80	< 80
2-Chloronaphthalene	91-58-7	40	< 40
4-Chlorophenyl phenyl ether	7005-72-3	40	< 40
Chrysene	218-01-9	40	< 40
Dibenzo(a,h)anthracene	53-70-3	80	< 80
Dibenzofuran	132-64-9	40	< 40
Di-n-butyl phthalate	84-74-2	40	< 40
1,3-Dichlorobenzene	541-73-1	40	< 40
1,2-Dichlorobenzene	95-50-1	40	< 40
1,4-Dichlorobenzene	106-46-7	40	< 40
3,3'-Dichlorobenzidine	91-94-1	400	< 400
Diethyl phthalate	84-66-2	80	< 80
Dimethyl phthalate	131-11-3	40	< 40
2,4-Dinitrotoluene	121-14-2	40	< 40
2,6-Dinitrotoluene	606-20-2	40	< 40
Di-n-octyl phthalate	117-84-0	80	< 80
Fluoranthene	206-44-0	40	< 40
Fluorene	86-73-7	40	< 40
Hexachlorobenzene	118-74-1	80	< 80
Hexachlorobutadiene	87-68-3	40	< 40
Hexachlorocyclopentadiene	77-47-4	200	< 200
Hexachloroethane	67-72-1	80	< 80

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: E5	Alden Sample Number: 8725A
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	80	< 80
Isophorone	78-59-1	40	< 40
2-Methylnaphthalene	91-57-6	40	< 40
Naphthalene	91-20-3	40	< 40
2-Nitroaniline	88-74-4	80	< 80
3-Nitroaniline	99-09-2	80	< 80
4-Nitroaniline	100-01-6	80	< 80
Nitrobenzene	98-95-3	40	< 40
N-Nitrosodiphenylamine	86-30-6	40	< 40
N-Nitrosodi-n-propylamine	621-64-7	40	< 40
Phenanthrene	85-01-8	40	< 40
Pyrene	129-00-0	40	< 40
1,2,4-Trichlorobenzene	120-82-1	80	< 80
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	800	< 800
4-Chloro-3-methylphenol	59-50-7	80	< 80
2-Chlorophenol	95-57-8	40	< 40
2,4-Dichlorophenol	120-83-2	80	< 80
2,4-Dimethylphenol	105-67-9	40	< 40
2,4-Dinitrophenol	51-28-5	400	< 400
2-Methylphenol	95-48-7	80	< 80
2-Methyl-4,6-dinitrophenol	534-52-1	400	< 400
4-Methylphenol	106-44-5	80	< 80
2-Nitrophenol	88-75-5	80	< 80
4-Nitrophenol	100-02-7	400	< 400
Pentachlorophenol	87-86-5	400	< 400
Phenol	108-95-2	40	< 40
2,4,5-Trichlorophenol	95-95-4	80	< 80
2,4,6-Trichlorophenol	88-06-2	80	< 80

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	54	23 - 120
2-Fluorobiphenyl	100 ug	57	30 - 115
P-Terphenyl-d_{14}	100 ug	74	18 - 137
Phenol-d_5	200 ug	45	24 - 113
2-Fluorophenol	200 ug	46	25 - 121
2,4,6-Tribromophenol	200 ug	60	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: Matrix Spike
Date of Sample Receipt: 10/8/91
Date of Sample Extraction: 10/16/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110013/1
Alden Sample Number: 8725A MS
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	7576	52	26 - 90
2-Chlorophenol	7576	54	25 - 102
1,4-Dichlorobenzene	3788	50	28 - 104
N-Nitroso-di-n-propylamine	3788	54	41 - 126
1,2,4-Trichlorobenzene	3788	59	38 - 107
4-Chloro-3-methylphenol	7576	63	26 - 103
Acenaphthene	3788	61	31 - 137
4-Nitrophenol	7576	83	11 - 114
2,4-Dinitrotoluene	3788	57	28 - 89
Pentachlorophenol	7576	142	17 - 109
Pyrene	3788	69	35 - 142

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: Spike Duplicate	Alden Sample Number: 8725A MSD
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	7576	50	26 - 90
2-Chlorophenol	7576	53	25 - 102
1,4-Dichlorobenzene	3788	50	28 - 104
N-Nitroso-di-n-propylamine	3788	53	41 - 126
1,2,4-Trichlorobenzene	3788	60	38 - 107
4-Chloro-3-methylphenol	7576	66	26 - 103
Acenaphthene	3788	61	31 - 137
4-Nitrophenol	7576	81	11 - 114
2,4-Dinitrotoluene	3788	58	28 - 89
Pentachlorophenol	7576	136	17 - 109
Pyrene	3788	64	35 - 142

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: E6	Alden Sample Number: 8726A
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	42	< 42
Acenaphthylene	208-96-8	42	< 42
Aniline	62-53-3	42	< 42
Anthracene	120-12-7	42	< 42
Azobenzene	103-33-3	42	< 42
Benzo(a)anthracene	56-55-3	42	< 42
Benzo(b)fluoranthene	205-99-2	84	< 84
Benzo(k)fluoranthene	207-08-9	84	< 84
Benzo(a)pyrene	50-32-8	84	< 84
Benzo(g,h,i)perylene	191-24-2	84	< 84
Benzyl alcohol	100-51-6	42	< 42
Benzyl butyl phthalate	85-68-7	42	< 42
bis(2-Chloroethyl) ether	111-44-4	42	< 42
bis(2-Chloroethoxy) methane	111-91-1	42	< 42
bis(2-Ethylhexyl) phthalate	117-81-7	42	58
bis(2-Chloroisopropyl) ether	108-60-1	42	< 42
4-Bromophenyl phenyl ether	101-55-3	84	< 84
4-Chloroaniline	106-47-8	84	< 84
2-Chloronaphthalene	91-58-7	42	< 42
4-Chlorophenyl phenyl ether	7005-72-3	42	< 42
Chrysene	218-01-9	42	< 42
Dibenzo(a,h)anthracene	53-70-3	84	< 84
Dibenzofuran	132-64-9	42	< 42
Di-n-butyl phthalate	84-74-2	42	< 42
1,3-Dichlorobenzene	541-73-1	42	< 42
1,2-Dichlorobenzene	95-50-1	42	< 42
1,4-Dichlorobenzene	106-46-7	42	< 42
3,3'-Dichlorobenzidine	91-94-1	420	< 420
Diethyl phthalate	84-66-2	84	< 84
Dimethyl phthalate	131-11-3	42	< 42
2,4-Dinitrotoluene	121-14-2	42	< 42
2,6-Dinitrotoluene	606-20-2	42	< 42
Di-n-octyl phthalate	117-84-0	84	< 84
Fluoranthene	206-44-0	42	< 42
Fluorene	86-73-7	42	< 42
Hexachlorobenzene	118-74-1	84	< 84
Hexachlorobutadiene	87-68-3	42	< 42
Hexachlorocyclopentadiene	77-47-4	210	< 210
Hexachloroethane	67-72-1	84	< 84

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110013/1
Client Sample Number: E6	Alden Sample Number: 8726A
Date of Sample Receipt: 10/8/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/16/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	84	< 84
Isophorone	78-59-1	42	< 42
2-Methylnaphthalene	91-57-6	42	< 42
Naphthalene	91-20-3	42	< 42
2-Nitroaniline	88-74-4	84	< 84
3-Nitroaniline	99-09-2	84	< 84
4-Nitroaniline	100-01-6	84	< 84
Nitrobenzene	98-95-3	42	< 42
N-Nitrosodiphenylamine	86-30-6	42	< 42
N-Nitrosodi-n-propylamine	621-64-7	42	< 42
Phenanthrene	85-01-8	42	< 42
Pyrene	129-00-0	42	< 42
1,2,4-Trichlorobenzene	120-82-1	84	< 84
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	840	< 840
4-Chloro-3-methylphenol	59-50-7	84	< 84
2-Chlorophenol	95-57-8	42	< 42
2,4-Dichlorophenol	120-83-2	84	< 84
2,4-Dimethylphenol	105-67-9	42	< 42
2,4-Dinitrophenol	51-28-5	420	< 420
2-Methylphenol	95-48-7	84	< 84
2-Methyl-4,6-dinitrophenol	534-52-1	420	< 420
4-Methylphenol	106-44-5	84	< 84
2-Nitrophenol	88-75-5	84	< 84
4-Nitrophenol	100-02-7	420	< 420
Pentachlorophenol	87-86-5	420	< 420
Phenol	108-95-2	42	< 42
2,4,5-Trichlorophenol	95-95-4	84	< 84
2,4,6-Trichlorophenol	88-06-2	84	< 84

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	58	23 - 120
2-Fluorobiphenyl	100 ug	62	30 - 115
P-Terphenyl-d_{14}	100 ug	79	18 - 137
Phenol-d_5	200 ug	49	24 - 113
2-Fluorophenol	200 ug	49	25 - 121
2,4,6-Tribromophenol	200 ug	55	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: N/A
Date of Sample Receipt: N/A
Date of Sample Extraction: 10/14/91
Date of Sample Analysis: 11/13/91

Alden Job Number: 9110010/1
Alden Sample Number: Blank
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	40	< 40
Acenaphthylene	208-96-8	40	< 40
Aniline	62-53-3	40	< 40
Anthracene	120-12-7	40	< 40
Azobenzene	103-33-3	40	< 40
Benzo(a)anthracene	56-55-3	40	< 40
Benzo(b)fluoranthene	205-99-2	80	< 80
Benzo(k)fluoranthene	207-08-9	80	< 80
Benzo(a)pyrene	50-32-8	80	< 80
Benzo(g,h,i)perylene	191-24-2	80	< 80
Benzyl alcohol	100-51-6	40	< 40
Benzyl butyl phthalate	85-68-7	40	< 40
bis(2-Chloroethyl) ether	111-44-4	40	< 40
bis(2-Chloroethoxy) methane	111-91-1	40	< 40
bis(2-Ethylhexyl) phthalate	117-81-7	40	< 40
bis(2-Chloroisopropyl) ether	108-60-1	40	< 40
4-Bromophenyl phenyl ether	101-55-3	80	< 80
4-Chloroaniline	106-47-8	80	< 80
2-Chloronaphthalene	91-58-7	40	< 40
4-Chlorophenyl phenyl ether	7005-72-3	40	< 40
Chrysene	218-01-9	40	< 40
Dibenzo(a,h)anthracene	53-70-3	80	< 80
Dibenzofuran	132-64-9	40	< 40
Di-n-butyl phthalate	84-74-2	40	< 40
1,3-Dichlorobenzene	541-73-1	40	< 40
1,2-Dichlorobenzene	95-50-1	40	< 40
1,4-Dichlorobenzene	106-46-7	40	< 40
3,3'-Dichlorobenzidine	91-94-1	400	< 400
Diethyl phthalate	84-66-2	80	< 80
Dimethyl phthalate	131-11-3	40	< 40
2,4-Dinitrotoluene	121-14-2	40	< 40
2,6-Dinitrotoluene	606-20-2	40	< 40
Di-n-octyl phthalate	117-84-0	80	< 80
Fluoranthene	206-44-0	40	< 40
Fluorene	86-73-7	40	< 40
Hexachlorobenzene	118-74-1	80	< 80
Hexachlorobutadiene	87-68-3	40	< 40
Hexachlorocyclopentadiene	77-47-4	200	< 200
Hexachloroethane	67-72-1	80	< 80

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: N/A	Alden Sample Number: Blank
Date of Sample Receipt: N/A	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 11/13/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	80	< 80
Isophorone	78-59-1	40	< 40
2-Methylnaphthalene	91-57-6	40	< 40
Naphthalene	91-20-3	40	< 40
2-Nitroaniline	88-74-4	80	< 80
3-Nitroaniline	99-09-2	80	< 80
4-Nitroaniline	100-01-6	80	< 80
Nitrobenzene	98-95-3	40	< 40
N-Nitrosodiphenylamine	86-30-6	40	< 40
N-Nitrosodi-n-propylamine	621-64-7	40	< 40
Phenanthrene	85-01-8	40	< 40
Pyrene	129-00-0	40	< 40
1,2,4-Trichlorobenzene	120-82-1	80	< 80
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	800	< 800
4-Chloro-3-methylphenol	59-50-7	80	< 80
2-Chlorophenol	95-57-8	40	< 40
2,4-Dichlorophenol	120-83-2	80	< 80
2,4-Dimethylphenol	105-67-9	40	< 40
2,4-Dinitrophenol	51-28-5	400	< 400
2-Methylphenol	95-48-7	80	< 80
2-Methyl-4,6-dinitrophenol	534-52-1	400	< 400
4-Methylphenol	106-44-5	80	< 80
2-Nitrophenol	88-75-5	80	< 80
4-Nitrophenol	100-02-7	400	< 400
Pentachlorophenol	87-86-5	400	< 400
Phenol	108-95-2	40	< 40
2,4,5-Trichlorophenol	95-95-4	80	< 80
2,4,6-Trichlorophenol	88-06-2	80	< 80

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	60	23 - 120
2-Fluorobiphenyl	100 ug	72	30 - 115
P-Terphenyl-d_{14}	100 ug	84	18 - 137
Phenol-d_5	200 ug	53	24 - 113
2-Fluorophenol	200 ug	50	25 - 121
2,4,6-Tribromophenol	200 ug	76	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: E8
Date of Sample Receipt: 10/7/91
Date of Sample Extraction: 10/14/91
Date of Sample Analysis: 10/29/91

Alden Job Number: 9110010/1
Alden Sample Number: 8672A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result	
BASE/NEUTRAL EXTRACTABLE COMPOUNDS				
Acenaphthene	83-32-9	44	< 44	
Acenaphthylene	208-96-8	44	< 44	
Aniline	62-53-3	44	< 44	
Anthracene	120-12-7	44	< 44	
Azobenzene	103-33-3	44	< 44	
Benzo(a)anthracene	56-55-3	44	< 44	
Benzo(b)fluoranthene	205-99-2	88	< 88	
Benzo(k)fluoranthene	207-08-9	88	< 88	
Benzo(a)pyrene	50-32-8	88	< 88	
Benzo(g,h,i)perylene	191-24-2	88	< 88	
Benzyl alcohol	100-51-6	44	< 44	
Benzyl butyl phthalate	85-68-7	44	< 44	
bis(2-Chloroethyl) ether	111-44-4	44	< 44	
bis(2-Chloroethoxy) methane	111-91-1	44	< 44	
bis(2-Ethylhexyl) phthalate	117-81-7	44	180	✓
bis(2-Chloroisopropyl) ether	108-60-1	44	< 44	
4-Bromophenyl phenyl ether	101-55-3	88	< 88	
4-Chloroaniline	106-47-8	88	< 88	
2-Chloronaphthalene	91-58-7	44	< 44	
4-Chlorophenyl phenyl ether	7005-72-3	44	< 44	
Chrysene	218-01-9	44	< 44	
Dibenzo(a,h)anthracene	53-70-3	88	< 88	
Dibenzofuran	132-64-9	44	< 44	
Di-n-butyl phthalate	84-74-2	44	< 44	
1,3-Dichlorobenzene	541-73-1	44	< 44	
1,2-Dichlorobenzene	95-50-1	44	< 44	
1,4-Dichlorobenzene	106-46-7	44	< 44	
3,3'-Dichlorobenzidine	91-94-1	440	< 440	
Diethyl phthalate	84-66-2	88	< 88	
Dimethyl phthalate	131-11-3	44	< 44	
2,4-Dinitrotoluene	121-14-2	44	< 44	
2,6-Dinitrotoluene	606-20-2	44	< 44	
Di-n-octyl phthalate	117-84-0	88	< 88	
Fluoranthene	206-44-0	44	70	✓
Fluorene	86-73-7	44	< 44	
Hexachlorobenzene	118-74-1	88	< 88	
Hexachlorobutadiene	87-68-3	44	< 44	
Hexachlorocyclopentadiene	77-47-4	220	< 220	
Hexachloroethane	67-72-1	88	< 88	

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: E8	Alden Sample Number: 8672A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result	
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)				
Indeno(1,2,3-c,d)pyrene	193-39-5	88	< 88	
Isophorone	78-59-1	44	< 44	
2-Methylnaphthalene	91-57-6	44	< 44	
Naphthalene	91-20-3	44	< 44	
2-Nitroaniline	88-74-4	88	< 88	
3-Nitroaniline	99-09-2	88	< 88	
4-Nitroaniline	100-01-6	88	< 88	
Nitrobenzene	98-95-3	44	< 44	
N-Nitrosodiphenylamine	86-30-6	44	< 44	
N-Nitrosodi-n-propylamine	621-64-7	44	< 44	
Phenanthrene	85-01-8	44	< 44	
Pyrene	129-00-0	44	44	✓
1,2,4-Trichlorobenzene	120-82-1	88	< 88	
ACID EXTRACTABLE COMPOUNDS				
Benzoic acid	65-85-0	880	< 880	
4-Chloro-3-methylphenol	59-50-7	88	< 88	
2-Chlorophenol	95-57-8	44	< 44	
2,4-Dichlorophenol	120-83-2	88	< 88	
2,4-Dimethylphenol	105-67-9	44	< 44	
2,4-Dinitrophenol	51-28-5	440	< 440	
2-Methylphenol	95-48-7	88	< 88	
2-Methyl-4,6-dinitrophenol	534-52-1	440	< 440	
4-Methylphenol	106-44-5	88	< 88	
2-Nitrophenol	88-75-5	88	< 88	
4-Nitrophenol	100-02-7	440	< 440	
Pentachlorophenol	87-86-5	440	< 440	
Phenol	108-95-2	44	< 44	
2,4,5-Trichlorophenol	95-95-4	88	< 88	
2,4,6-Trichlorophenol	88-06-2	88	250	✓

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	70	23 - 120
2-Fluorobiphenyl	100 ug	76	30 - 115
P-Terphenyl-d_{14}	100 ug	82	18 - 137
Phenol-d_5	200 ug	63	24 - 113
2-Fluorophenol	200 ug	62	25 - 121
2,4,6-Tribromophenol	200 ug	17*	19 - 122

* Reanalysis of sample extract yielded similar results.

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: Matrix Spike	Alden Sample Number: 8672A MS
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	8658	71	26 - 90
2-Chlorophenol	8658	66	25 - 102
1,4-Dichlorobenzene	4329	66	28 - 104
N-Nitroso-di-n-propylamine	4329	79	41 - 126
1,2,4-Trichlorobenzene	4329	69	38 - 107
4-Chloro-3-methylphenol	8658	75	26 - 103
Acenaphthene	4329	80	31 - 137
4-Nitrophenol	8658	52	11 - 114
2,4-Dinitrotoluene	4329	67	28 - 89
Pentachlorophenol	8658	24	17 - 109
Pyrene	4329	74	35 - 142

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: Spike Duplicate	Alden Sample Number: 8672A MSD
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	Spike Added	Percent Recovery	Recovery QC Limits (%)
Phenol	8658	62	26 - 90
2-Chlorophenol	8658	58	25 - 102
1,4-Dichlorobenzene	4329	58	28 - 104
N-Nitroso-di-n-propylamine	4329	74	41 - 126
1,2,4-Trichlorobenzene	4329	62	38 - 107
4-Chloro-3-methylphenol	8658	66	26 - 103
Acenaphthene	4329	74	31 - 137
4-Nitrophenol	8658	31	11 - 114
2,4-Dinitrotoluene	4329	69	28 - 89
Pentachlorophenol	8658	43	17 - 109
Pyrene	4329	73	35 - 142

Alden Analytical Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D22	Alden Sample Number: 8673A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	136	< 136
Acenaphthylene	208-96-8	136	< 136
Aniline	62-53-3	136	< 136
Anthracene	120-12-7	136	< 136
Azobenzene	103-33-3	136	< 136
Benzo(a)anthracene	56-55-3	136	< 136
Benzo(b)fluoranthene	205-99-2	272	< 272
Benzo(k)fluoranthene	207-08-9	272	< 272
Benzo(a)pyrene	50-32-8	272	< 272
Benzo(g,h,i)perylene	191-24-2	272	< 272
Benzyl alcohol	100-51-6	136	< 136
Benzyl butyl phthalate	85-68-7	136	< 136
bis(2-Chloroethyl) ether	111-44-4	136	< 136
bis(2-Chloroethoxy) methane	111-91-1	136	< 136
bis(2-Ethylhexyl) phthalate	117-81-7	136	150 ✓
bis(2-Chloroisopropyl) ether	108-60-1	136	< 136
4-Bromophenyl phenyl ether	101-55-3	272	< 272
4-Chloroaniline	106-47-8	272	< 272
2-Chloronaphthalene	91-58-7	136	< 136
4-Chlorophenyl phenyl ether	7005-72-3	136	< 136
Chrysene	218-01-9	136	< 136
Dibenzo(a,h)anthracene	53-70-3	272	< 272
Dibenzofuran	132-64-9	136	< 136
Di-n-butyl phthalate	84-74-2	136	< 136
1,3-Dichlorobenzene	541-73-1	136	< 136
1,2-Dichlorobenzene	95-50-1	136	< 136
1,4-Dichlorobenzene	106-46-7	136	< 136
3,3'-Dichlorobenzidine	91-94-1	1360	< 1360
Diethyl phthalate	84-66-2	272	< 272
Dimethyl phthalate	131-11-3	136	< 136
2,4-Dinitrotoluene	121-14-2	136	< 136
2,6-Dinitrotoluene	606-20-2	136	< 136
Di-n-octyl phthalate	117-84-0	272	< 272
Fluoranthene	206-44-0	136	< 136
Fluorene	86-73-7	136	< 136
Hexachlorobenzene	118-74-1	272	< 272
Hexachlorobutadiene	87-68-3	136	< 136
Hexachlorocyclopentadiene	77-47-4	680	< 680
Hexachloroethane	67-72-1	272	< 272

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D22	Alden Sample Number: 8673A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	272	< 272
Isophorone	78-59-1	136	< 136
2-Methylnaphthalene	91-57-6	136	< 136
Naphthalene	91-20-3	136	< 136
2-Nitroaniline	88-74-4	272	< 272
3-Nitroaniline	99-09-2	272	< 272
4-Nitroaniline	100-01-6	272	< 272
Nitrobenzene	98-95-3	136	< 136
N-Nitrosodiphenylamine	86-30-6	136	< 136
N-Nitrosodi-n-propylamine	621-64-7	136	< 136
Phenanthrene	85-01-8	136	< 136
Pyrene	129-00-0	136	< 136
1,2,4-Trichlorobenzene	120-82-1	272	< 272
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2720	< 2720
4-Chloro-3-methylphenol	59-50-7	272	< 272
2-Chlorophenol	95-57-8	136	< 136
2,4-Dichlorophenol	120-83-2	272	< 272
2,4-Dimethylphenol	105-67-9	136	< 136
2,4-Dinitrophenol	51-28-5	1360	< 1360
2-Methylphenol	95-48-7	272	< 272
2-Methyl-4,6-dinitrophenol	534-52-1	1360	< 1360
4-Methylphenol	106-44-5	272	< 272
2-Nitrophenol	88-75-5	272	< 272
4-Nitrophenol	100-02-7	1360	< 1360
Pentachlorophenol	87-86-5	1360	< 1360
Phenol	108-95-2	136	< 136
2,4,5-Trichlorophenol	95-95-4	272	< 272
2,4,6-Trichlorophenol	88-06-2	272	< 272

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	70	23 - 120
2-Fluorobiphenyl	100 ug	83	30 - 115
P-Terphenyl-d_{14}	100 ug	75	18 - 137
Phenol-d_5	200 ug	74	24 - 113
2-Fluorophenol	200 ug	65	25 - 121
2,4,6-Tribromophenol	200 ug	79	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D21
Date of Sample Receipt: 10/7/91
Date of Sample Extraction: 10/14/91
Date of Sample Analysis: 10/29/91

Alden Job Number: 9110010/1
Alden Sample Number: 8674A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	110	< 110
Acenaphthylene	208-96-8	110	< 110
Aniline	62-53-3	110	< 110
Anthracene	120-12-7	110	< 110
Azobenzene	103-33-3	110	< 110
Benzo(a)anthracene	56-55-3	110	< 110
Benzo(b)fluoranthene	205-99-2	220	< 220
Benzo(k)fluoranthene	207-08-9	220	< 220
Benzo(a)pyrene	50-32-8	220	< 220
Benzo(g,h,i)perylene	191-24-2	220	< 220
Benzyl alcohol	100-51-6	110	< 110
Benzyl butyl phthalate	85-68-7	110	< 110
bis(2-Chloroethyl) ether	111-44-4	110	< 110
bis(2-Chloroethoxy) methane	111-91-1	110	< 110
bis(2-Ethylhexyl) phthalate	117-81-7	110	< 110
bis(2-Chloroisopropyl) ether	108-60-1	110	< 110
4-Bromophenyl phenyl ether	101-55-3	220	< 220
4-Chloroaniline	106-47-8	220	< 220
2-Chloronaphthalene	91-58-7	110	< 110
4-Chlorophenyl phenyl ether	7005-72-3	110	< 110
Chrysene	218-01-9	110	< 110
Dibenzo(a,h)anthracene	53-70-3	220	< 220
Dibenzofuran	132-64-9	110	< 110
Di-n-butyl phthalate	84-74-2	110	< 110
1,3-Dichlorobenzene	541-73-1	110	< 110
1,2-Dichlorobenzene	95-50-1	110	< 110
1,4-Dichlorobenzene	106-46-7	110	< 110
3,3'-Dichlorobenzidine	91-94-1	1100	< 1100
Diethyl phthalate	84-66-2	220	< 220
Dimethyl phthalate	131-11-3	110	< 110
2,4-Dinitrotoluene	121-14-2	110	< 110
2,6-Dinitrotoluene	606-20-2	110	< 110
Di-n-octyl phthalate	117-84-0	220	< 220
Fluoranthene	206-44-0	110	< 110
Fluorene	86-73-7	110	< 110
Hexachlorobenzene	118-74-1	220	< 220
Hexachlorobutadiene	87-68-3	110	< 110
Hexachlorocyclopentadiene	77-47-4	550	< 550
Hexachloroethane	67-72-1	220	< 220

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech
Client Sample Number: D21
Date of Sample Receipt: 10/7/91
Date of Sample Extraction: 10/14/91
Date of Sample Analysis: 10/29/91

Alden Job Number: 9110010/1
Alden Sample Number: 8674A
Analysis Method: EPA 8270
Matrix: Sediment
Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	220	< 220
Isophorone	78-59-1	110	< 110
2-Methylnaphthalene	91-57-6	110	< 110
Naphthalene	91-20-3	110	< 110
2-Nitroaniline	88-74-4	220	< 220
3-Nitroaniline	99-09-2	220	< 220
4-Nitroaniline	100-01-6	220	< 220
Nitrobenzene	98-95-3	110	< 110
N-Nitrosodiphenylamine	86-30-6	110	< 110
N-Nitrosodi-n-propylamine	621-64-7	110	< 110
Phenanthrene	85-01-8	110	< 110
Pyrene	129-00-0	110	< 110
1,2,4-Trichlorobenzene	120-82-1	220	< 220
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2200	< 2200
4-Chloro-3-methylphenol	59-50-7	220	< 220
2-Chlorophenol	95-57-8	110	< 110
2,4-Dichlorophenol	120-83-2	220	< 220
2,4-Dimethylphenol	105-67-9	110	< 110
2,4-Dinitrophenol	51-28-5	1100	< 1100
2-Methylphenol	95-48-7	220	< 220
2-Methyl-4,6-dinitrophenol	534-52-1	1100	< 1100
4-Methylphenol	106-44-5	220	< 220
2-Nitrophenol	88-75-5	220	< 220
4-Nitrophenol	100-02-7	1100	< 1100
Pentachlorophenol	87-86-5	1100	< 1100
Phenol	108-95-2	110	< 110
2,4,5-Trichlorophenol	95-95-4	220	< 220
2,4,6-Trichlorophenol	88-06-2	220	< 220

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	52	23 - 120
2-Fluorobiphenyl	100 ug	69	30 - 115
P-Terphenyl-d_{14}	100 ug	70	18 - 137
Phenol-d_5	200 ug	58	24 - 113
2-Fluorophenol	200 ug	44	25 - 121
2,4,6-Tribromophenol	200 ug	71	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D20	Alden Sample Number: 8675A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	110	< 110
Acenaphthylene	208-96-8	110	< 110
Aniline	62-53-3	110	< 110
Anthracene	120-12-7	110	< 110
Azobenzene	103-33-3	110	< 110
Benzo(a)anthracene	56-55-3	110	< 110
Benzo(b)fluoranthene	205-99-2	220	< 220
Benzo(k)fluoranthene	207-08-9	220	< 220
Benzo(a)pyrene	50-32-8	220	< 220
Benzo(g,h,i)perylene	191-24-2	220	< 220
Benzyl alcohol	100-51-6	110	< 110
Benzyl butyl phthalate	85-68-7	110	< 110
bis(2-Chloroethyl) ether	111-44-4	110	< 110
bis(2-Chloroethoxy) methane	111-91-1	110	< 110
bis(2-Ethylhexyl) phthalate	117-81-7	110	< 110
bis(2-Chloroisopropyl) ether	108-60-1	110	< 110
4-Bromophenyl phenyl ether	101-55-3	220	< 220
4-Chloroaniline	106-47-8	220	< 220
2-Chloronaphthalene	91-58-7	110	< 110
4-Chlorophenyl phenyl ether	7005-72-3	110	< 110
Chrysene	218-01-9	110	< 110
Dibenzo(a,h)anthracene	53-70-3	220	< 220
Dibenzofuran	132-64-9	110	< 110
Di-n-butyl phthalate	84-74-2	110	< 110
1,3-Dichlorobenzene	541-73-1	110	< 110
1,2-Dichlorobenzene	95-50-1	110	< 110
1,4-Dichlorobenzene	106-46-7	110	< 110
3,3'-Dichlorobenzidine	91-94-1	1100	< 1100
Diethyl phthalate	84-66-2	220	< 220
Dimethyl phthalate	131-11-3	110	< 110
2,4-Dinitrotoluene	121-14-2	110	< 110
2,6-Dinitrotoluene	606-20-2	110	< 110
Di-n-octyl phthalate	117-84-0	220	< 220
Fluoranthene	206-44-0	110	< 110
Fluorene	86-73-7	110	< 110
Hexachlorobenzene	118-74-1	220	< 220
Hexachlorobutadiene	87-68-3	110	< 110
Hexachlorocyclopentadiene	77-47-4	550	< 550
Hexachloroethane	67-72-1	220	< 220

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D20	Alden Sample Number: 8675A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	220	< 220
Isophorone	78-59-1	110	< 110
2-Methylnaphthalene	91-57-6	110	< 110
Naphthalene	91-20-3	110	< 110
2-Nitroaniline	88-74-4	220	< 220
3-Nitroaniline	99-09-2	220	< 220
4-Nitroaniline	100-01-6	220	< 220
Nitrobenzene	98-95-3	110	< 110
N-Nitrosodiphenylamine	86-30-6	110	< 110
N-Nitrosodi-n-propylamine	621-64-7	110	< 110
Phenanthrene	85-01-8	110	< 110
Pyrene	129-00-0	110	< 110
1,2,4-Trichlorobenzene	120-82-1	220	< 220
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2200	< 2200
4-Chloro-3-methylphenol	59-50-7	220	< 220
2-Chlorophenol	95-57-8	110	< 110
2,4-Dichlorophenol	120-83-2	220	< 220
2,4-Dimethylphenol	105-67-9	110	< 110
2,4-Dinitrophenol	51-28-5	1100	< 1100
2-Methylphenol	95-48-7	220	< 220
2-Methyl-4,6-dinitrophenol	534-52-1	1100	< 1100
4-Methylphenol	106-44-5	220	< 220
2-Nitrophenol	88-75-5	220	< 220
4-Nitrophenol	100-02-7	1100	< 1100
Pentachlorophenol	87-86-5	1100	< 1100
Phenol	108-95-2	110	< 110
2,4,5-Trichlorophenol	95-95-4	220	< 220
2,4,6-Trichlorophenol	88-06-2	220	< 220

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	60	23 - 120
2-Fluorobiphenyl	100 ug	79	30 - 115
P-Terphenyl-d_{14}	100 ug	84	18 - 137
Phenol-d_5	200 ug	68	24 - 113
2-Fluorophenol	200 ug	29	25 - 121
2,4,6-Tribromophenol	200 ug	83	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D23	Alden Sample Number: 8676A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	108	< 108
Acenaphthylene	208-96-8	108	< 108
Aniline	62-53-3	108	< 108
Anthracene	120-12-7	108	< 108
Azobenzene	103-33-3	108	< 108
Benzo(a)anthracene	56-55-3	108	< 108
Benzo(b)fluoranthene	205-99-2	216	< 216
Benzo(k)fluoranthene	207-08-9	216	< 216
Benzo(a)pyrene	50-32-8	216	< 216
Benzo(g,h,i)perylene	191-24-2	216	< 216
Benzyl alcohol	100-51-6	108	< 108
Benzyl butyl phthalate	85-68-7	108	< 108
bis(2-Chloroethyl) ether	111-44-4	108	< 108
bis(2-Chloroethoxy) methane	111-91-1	108	< 108
bis(2-Ethylhexyl) phthalate	117-81-7	108	< 108
bis(2-Chloroisopropyl) ether	108-60-1	108	< 108
4-Bromophenyl phenyl ether	101-55-3	216	< 216
4-Chloroaniline	106-47-8	216	< 216
2-Chloronaphthalene	91-58-7	108	< 108
4-Chlorophenyl phenyl ether	7005-72-3	108	< 108
Chrysene	218-01-9	108	< 108
Dibenzo(a,h)anthracene	53-70-3	216	< 216
Dibenzofuran	132-64-9	108	< 108
Di-n-butyl phthalate	84-74-2	108	< 108
1,3-Dichlorobenzene	541-73-1	108	< 108
1,2-Dichlorobenzene	95-50-1	108	< 108
1,4-Dichlorobenzene	106-46-7	108	< 108
3,3'-Dichlorobenzidine	91-94-1	1080	< 1080
Diethyl phthalate	84-66-2	216	< 216
Dimethyl phthalate	131-11-3	108	< 108
2,4-Dinitrotoluene	121-14-2	108	< 108
2,6-Dinitrotoluene	606-20-2	108	< 108
Di-n-octyl phthalate	117-84-0	216	< 216
Fluoranthene	206-44-0	108	< 108
Fluorene	86-73-7	108	< 108
Hexachlorobenzene	118-74-1	216	< 216
Hexachlorobutadiene	87-68-3	108	< 108
Hexachlorocyclopentadiene	77-47-4	540	< 540
Hexachloroethane	67-72-1	216	< 216

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D23	Alden Sample Number: 8676A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS (CONTINUED)			
Indeno(1,2,3-c,d)pyrene	193-39-5	216	< 216
Isophorone	78-59-1	108	< 108
2-Methylnaphthalene	91-57-6	108	< 108
Naphthalene	91-20-3	108	< 108
2-Nitroaniline	88-74-4	216	< 216
3-Nitroaniline	99-09-2	216	< 216
4-Nitroaniline	100-01-6	216	< 216
Nitrobenzene	98-95-3	108	< 108
N-Nitrosodiphenylamine	86-30-6	108	< 108
N-Nitrosodi-n-propylamine	621-64-7	108	< 108
Phenanthrene	85-01-8	108	< 108
Pyrene	129-00-0	108	< 108
1,2,4-Trichlorobenzene	120-82-1	216	< 216
ACID EXTRACTABLE COMPOUNDS			
Benzoic acid	65-85-0	2160	< 2160
4-Chloro-3-methylphenol	59-50-7	216	< 216
2-Chlorophenol	95-57-8	108	< 108
2,4-Dichlorophenol	120-83-2	216	< 216
2,4-Dimethylphenol	105-67-9	108	< 108
2,4-Dinitrophenol	51-28-5	1080	< 1080
2-Methylphenol	95-48-7	216	< 216
2-Methyl-4,6-dinitrophenol	534-52-1	1080	< 1080
4-Methylphenol	106-44-5	216	< 216
2-Nitrophenol	88-75-5	216	< 216
4-Nitrophenol	100-02-7	1080	< 1080
Pentachlorophenol	87-86-5	1080	< 1080
Phenol	108-95-2	108	< 108
2,4,5-Trichlorophenol	95-95-4	216	< 216
2,4,6-Trichlorophenol	88-06-2	216	< 216

Surrogate	Amount Added	Percent Recovery	Recovery Limits
Nitrobenzene-d_5	100 ug	57	23 - 120
2-Fluorobiphenyl	100 ug	70	30 - 115
P-Terphenyl-d_{14}	100 ug	79	18 - 137
Phenol-d_5	200 ug	60	24 - 113
2-Fluorophenol	200 ug	49	25 - 121
2,4,6-Tribromophenol	200 ug	62	19 - 122

Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Tetra Tech	Alden Job Number: 9110010/1
Client Sample Number: D43	Alden Sample Number: 8677A
Date of Sample Receipt: 10/7/91	Analysis Method: EPA 8270
Date of Sample Extraction: 10/14/91	Matrix: Sediment
Date of Sample Analysis: 10/29/91	Reporting Units: ug/kg

Compound Name	CAS No.	Reporting Limit	Result
BASE/NEUTRAL EXTRACTABLE COMPOUNDS			
Acenaphthene	83-32-9	104	< 104
Acenaphthylene	208-96-8	104	< 104
Aniline	62-53-3	104	< 104
Anthracene	120-12-7	104	< 104
Azobenzene	103-33-3	104	< 104
Benzo(a)anthracene	56-55-3	104	< 104
Benzo(b)fluoranthene	205-99-2	208	< 208
Benzo(k)fluoranthene	207-08-9	208	< 208
Benzo(a)pyrene	50-32-8	208	< 208
Benzo(g,h,i)perylene	191-24-2	208	< 208
Benzyl alcohol	100-51-6	104	< 104
Benzyl butyl phthalate	85-68-7	104	< 104
bis(2-Chloroethyl) ether	111-44-4	104	< 104
bis(2-Chloroethoxy) methane	111-91-1	104	< 104
bis(2-Ethylhexyl) phthalate	117-81-7	104	< 104
bis(2-Chloroisopropyl) ether	108-60-1	104	< 104
4-Bromophenyl phenyl ether	101-55-3	208	< 208
4-Chloroaniline	106-47-8	208	< 208
2-Chloronaphthalene	91-58-7	104	< 104
4-Chlorophenyl phenyl ether	7005-72-3	104	< 104
Chrysene	218-01-9	104	< 104
Dibenzo(a,h)anthracene	53-70-3	208	< 208
Dibenzofuran	132-64-9	104	< 104
Di-n-butyl phthalate	84-74-2	104	< 104
1,3-Dichlorobenzene	541-73-1	104	< 104
1,2-Dichlorobenzene	95-50-1	104	< 104
1,4-Dichlorobenzene	106-46-7	104	< 104
3,3'-Dichlorobenzidine	91-94-1	1040	< 1040
Diethyl phthalate	84-66-2	208	< 208
Dimethyl phthalate	131-11-3	104	< 104
2,4-Dinitrotoluene	121-14-2	104	< 104
2,6-Dinitrotoluene	606-20-2	104	< 104
Di-n-octyl phthalate	117-84-0	208	< 208
Fluoranthene	206-44-0	104	< 104
Fluorene	86-73-7	104	< 104
Hexachlorobenzene	118-74-1	208	< 208
Hexachlorobutadiene	87-68-3	104	< 104
Hexachlorocyclopentadiene	77-47-4	520	< 520
Hexachloroethane	67-72-1	208	< 208

SECTION C

DIOXINS AND FURANS (SEDIMENT)

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2031	13DEC91LCB2041	13DEC91LCB2051
Keystone/NEA Number:	91TT27SP01-MB	91TT27SP01-01	91TT27SP01-02
Customer Number:		D35	D38
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.13	0.28	ND/EDL=0.09
12378-PeCDD	ND/EDL=0.13	ND/EDL=0.13	ND/EDL=0.10
123478-HxCDD	ND/EDL=0.17	0.40	ND/EDL=0.17
123678-HxCDD	ND/EDL=0.14	1.39	EMPC=0.14
123789-HxCDD	ND/EDL=0.19	1.00	0.10
1234678-HpCDD	0.71	20.0	0.90
OCDD	4.54	193	6.76
Furans			
2378-TCDF	ND/EDL=0.08	2.94*	0.06*
12378-PeCDF	ND/EDL=0.13	1.14	ND/EDL=0.07
23478-PeCDF	ND/EDL=0.12	0.18	ND/EDL=0.07
123478-HxCDF	EMPC=0.40	2.99	0.31
123678-HxCDF	0.14	0.94	EMPC=0.11
234678-HxCDF	EMPC=0.38	1.02	EMPC=0.24
123789-HxCDF	EMPC=0.10	0.22	ND/EDL=0.10
1234678-HpCDF	0.71	6.46	0.51
1234789-HpCDF	EMPC=0.25	1.76	0.15
OCDF	1.13	16.9	1.19

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1a

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2061	13DEC91LCB2071
Keystone/NEA Number:	91TT27SP01-03	91TT27SP01-03d
Customer Number:	D40	D40
Sample Description:	Sediment	Sediment (Duplicate)
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
2378-TCDD	EMPC=0.21	0.17
12378-PeCDD	0.18	EMPC=0.13
123478-HxCDD	EMPC=0.27	EMPC=0.20
123678-HxCDD	0.59	0.42
123789-HxCDD	0.84	EMPC=0.59
1234678-HpCDD	9.25	6.41
OCDD	71.5	64.6
Furans		
2378-TCDF	0.98*	0.65*
12378-PeCDF	0.94	0.32
23478-PeCDF	0.69	EMPC=0.28
123478-HxCDF	2.78	0.76
123678-HxCDF	1.06	0.3
234678-HxCDF	1.25	0.53
123789-HxCDF	EMPC=0.15	0.22
1234678-HpCDF	6.38	2.08
1234789-HpCDF	1.61	0.50
OCDF	12.5	5.14

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1b

SUMMARY OF ANALYTICAL RESULTS

2378-Substituted Isomers

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2081	13DEC91LCB2091	13DEC91LCB2101
Keystone/NEA Number:	91TT15OC01-MB	91TT15OC01-01	91TT15OC01-02
Customer Number:		D5	D8
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.07	0.12	0.16
12378-PeCDD	ND/EDL=0.08	EMPC=0.17	EMPC=0.14
123478-HxCDD	ND/EDL=0.15	0.15	0.19
123678-HxCDD	ND/EDL=0.13	EMPC=0.78	0.59
123789-HxCDD	ND/EDL=0.14	0.58	0.37
1234678-HpCDD	1.22	12.6	5.93
OCDD	9.69	159	45.9
Furans			
2378-TCDF	0.23	1.23*	0.96*
12378-PeCDF	ND/EDL-0.08	0.79	0.24
23478-PeCDF	ND/EDL-0.08	0.54	EMPC=0.16
123478-HxCDF	ND/EDL=0.14	1.69	0.42
123678-HxCDF	ND/EDL=0.13	0.63	0.14
234678-HxCDF	EMPC=0.28	EMPC=0.86	0.43
123789-HxCDF	ND/EDL=0.16	EMPC=0.10	ND/EDL=0.19
1234678-HpCDF	0.42	4.50	1.52
1234789-HpCDF	ND/EDL=0.22	1.14	0.25
OCDF	EMPC=1.03	14.9	EMPC=4.48

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2111	13DEC91LCB2121
Keystone/NEA Number:	91TT15OC01-03	91TT15OC01-03d
Customer Number:	D6	D6
Sample Description:	Sediment	Sediment (Duplicate)
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
2378-TCDD	0.15	0.17
12378-PeCDD	0.16	EMPC=0.19
123478-HxCDD	EMPC=0.17	0.19
123678-HxCDD	1.14	1.98
123789-HxCDD	0.74	EMPC=1.04
1234678-HpCDD	8.75	10.1
OCDD	64.6	57.9
Furans		
2378-TCDF	1.25*	1.33*
12378-PeCDF	EMPC=0.24	0.50
23478-PeCDF	0.20	EMPC=0.25
123478-HxCDF	0.37	2.09
123678-HxCDF	0.17	0.50
234678-HxCDF	0.30	EMPC=0.54
123789-HxCDF	ND/EDL=0.21	ND/EDL=0.20
1234678-HpCDF	2.24	4.31
1234789-HpCDF	ND/EDL=0.42	0.66
OCDF	4.64	6.27

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Homologue Group Totals

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2031	13DEC91LCB2041	13DEC91LCB2051
Keystone/NEA Number:	91TT27SP01-MB	91TT27SP01-01	91TT27SP01-02
Customer Number:		D35	D38
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	0.37	2.50	0.87
Total PeCDD	ND/EDL=0.13	ND/EDL=0.13	ND/EDL=0.10
Total HxCDD	ND/EDL=0.14	18.7	1.46
Total HpCDD	1.11	67.2	1.68
Furans			
Total TCDF	0.31	9.62	0.18
Total PeCDF	ND/EDL=0.12	2.34	ND/EDL=0.07
Total HxCDF	0.17	19.2	0.65
Total HpCDF	1.21	27.3	1.05

Note:

1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

Table 2a

SUMMARY OF ANALYTICAL RESULTS

Homologue Group Totals

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2061	13DEC91LCB2071
Keystone/NEA Number:	91TT27SP01-03	91TT27SP01-03d
Customer Number:	D40	D40
Sample Description:	Sediment	Sediment (Duplicate)
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
Total TCDD	0.43	1.10
Total PeCDD	1.33	0.45
Total HxCDD	12.4	5.74
Total HpCDD	27.3	19.4
Furans		
Total TCDF	7.38	4.43
Total PeCDF	5.73	1.22
Total HxCDF	13.4	3.64
Total HpCDF	17.4	4.66

Note:

1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2081	13DEC91LCB2091	13DEC91LCB2101
Keystone/NEA Number:	91TT15OC01-MB	91TT15OC01-01	91TT15OC01-02
Customer Number:		D5	D8
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	0.44	0.33	0.76
Total PeCDD	ND/EDL=0.08	0.68	0.20
Total HxCDD	ND/EDL=0.13	3.93	2.36
Total HpCDD	2.02	23.1	12.2
Furans			
Total TCDF	0.23	2.89	2.55
Total PeCDF	ND/EDL=0.08	3.61	1.40
Total HxCDF	ND/EDL=0.13	6.81	2.28
Total HpCDF	0.52	9.99	4.55

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2111	13DEC91LCB2121
Keystone/NEA Number:	91TT15OC01-03	91TT15OC01-03d
Customer Number:	D6	D6
Sample Description:	Sediment	Sediment (Duplicate)
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
Total TCDD	0.79	0.76
Total PeCDD	0.10	0.65
Total HxCDD	7.62	12.0
Total HpCDD	18.2	20.7
Furans		
Total TCDF	4.5	5.24
Total PeCDF	1.21	1.54
Total HxCDF	3.08	6.51
Total HpCDF	6.91	11.3

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS
Internal Standard Recoveries

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2031	13DEC91LCB2041	13DEC91LCB2051
Keystone/NEA Number:	91TT27SP01-MB	91TT27SP01-01	91TT27SP01-02
Customer Number:		D35	D38
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	82	88	76
13C-12378-PeCDD	103	115	105
13C-123478-HxCDD	74	78	65
13C-123678-HxCDD	76	80	71
13C-1234678-HpCDD	106	102	82
13C-OCDD	80	88	54
Furans			
13C-2378-TCDF	96	82*	67*
13C-12378-PeCDF	87	97	85
13C-23478-PeCDF	95	60	90
13C-123478-HxCDF	76	75	68
13C-123678-HxCDF	70	70	62
13C-234678-HxCDF	52	54	49
13C-123789-HxCDF	88	92	81
13C-1234678-HpCDF	88	84	71
13C-1234789-HpCDF	101	100	82
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	87	95	82

Notes:
1. Recoveries highlighted with an asterisk (*) are reported from the DB-225 column.

Table 3a

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2061	13DEC91LCB2071	13DEC91LCB2141
Keystone/NEA Number:	91TT27SP01-03	91TT27SP01-03d	91TT27SP01-PAR
Customer Number:	D40	D40	
Sample Description:	Sediment	Sediment (Duplicate)	PAR Sample
Units	%	%	%
Dioxins			
13C-2378-TCDD	82	84	74
13C-12378-PeCDD	113	114	97
13C-123478-HxCDD	77	78	64
13C-123678-HxCDD	72	73	77
13C-1234789-HpCDD	92	88	80
13C-OCDD	65	63	60
Furans			
13C-2378-TCDF	75*	73*	87
13C-12378-PeCDF	90	90	79
13C-23478-PeCDF	97	96	84
13C-123478-HxCDF	78	77	70
13C-123678-HxCDF	68	68	65
13C-234678-HxCDF	59	49	40
13C-123789-HxCDF	90	89	81
13C-1234678-HpCDF	80	76	71
13C-1234789-HpCDF	91	85	76
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	93	94	90

Notes:

1. Recoveries highlighted with an asterisk (*) are reported from the DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2081	13DEC91LCB2091	13DEC91LCB2101
Keystone/NEA Number:	91TT15OC01-MB	91TT15OC01-01	91TT15OC01-02
Customer Number:		D5	D8
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	73	98	86
13C-12378-PeCDD	116	119	115
13C-123478-HxCDD	73	80	77
13C-123678-HxCDD	87	88	80
13C-1234678-HpCDD	83	87	78
13C-OCDD	76	83	76
Furans			
13C-2378-TCDF	101	86*	78*
13C-12378-PeCDF	95	98	92
13C-23478-PeCDF	101	103	99
13C-123478-HxCDF	78	87	81
13C-123678-HxCDF	75	80	72
13C-234678-HxCDF	50	58	44
13C-123789-HxCDF	95	97	93
13C-1234678-HpCDF	77	87	75
13C-1234789-HpCDF	84	89	82
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	67	103	92

Notes:

1. Recoveries highlighted with an asterisk (*) are reported from the DB-225 column.

Table 3c

SUMMARY OF ANALYTICAL RESULTS
Internal Standard Recoveries

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2111	13DEC91LCB2121	13DEC91LCB2151
Keystone/NEA Number:	91TT15OC01-03	91TT15OC01-03d	91TT15OC01-PAR
Customer Number:	D6	D6	
Sample Description:	Sediment	Sediment (Duplicate)	PAR Sample
Units	%	%	%
Dioxins			
13C-2378-TCDD	88	94	89
13C-12378-PeCDD	114	120	111
13C-123478-HxCDD	72	74	82
13C-123678-HxCDD	85	67	78
13C-1234789-HpCDD	80	82	78
13C-OCDD	80	77	71
Furans			
13C-2378-TCDF	79*	85*	102
13C-12378-PeCDF	92	96	94
13C-23478-PeCDF	100	106	99
13C-123478-HxCDF	78	81	82
13C-123678-HxCDF	73	75	75
13C-234678-HxCDF	54	62	52
13C-123789-HxCDF	92	96	91
13C-1234678-HpCDF	78	79	77
13C-1234789-HpCDF	81	83	81
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	93	101	101

Notes:
1. Recoveries highlighted with an asterisk (*) are reported from the DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Precision and Recovery Samples

Date received: September 27 and October 15, 1991
Client name: Tetra Tech
Laboratory Project Number: 91TT27SP01 and 91TT15OC01
Customer Project Number:
Invoice Number:

MS File Number:		13DEC91LCB2141		13DEC91LCB2151		
Keystone/NEA Number:		91TT27SP01-PAR		91TT15OC01-PAR		
Sample Description:	Spiked Levels	Measured Levels	Percent Recy	Measured Levels	Percent Recy	RPD
Units	pg	pg	%	pg	%	%
Dioxins						
2378-TCDD	200	238	119	222	111	7
12378-PeCDD	1079	995	92	902	84	10
123478-HxCDD	904	1208	134	1015	112	17
123678-HxCDD	888	1101	124	1087	122	1
123789-HxCDD	783	805	103	1030	132	-25
1234678-HpCDD	1012	1084	107	990	98	9
OCDD	1909	2248	118	2062	108	9
Furans						
2378-TCDF	188	202	107	190	101	6
12378-PeCDF	931	1226	132	1111	119	10
23478-PeCDF	880	1164	132	1028	117	12
123478-HxCDF	950	1128	119	1000	105	12
123678-HxCDF	934	1137	122	1066	114	6
234678-HxCDF	904	1089	120	993	110	9
123789-HxCDF	960	1026	107	935	97	9
1234678-HpCDF	897	1172	131	1099	123	6
1234789-HpCDF	948	1180	124	1071	113	10
OCDF	1842	2352	128	2182	118	7

Table 4

SUMMARY OF ANALYTICAL RESULTS

2378-Substituted Isomers

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2011	04DEC91LCB2021	04DEC91LCB2031
Keystone/NEA Number:	91TT01OC01-MB	91TT01OC01-01	91TT01OC01-02
Customer Number:		D28	D24
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.17	EMPC=0.18	EMPC=0.26
12378-PeCDD	ND/EDL=0.28	EMPC=0.21	EMPC=3.38
123478-HxCDD	ND/EDL=0.30	0.65	1.37
123678-HxCDD	ND/EDL=0.25	1.61	5.29
123789-HxCDD	ND/EDL=0.27	1.13	2.52
1234678-HpCDD	EMPC=0.66	41.4	188
OCDD	3.76	369	1480
Furans			
2378-TCDF	EMPC=0.32	1.44*	3.23*
12378-PeCDF	ND/EDL=0.22	EMPC=0.26	1.14
23478-PeCDF	ND/EDL=0.20	0.32	0.83
123478-HxCDF	ND/EDL=0.62	EMPC=0.74	2.18
123678-HxCDF	ND/EDL=0.63	0.43	0.91
234678-HxCDF	ND/EDL=0.75	EMPC=0.44	0.65
123789-HxCDF	ND/EDL=0.74	ND/EDL=0.24	0.09
1234678-HpCDF	0.82	4.30	13.05
1234789-HpCDF	EMPC=0.33	0.37	1.14
OCDF	EMPC=1.52	9.84	36.56

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1a

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2041	04DEC91LCB2051
Keystone/NEA Number:	91TT01OC01-03	91TT01OC01-04
Customer Number:	D26	D30
Sample Description:	Sediment	Sediment

Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
2378-TCDD	ND/EDL=0.10	0.12
12378-PeCDD	ND/EDL=0.12	0.09
123478-HxCDD	EMPC=0.10	EMPC=0.17
123678-HxCDD	0.61	0.82
123789-HxCDD	0.44	EMPC=0.57
1234678-HpCDD	6.38	23.03
OCDD	53.76	221
Furans		
2378-TCDF	0.67	1.72*
12378-PeCDF	EMPC=0.24	EMPC=0.19
23478-PeCDF	0.20	0.16
123478-HxCDF	0.70	0.37
123678-HxCDF	0.23	0.16
234678-HxCDF	EMPC=0.38	0.37
123789-HxCDF	EMPC=0.08	EMPC=0.10
1234678-HpCDF	1.67	2.37
1234789-HpCDF	0.35	EMPC=0.12
OCDF	3.58	6.89

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1b

SUMMARY OF ANALYTICAL RESULTS

2378-Substituted Isomers

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2071	04DEC91LCB2081	04DEC91LCB2091
Keystone/NEA Number:	91TT09OC01-MB	91TT09OC01-01	91TT09OC01-02
Customer Number:		D4	D10
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.08	0.23	EMPC=0.26
12378-PeCDD	ND/EDL=0.13	EMPC=0.22	0.52
123478-HxCDD	ND/EDL=0.22	0.51	1.92
123678-HxCDD	ND/EDL=0.19	1.91	5.95
123789-HxCDD	ND/EDL=0.21	1.58	5.04
1234678-HpCDD	1.84	26.2	132
OCDD	11.7	272	768
Furans			
2378-TCDF	EMPC=0.15	2.06*	2.09*
12378-PeCDF	ND/EDL=0.17	EMPC=0.30	EMPC=0.69
23478-PeCDF	ND/EDL=0.15	EMPC=0.30	EMPC=0.43
123478-HxCDF	0.35	EMPC=0.67	1.75
123678-HxCDF	EMPC=0.17	0.27	EMPC=1.41
234678-HxCDF	0.33	EMPC=0.66	1.40
123789-HxCDF	EMPC=0.04	EMPC=0.07	EMPC=0.08
1234678-HpCDF	0.97	4.65	14.8
1234789-HpCDF	EMPC=0.32	0.31	1.19
OCDF	2.55	15.1	34.6

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1c

SUMMARY OF ANALYTICAL RESULTS

2378-Substituted Isomers

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2101	04DEC91LCB2111
Keystone/NEA Number:	91TT09OC01-03	91TT09OC01-04
Customer Number:	D11	D45
Sample Description:	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
2378-TCDD	0.22	0.25
12378-PeCDD	0.12	0.16
123478-HxCDD	0.38	EMPC=0.40
123678-HxCDD	1.43	1.43
123789-HxCDD	1.19	0.94
1234678-HpCDD	23.8	27.1
OCDD	217	244
Furans		
2378-TCDF	1.93*	1.96*
12378-PeCDF	EMPC=0.36	EMPC=0.25
23478-PeCDF	0.24	EMPC=0.27
123478-HxCDF	EMPC=0.51	0.54
123678-HxCDF	EMPC=0.21	EMPC=0.28
234678-HxCDF	0.16	EMPC=0.30
123789-HxCDF	EMPC=1.87	ND/EDL=0.18
1234678-HpCDF	2.83	2.91
1234789-HpCDF	EMPC=0.31	0.25
OCDF	6.76	8.22

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Homologue Group Totals

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2011	04DEC91LCB2021	04DEC91LCB2031
Keystone/NEA Number:	91TT01OC01-MB	91TT01OC01-01	91TT01OC01-02
Customer Number:		D28	D24
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	ND/EDL=0.17	0.97	2.94
Total PeCDD	ND/EDL=0.28	0.48	2.24
Total HxCDD	ND/EDL=0.25	13.31	54.67
Total HpCDD	0.41	80.36	378
Furans			
Total TCDF	0.32	5.73	11.21
Total PeCDF	ND/EDL=0.20	2.17	7.66
Total HxCDF	ND/EDL=0.62	11.79	23.55
Total HpCDF	0.94	17.67	45.35

Note:

1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS

Homologue Group Totals

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2041	04DEC91LCB2051
Keystone/NEA Number:	91TT01OC01-03	91TT01OC01-04
Customer Number:	D26	D30
Sample Description:	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
Total TCDD	0.55	0.48
Total PeCDD	0.24	0.40
Total HxCDD	4.71	7.42
Total HpCDD	11.2	45.38
Furans		
Total TCDF	1.76	4.59
Total PeCDF	8.97	1.11
Total HxCDF	2.06	4.17
Total HpCDF	3.47	7.54

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS

Homologue Group Totals

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2071	04DEC91LCB2081	04DEC91LCB2091
Keystone/NEA Number:	91TT09OC01-MB	91TT09OC01-01	91TT09OC01-02
Customer Number:		D4	D10
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	ND/EDL=0.08	0.71	1.24
Total PeCDD	ND/EDL=0.13	0.12	2.60
Total HxCDD	ND/EDL=0.19	16.8	47.3
Total HpCDD	2.62	55.2	211
Furans			
Total TCDF	ND/EDL=0.15	6.79	7.72
Total PeCDF	ND/EDL=0.15	1.20	10.1
Total HxCDF	1.03	5.29	28.6
Total HpCDF	1.89	14.1	52.5

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS

Homologue Group Totals

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2101	04DEC91LCB2111
Keystone/NEA Number:	91TT09OC01-03	91TT09OC01-04
Customer Number:	D11	D45
Sample Description:	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
Total TCDD	0.92	1.06
Total PeCDD	0.37	0.67
Total HxCDD	14.4	12.8
Total HpCDD	46.1	53.7
Furans		
Total TCDF	5.96	6.79
Total PeCDF	2.91	2.65
Total HxCDF	2.48	4.64
Total HpCDF	8.14	8.54

Table 2d

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 1 and 9,1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2011	04DEC91LCB2021	04DEC91LCB2031
Keystone/NEA Number:	91TT01OC01-MB	91TT01OC01-01	91TT01OC01-02
Customer Number:		D28	D24
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	83	91	94
13C-12378-PeCDD	100	112	116
13C-123478-HxCDD	76	91	82
13C-123678-HxCDD	81	67	84
13C-1234678-HpCDD	97	96	110
13C-OCDD	74	86	116
Furans			
13C-2378-TCDF	83	83*	88*
13C-12378-PeCDF	75	82	80
13C-23478-PeCDF	81	88	86
13C-123478-HxCDF	72	72	74
13C-123678-HxCDF	66	63	65
13C-234678-HxCDF	65	62	54
13C-123789-HxCDF	84	85	95
13C-1234678-HpCDF	79	75	83
13C-1234789-HpCDF	90	94	104
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	85	99	78

Notes:

1. Recoveries marked with an asterisk (*) are from a DB-225 column.

Table 3a

SUMMARY OF ANALYTICAL RESULTS
Internal Standard Recoveries

Date received:	October 1 and 9,1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2041	04DEC91LCB2051
Keystone/NEA Number:	91TT01OC01-03	91TT01OC01-04
Customer Number:	D26	D30
Sample Description:	Sediment	Sediment
Units	%	%
Dioxins		
13C-2378-TCDD	91	89
13C-12378-PeCDD	117	112
13C-123478-HxCDD	84	87
13C-123678-HxCDD	79	68
13C-1234789-HpCDD	106	97
13C-OCDD	97	86
Furans		
13C-2378-TCDF	91	81*
13C-12378-PeCDF	83	78
13C-23478-PeCDF	94	91
13C-123478-HxCDF	74	73
13C-123678-HxCDF	65	62
13C-234678-HxCDF	70	48
13C-123789-HxCDF	89	85
13C-1234678-HpCDF	82	78
13C-1234789-HpCDF	103	93
Clean-Up Recovery Standard		
37Cl4-2378-TCDD	94	96

Notes:
1. Recoveries marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 1 and 9,1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2071	04DEC91LCB2081	04DEC91LCB2091
Keystone/NEA Number:	91TT09OC01-MB	91TT09OC01-01	91TT09OC01-02
Customer Number:		D4	D10
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	84	74	88
13C-12378-PeCDD	102	88	112
13C-123478-HxCDD	82	77	99
13C-123678-HxCDD	75	47	52
13C-1234678-HpCDD	92	73	95
13C-OCDD	80	70	94
Furans			
13C-2378-TCDF	84	65*	76*
13C-12378-PeCDF	74	63	78
13C-23478-PeCDF	84	69	89
13C-123478-HxCDF	71	55	67
13C-123678-HxCDF	64	47	58
13C-234678-HxCDF	45	29	40
13C-123789-HxCDF	85	67	84
13C-1234678-HpCDF	78	57	74
13C-1234789-HpCDF	91	72	93
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	88	80	99

Table 3c

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 1 and 9,1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2101	04DEC91LCB2111
Keystone/NEA Number:	91TT09OC01-03	91TT09OC01-04
Customer Number:	D11	D45
Sample Description:	Sediment	Sediment
Units	%	%
Dioxins		
13C-2378-TCDD	86	84
13C-12378-PeCDD	107	102
13C-123478-HxCDD	97	82
13C-123678-HxCDD	51	62
13C-1234789-HpCDD	94	90
13C-OCDD	93	87
Furans		
13C-2378-TCDF	78*	76*
13C-12378-PeCDF	75	72
13C-23478-PeCDF	82	79
13C-123478-HxCDF	67	63
13C-123678-HxCDF	56	56
13C-234678-HxCDF	47	39
13C-123789-HxCDF	81	78
13C-1234678-HpCDF	73	69
13C-1234789-HpCDF	90	87
Clean-Up Recovery Standard		
37Cl4-2378-TCDD	92	88

SUMMARY OF ANALYTICAL RESULTS

Precision and Recovery Samples

Date received: 1-Oct-91
Client name: Tetra Tech
Laboratory Project Number: 91TT01-09OC01
Customer Project Number:

MS File Number:		04DEC91LCB2061		04DEC91LCB2121		
Keystone/NEA Number:		91TT01OC01-PAR		91TT09OC01-PAR		
Sample Description:	Spiked Levels	Measured Levels	Percent Recy	Measured Levels	Percent Recy	RPD
Units	pg	pg	%	pg	%	%
Dioxins						
2378-TCDD	200	206	103	211	106	-3
12378-PeCDD	1079	845	78	843	78	0
123478-HxCDD	904	1053	117	1003	111	5
123678-HxCDD	888	987	111	1023	115	-4
123789-HxCDD	783	738	94	1091	139	-39
1234678-HpCDD	1012	975	96	1007	99	-3
OCDD	1909	2065	108	2117	111	-2
Furans						
2378-TCDF	188	191	101	183	98	4
12378-PeCDF	931	1141	123	1074	115	6
23478-PeCDF	880	1049	119	1065	121	-1
123478-HxCDF	950	1086	114	1057	111	3
123678-HxCDF	934	1050	112	1072	115	-2
234678-HxCDF	904	1055	117	1029	114	2
123789-HxCDF	960	973	101	969	101	0
1234678-HpCDF	897	1099	122	1047	117	5
1234789-HpCDF	948	1025	108	1039	110	-1
OCDF	1842	2064	112	1956	106	5

SUMMARY OF ANALYTICAL RESULTS

2378-Substituted Isomers

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3071	16DEC91LCB3081	16DEC91LCB3091
Keystone/NEA Number:	91TT08OC01-MB2	91TT08OC01-01	91TT08OC01-02
Customer Number:		D14	D15
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.72	0.19	0.17
12378-PeCDD	ND/EDL=0.38	0.23	0.16
123478-HxCDD	EMPC=0.10	EMPC=0.40	EMPC=0.26
123678-HxCDD	0.27	1.21	0.99
123789-HxCDD	0.25	1.00	0.83
1234678-HpCDD	2.66	12.7	12.1
OCDD	29.1	103	105
Furans			
2378-TCDF	0.05	1.17*	1.34*
12378-PeCDF	ND/EDL=0.94	0.27	0.29
23478-PeCDF	ND/EDL=0.89	0.24	0.23
123478-HxCDF	0.18	0.61	0.73
123678-HxCDF	0.10	EMPC=0.23	0.31
234678-HxCDF	EMPC=0.28	0.36	0.43
123789-HxCDF	ND/EDL=0.12	EMPC=0.14	0.18
1234678-HpCDF	0.84	2.75	3.12
1234789-HpCDF	0.23	EMPC=0.25	EMPC=0.45
OCDF	3.07	7.86	9.45

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1a

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	13DEC91LCB3101	13DEC91LCB3111	13DEC91LCB3121
Keystone/NEA Number:	91TT08OC01-03	91TT08OC01-03MS	91TT08OC01-03MSd
Customer Number:	D16	D16	D16
Sample Description:	Sediment	Sediment plus Matrix Spike	Sediment Matrix Spike Dup
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	0.35	7.32	6.79
12378-PeCDD	0.23	28.3	27.3
123478-HxCDD	0.74	34.4	31.9
123678-HxCDD	1.67	35.3	31.3
123789-HxCDD	1.59	44.3	40.8
1234678-HpCDD	28.8	53.8	49.5
OCDD	303	294	255
Furans			
2378-TCDF	2.87*	9.31*	8.25*
12378-PeCDF	0.57	34.8	32.4
23478-PeCDF	0.49	33.4	30.4
123478-HxCDF	1.14	35.4	29.6
123678-HxCDF	EMPC=0.37	33.4	34.5
234678-HxCDF	0.61	32.3	29.6
123789-HxCDF	EMPC=0.27	30.1	27.9
1234678-HpCDF	5.14	38.4	32.5
1234789-HpCDF	0.75	32.7	30.5
OCDF	8.61	77.0	62.0

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3011	16DEC91LCB3021	16DEC91LCB3031
Keystone/NEA Number:	91TT08OC01-MB1	91TT08OC01-04	91TT08OC01-05
Customer Number:		D18	D19
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.05	0.13	EMPC=0.07
12378-PeCDD	ND/EDL=0.10	0.20	ND/EDL=0.08
123478-HxCDD	ND/EDL=0.11	0.49	0.15
123678-HxCDD	EMPC=0.17	1.93	0.44
123789-HxCDD	0.15	2.39	0.20
1234678-HpCDD	0.07	27.3	16.5
OCDD	5.75	219	129
Furans			
2378-TCDF	0.13	1.30*	0.82*
12378-PeCDF	0.14	1.37	EMPC=0.31
23478-PeCDF	EMPC=0.13	1.46	0.28
123478-HxCDF	0.40	7.47	0.60
123678-HxCDF	EMPC=0.16	2.22	EMPC=0.27
234678-HxCDF	EMPC=0.36	6.21	0.30
123789-HxCDF	EMPC=0.15	EMPC=7.21	EMPC=0.07
1234678-HpCDF	0.92	27.8	2.06
1234789-HpCDF	0.28	15.5	0.31
OCDF	2.43	128	6.15

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3041	16DEC91LCB3051
Keystone/NEA Number:	91TT08OC01-06	91TT08OC01-07
Customer Number:	D20	D23
Sample Description:	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
2378-TCDD	0.24	0.19
12378-PeCDD	0.12	0.13
123478-HxCDD	0.31	EMPC=0.15
123678-HxCDD	1.48	1.02
123789-HxCDD	EMPC=0.89	0.58
1234678-HpCDD	54.3	15.4
OCDD	566	139
Furans		
2378-TCDF	2.07*	1.92*
12378-PeCDF	EMPC=0.17	0.19
23478-PeCDF	0.28	0.21
123478-HxCDF	0.61	0.43
123678-HxCDF	0.25	0.18
234678-HxCDF	EMPC=0.55	0.47
123789-HxCDF	EMPC=0.16	EMPC=0.15
1234678-HpCDF	3.42	2.45
1234789-HpCDF	EMPC=0.37	0.28
OCDF	12.5	6.30

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3071	16DEC91LCB3081	16DEC91LCB3091
Keystone/NEA Number:	91TT08OC01-MB2	91TT08OC01-01	91TT08OC01-02
Customer Number:		D14	D15
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	0.12	1.60	1.48
Total PeCDD	ND/EDL=0.38	1.01	1.01
Total HxCDD	1.08	8.95	10.8
Total HpCDD	4.59	24.3	24.3
Furans			
Total TCDF	0.12	8.53	7.66
Total PeCDF	ND/EDL=0.89	3.71	7.84
Total HxCDF	7.33	5.20	5.02
Total HpCDF	2.44	7.95	8.25

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS

Homologue Group Totals

Date received: October 8, 1991
Client name: Tetra Tech
Laboratory Project Number: 91TT08OC01
Customer Project Number:

MS File Number:	13DEC91LCB2101	13DEC91LCB2111	13DEC91LCB2121
Keystone/NEA Number:	91TT08OC01-03	91TT08OC01-03MS	91TT08OC01-03MSd
Customer Number:	D16	D16	D16
Sample Description:	Sediment	Sediment plus Matrix Spike	Sediment Matrix Spike Dup
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	2.49	8.97	8.36
Total PeCDD	1.64	29.20	27.9
Total HxCDD	18.9	136	131
Total HpCDD	60.5	79.3	73.2
Furans			
Total TCDF	13.9	17.9	16.7
Total PeCDF	7.07	69.7	65.5
Total HxCDF	8.16	139	121
Total HpCDF	17.0	114	71.8

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3011	16DEC91LCB3021	16DEC91LCB3031
Keystone/NEA Number:	91TT08OC01-MB1	91TT08OC01-04	91TT08OC01-05
Customer Number:		D18	D19
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	0.12	0.96	2.1
Total PeCDD	ND/EDL=0.10	1.61	ND/EDL=0.08
Total HxCDD	0.37	16.0	4.84
Total HpCDD	0.60	55.5	48.5
Furans			
Total TCDF	0.13	7.78	11.9
Total PeCDF	0.15	11.80	9.37
Total HxCDF	0.84	38.7	3.71
Total HpCDF	1.82	76.5	5.27

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3041	16DEC91LCB3051
Keystone/NEA Number:	91TT08OC01-06	91TT08OC01-07
Customer Number:	D20	D23
Sample Description:	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
Total TCDD	1.54	1.40
Total PeCDD	0.67	0.66
Total HxCDD	10.4	6.19
Total HpCDD	105	31.1
Furans		
Total TCDF	10.8	10.8
Total PeCDF	5.60	5.42
Total HxCDF	6.08	4.01
Total HpCDF	11.2	6.34

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3071	16DEC91LCB3081	16DEC91LCB3091
Keystone/NEA Number:	91TT08OC01-MB2	91TT08OC01-01	91TT08OC01-02
Customer Number:		D14	D15
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	87	94	94
13C-12378-PeCDD	112	121	125
13C-123478-HxCDD	79	89	95
13C-123678-HxCDD	80	73	72
13C-1234678-HpCDD	101	105	105
13C-OCDD	76	84	91
Furans			
13C-2378-TCDF	100	80*	83*
13C-12378-PeCDF	89	93	94
13C-23478-PeCDF	98	101	101
13C-123478-HxCDF	76	77	73
13C-123678-HxCDF	70	67	69
13C-234678-HxCDF	64	72	74
13C-123789-HxCDF	88	92	95
13C-1234678-HpCDF	86	84	89
13C-1234789-HpCDF	95	98	103
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	91	96	97

Notes:

1. Recoveries marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	13DEC91LCB3101	13DEC91LCB3111	13DEC91LCB3121
Keystone/NEA Number:	91TT08OC01-03	91TT08OC01-03MS	91TT08OC01-03MSd
Customer Number:	D16	D16	D16
Sample Description:	Sediment	Sediment plus Matrix Spike	Sediment Matrix Spike Dup
Units	%	%	%
Dioxins			
13C-2378-TCDD	64	94	90
13C-12378-PeCDD	82	121	113
13C-123478-HxCDD	75	102	101
13C-123678-HxCDD	41	59	55
13C-1234789-HpCDD	74	104	100
13C-OCDD	70	97	100
Furans			
13C-2378-TCDF	55*	80*	76*
13C-12378-PeCDF	63	92	87
13C-23478-PeCDF	67	98	93
13C-123478-HxCDF	61	96	81
13C-123678-HxCDF	35	42	51
13C-234678-HxCDF	45	64	46
13C-123789-HxCDF	61	90	87
13C-1234678-HpCDF	54	78	78
13C-1234789-HpCDF	53	95	93
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	71	97	100

Notes:

1. Recoveries marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3011	16DEC91LCB3021	16DEC91LCB3031
Keystone/NEA Number:	91TT08OC01-MB1	91TT08OC01-04	91TT08OC01-05
Customer Number:		D18	D19
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	94	92	88
13C-12378-PeCDD	113	114	79
13C-123478-HxCDD	80	78	84
13C-123678-HxCDD	92	78	129
13C-1234678-HpCDD	99	93	152
13C-OCDD	81	79	141
Furans			
13C-2378-TCDF	106	80*	78*
13C-12378-PeCDF	92	88	91
13C-23478-PeCDF	102	98	63
13C-123478-HxCDF	84	75	108
13C-123678-HxCDF	82	69	82
13C-234678-HxCDF	68	61	82
13C-123789-HxCDF	97	88	117
13C-1234678-HpCDF	92	82	121
13C-1234789-HpCDF	100	93	148
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	104	92	95

Notes:

1. Recoveries marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS
Internal Standard Recoveries

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3041	16DEC91LCB3051	16DEC91LCB3061
Keystone/NEA Number:	91TT08OC01-06	91TT08OC01-07	91TT08OC01-PAR
Customer Number:	D20	D23	
Sample Description:	Sediment	Sediment	PAR Sample
Units	%	%	%
Dioxins			
13C-2378-TCDD	90	89	95
13C-12378-PeCDD	115	113	118
13C-123478-HxCDD	81	84	80
13C-123678-HxCDD	74	67	87
13C-1234789-HpCDD	96	91	98
13C-OCDD	84	76	82
Furans			
13C-2378-TCDF	75*	76*	103
13C-12378-PeCDF	89	87	92
13C-23478-PeCDF	98	95	102
13C-123478-HxCDF	75	74	80
13C-123678-HxCDF	68	66	75
13C-234678-HxCDF	65	49	60
13C-123789-HxCDF	89	89	93
13C-1234678-HpCDF	80	78	87
13C-1234789-HpCDF	94	92	98
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	95	97	102

Notes:
1. Recoveries marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Precision and Recovery Samples

Date received: October 8, 1991
Client name: Tetra Tech
Laboratory Project Number: 91TT08OC01
Customer Project Number:
Invoice Number:

MS File Number: 16DEC91LCB3061
Keystone/NEA Number: 91TT08OC01-PAR

Sample Description:	Spiked Levels	Measured Levels	Percent Recy
Units	pg	pg	%
Dioxins			
2378-TCDD	200	238	119
12378-PeCDD	1079	1003	93
123478-HxCDD	904	1193	132
123678-HxCDD	888	1135	128
123789-HxCDD	783	1024	131
1234678-HpCDD	1012	1106	109
OCDD	1909	2593	136
Furans			
2378-TCDF	188	203	108
12378-PeCDF	931	1211	130
23478-PeCDF	880	1143	130
123478-HxCDF	950	1150	121
123678-HxCDF	934	1147	123
234678-HxCDF	904	1102	122
123789-HxCDF	960	1077	112
1234678-HpCDF	897	1168	130
1234789-HpCDF	948	1156	122
OCDF	1842	2333	127

Table 4

SUMMARY OF ANALYTICAL RESULTS

Matrix Spike Samples

Date received: October 8, 1991
Client name: TetraTech
Laboratory Project Number: 91TT08OC01
Customer Project Number:

MS File Number:	16DEC91LCB3101			16DEC91LCB3111		
Keystone/NEA Number:	91TT08OC01-03			91TT08OC01-03MS		
Sample Description:	Measured Levels	Spiked Levels*	Spiked Levels**	Theoretical Levels	Measured Levels	% Dev.
Units	pg/g (ppt)	pg	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)	%
Dioxins						
2378-TCDD	0.35	200	6.34	6.69	7.32	9
12378-PeCDD	0.23	1079	34.22	34.45	28.3	-18
123478-HxCDD	0.74	904	28.67	29.41	34.4	17
123678-HxCDD	1.67	888	28.16	29.83	35.3	18
123789-HxCDD	1.59	783	24.83	26.42	44.3	68
1234678-HpCDD	28.8	1012	32.10	60.90	53.8	-12
OCDD	303	1909	60.55	363.55	294	-19
Furans						
2378-TCDF	4.60	188	5.96	10.56	9.31	-12
12378-PeCDF	0.57	931	29.53	30.10	34.8	16
23478-PeCDF	0.49	880	27.91	28.40	33.4	18
123478-HxCDF	1.14	950	30.13	31.27	35.4	13
123678-HxCDF	0.37	934	29.62	29.99	33.4	11
234678-HxCDF	0.61	904	28.67	29.28	32.3	10
123789-HxCDF	0.27	960	30.45	30.72	30.1	-2
1234678-HpCDF	5.14	897	28.45	33.59	38.4	14
1234789-HpCDF	0.75	948	30.07	30.82	32.7	6
OCDF	8.61	1842	58.42	67.03	77.0	15

Notes:

1. Concentrations marked with an asterisk (*) are the absolute amount of each native analyte spiked into the sample -03MS.
2. Concentrations marked with a double asterisk (**) are the spike levels expressed as pg/g (ppt) for a sample weight of 31.53 grams.

SUMMARY OF ANALYTICAL RESULTS
Matrix Spike Samples

Date received: October 8, 1991
Client name: TetraTech
Laboratory Project Number: 91TT08OC01
Customer Project Number:

MS File Number:	16DEC91LCB3101			16DEC91LCB3121		
Keystone/NEA Number:	91TT08OC01-03			91TT08OC01-03MSd		
Sample Description:	Measured Levels	Spiked Levels*	Spiked Levels**	Theoretical Levels	Measured Levels	% Dev.
Units	pg/g (ppt)	pg	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)	%
Dioxins						
2378-TCDD	0.35	200	5.50	5.85	6.79	16
12378-PeCDD	0.23	1079	29.68	29.91	27.3	-9
123478-HxCDD	0.74	904	24.86	25.60	31.9	25
123678-HxCDD	1.67	888	24.42	26.09	31.3	20
123789-HxCDD	1.59	783	21.53	23.12	40.8	76
1234678-HpCDD	28.8	1012	27.83	56.63	49.5	-13
OCDD	303	1909	52.50	355.50	255	-28
Furans						
2378-TCDF	4.60	188	5.17	9.77	9.19	-6
12378-PeCDF	0.57	931	25.61	26.18	32.4	24
23478-PeCDF	0.49	880	24.20	24.69	30.4	23
123478-HxCDF	1.14	950	26.13	27.27	29.6	9
123678-HxCDF	0.37	934	25.69	26.06	34.5	32
234678-HxCDF	0.61	904	24.86	25.47	29.6	16
123789-HxCDF	0.27	960	26.40	26.67	27.9	5
1234678-HpCDF	5.14	897	24.67	29.81	32.5	9
1234789-HpCDF	0.75	948	26.07	26.82	30.5	14
OCDF	8.61	1842	50.66	59.27	62.0	5

Notes:
1. Concentrations marked with an asterisk (*) are the absolute amount of each native analyte spiked into the sample -03MS.
2. Concentrations marked with a double asterisk (**) are the spike levels expressed as pg/g (ppt) for a sample weight of 36.36 grams.

SECTION C

DIOXINS AND FURANS (SEDIMENT)

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received: September 27 and October 15, 1991
Client name: Tetra Tech
Laboratory Project Number: 91TT27SP01 and 91TT15OC01
Customer Project Number:

MS File Number:	13DEC91LCB2031	13DEC91LCB2041	13DEC91LCB2051
Keystone/NEA Number:	91TT27SP01-MB	91TT27SP01-01	91TT27SP01-02
Customer Number:		D35	D38
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.13	0.28	ND/EDL=0.09
12378-PeCDD	ND/EDL=0.13	ND/EDL=0.13	ND/EDL=0.10
123478-HxCDD	ND/EDL=0.17	0.40	ND/EDL=0.17
123678-HxCDD	ND/EDL=0.14	1.39	EMPC=0.14
123789-HxCDD	ND/EDL=0.19	1.00	0.10
1234678-HpCDD	0.71	20.0	0.90
OCDD	4.54	193	6.76
Furans			
2378-TCDF	ND/EDL=0.08	2.94*	0.06*
12378-PeCDF	ND/EDL=0.13	1.14	ND/EDL=0.07
23478-PeCDF	ND/EDL=0.12	0.18	ND/EDL=0.07
123478-HxCDF	EMPC=0.40	2.99	0.31
123678-HxCDF	0.14	0.94	EMPC=0.11
234678-HxCDF	EMPC=0.38	1.02	EMPC=0.24
123789-HxCDF	EMPC=0.10	0.22	ND/EDL=0.10
1234678-HpCDF	0.71	6.46	0.51
1234789-HpCDF	EMPC=0.25	1.76	0.15
OCDF	1.13	16.9	1.19

Notes:
1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1a

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2061	13DEC91LCB2071
Keystone/NEA Number:	91TT27SP01-03	91TT27SP01-03d
Customer Number:	D40	D40
Sample Description:	Sediment	Sediment (Duplicate)
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
2378-TCDD	EMPC=0.21	0.17
12378-PeCDD	0.18	EMPC=0.13
123478-HxCDD	EMPC=0.27	EMPC=0.20
123678-HxCDD	0.59	0.42
123789-HxCDD	0.84	EMPC=0.59
1234678-HpCDD	9.25	6.41
OCDD	71.5	64.6
Furans		
2378-TCDF	0.98*	0.65*
12378-PeCDF	0.94	0.32
23478-PeCDF	0.69	EMPC=0.28
123478-HxCDF	2.78	0.76
123678-HxCDF	1.06	0.3
234678-HxCDF	1.25	0.53
123789-HxCDF	EMPC=0.15	0.22
1234678-HpCDF	6.38	2.08
1234789-HpCDF	1.61	0.50
OCDF	12.5	5.14

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1b

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2081	13DEC91LCB2091	13DEC91LCB2101
Keystone/NEA Number:	91TT15OC01-MB	91TT15OC01-01	91TT15OC01-02
Customer Number:		D5	D8
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.07	0.12	0.16
12378-PeCDD	ND/EDL=0.08	EMPC=0.17	EMPC=0.14
123478-HxCDD	ND/EDL=0.15	0.15	0.19
123678-HxCDD	ND/EDL=0.13	EMPC=0.78	0.59
123789-HxCDD	ND/EDL=0.14	0.58	0.37
1234678-HpCDD	1.22	12.6	5.93
OCDD	9.69	159	45.9
Furans			
2378-TCDF	0.23	1.23*	0.96*
12378-PeCDF	ND/EDL-0.08	0.79	0.24
23478-PeCDF	ND/EDL-0.08	0.54	EMPC=0.16
123478-HxCDF	ND/EDL=0.14	1.69	0.42
123678-HxCDF	ND/EDL=0.13	0.63	0.14
234678-HxCDF	EMPC=0.28	EMPC=0.86	0.43
123789-HxCDF	ND/EDL=0.16	EMPC=0.10	ND/EDL=0.19
1234678-HpCDF	0.42	4.50	1.52
1234789-HpCDF	ND/EDL=0.22	1.14	0.25
OCDF	EMPC=1.03	14.9	EMPC=4.48

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2111	13DEC91LCB2121
Keystone/NEA Number:	91TT15OC01-03	91TT15OC01-03d
Customer Number:	D6	D6
Sample Description:	Sediment	Sediment (Duplicate)
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
2378-TCDD	0.15	0.17
12378-PeCDD	0.16	EMPC=0.19
123478-HxCDD	EMPC=0.17	0.19
123678-HxCDD	1.14	1.98
123789-HxCDD	0.74	EMPC=1.04
1234678-HpCDD	8.75	10.1
OCDD	64.6	57.9
Furans		
2378-TCDF	1.25*	1.33*
12378-PeCDF	EMPC=0.24	0.50
23478-PeCDF	0.20	EMPC=0.25
123478-HxCDF	0.37	2.09
123678-HxCDF	0.17	0.50
234678-HxCDF	0.30	EMPC=0.54
123789-HxCDF	ND/EDL=0.21	ND/EDL=0.20
1234678-HpCDF	2.24	4.31
1234789-HpCDF	ND/EDL=0.42	0.66
OCDF	4.64	6.27

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1d

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2031	13DEC91LCB2041	13DEC91LCB2051
Keystone/NEA Number:	91TT27SP01-MB	91TT27SP01-01	91TT27SP01-02
Customer Number:		D35	D38
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	0.37	2.50	0.87
Total PeCDD	ND/EDL=0.13	ND/EDL=0.13	ND/EDL=0.10
Total HxCDD	ND/EDL=0.14	18.7	1.46
Total HpCDD	1.11	67.2	1.68
Furans			
Total TCDF	0.31	9.62	0.18
Total PeCDF	ND/EDL=0.12	2.34	ND/EDL=0.07
Total HxCDF	0.17	19.2	0.65
Total HpCDF	1.21	27.3	1.05

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2061	13DEC91LCB2071
Keystone/NEA Number:	91TT27SP01-03	91TT27SP01-03d
Customer Number:	D40	D40
Sample Description:	Sediment	Sediment (Duplicate)
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
Total TCDD	0.43	1.10
Total PeCDD	1.33	0.45
Total HxCDD	12.4	5.74
Total HpCDD	27.3	19.4
Furans		
Total TCDF	7.38	4.43
Total PeCDF	5.73	1.22
Total HxCDF	13.4	3.64
Total HpCDF	17.4	4.66

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2081	13DEC91LCB2091	13DEC91LCB2101
Keystone/NEA Number:	91TT15OC01-MB	91TT15OC01-01	91TT15OC01-02
Customer Number:		D5	D8
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	0.44	0.33	0.76
Total PeCDD	ND/EDL=0.08	0.68	0.20
Total HxCDD	ND/EDL=0.13	3.93	2.36
Total HpCDD	2.02	23.1	12.2
Furans			
Total TCDF	0.23	2.89	2.55
Total PeCDF	ND/EDL=0.08	3.61	1.40
Total HxCDF	ND/EDL=0.13	6.81	2.28
Total HpCDF	0.52	9.99	4.55

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2111	13DEC91LCB2121
Keystone/NEA Number:	91TT15OC01-03	91TT15OC01-03d
Customer Number:	D6	D6
Sample Description:	Sediment	Sediment (Duplicate)

Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
Total TCDD	0.79	0.76
Total PeCDD	0.10	0.65
Total HxCDD	7.62	12.0
Total HpCDD	18.2	20.7
Furans		
Total TCDF	4.5	5.24
Total PeCDF	1.21	1.54
Total HxCDF	3.08	6.51
Total HpCDF	6.91	11.3

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS
Internal Standard Recoveries

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2031	13DEC91LCB2041	13DEC91LCB2051
Keystone/NEA Number:	91TT27SP01-MB	91TT27SP01-01	91TT27SP01-02
Customer Number:		D35	D38
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	82	88	76
13C-12378-PeCDD	103	115	105
13C-123478-HxCDD	74	78	65
13C-123678-HxCDD	76	80	71
13C-1234678-HpCDD	106	102	82
13C-OCDD	80	88	54
Furans			
13C-2378-TCDF	96	82*	67*
13C-12378-PeCDF	87	97	85
13C-23478-PeCDF	95	60	90
13C-123478-HxCDF	76	75	68
13C-123678-HxCDF	70	70	62
13C-234678-HxCDF	52	54	49
13C-123789-HxCDF	88	92	81
13C-1234678-HpCDF	88	84	71
13C-1234789-HpCDF	101	100	82
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	87	95	82

Notes:
1. Recoveries highlighted with an asterisk (*) are reported from the DB-225 column.

Table 3a

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2061	13DEC91LCB2071	13DEC91LCB2141
Keystone/NEA Number:	91TT27SP01-03	91TT27SP01-03d	91TT27SP01-PAR
Customer Number:	D40	D40	
Sample Description:	Sediment	Sediment (Duplicate)	PAR Sample
Units	%	%	%
Dioxins			
13C-2378-TCDD	82	84	74
13C-12378-PeCDD	113	114	97
13C-123478-HxCDD	77	78	64
13C-123678-HxCDD	72	73	77
13C-1234789-HpCDD	92	88	80
13C-OCDD	65	63	60
Furans			
13C-2378-TCDF	75*	73*	87
13C-12378-PeCDF	90	90	79
13C-23478-PeCDF	97	96	84
13C-123478-HxCDF	78	77	70
13C-123678-HxCDF	68	68	65
13C-234678-HxCDF	59	49	40
13C-123789-HxCDF	90	89	81
13C-1234678-HpCDF	80	76	71
13C-1234789-HpCDF	91	85	76
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	93	94	90

Notes:

1. Recoveries highlighted with an asterisk (*) are reported from the DB-225 column.

Table 3b

SUMMARY OF ANALYTICAL RESULTS
Internal Standard Recoveries

Date received: September 27 and October 15, 1991
Client name: Tetra Tech
Laboratory Project Number: 91TT27SP01 and 91TT15OC01
Customer Project Number:

MS File Number:	13DEC91LCB2081	13DEC91LCB2091	13DEC91LCB2101
Keystone/NEA Number:	91TT15OC01-MB	91TT15OC01-01	91TT15OC01-02
Customer Number:		D5	D8
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	73	98	86
13C-12378-PeCDD	116	119	115
13C-123478-HxCDD	73	80	77
13C-123678-HxCDD	87	88	80
13C-1234678-HpCDD	83	87	78
13C-OCDD	76	83	76
Furans			
13C-2378-TCDF	101	86*	78*
13C-12378-PeCDF	95	98	92
13C-23478-PeCDF	101	103	99
13C-123478-HxCDF	78	87	81
13C-123678-HxCDF	75	80	72
13C-234678-HxCDF	50	58	44
13C-123789-HxCDF	95	97	93
13C-1234678-HpCDF	77	87	75
13C-1234789-HpCDF	84	89	82
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	67	103	92

Notes:
1. Recoveries highlighted with an asterisk (*) are reported from the DB-225 column.

SUMMARY OF ANALYTICAL RESULTS
Internal Standard Recoveries

Date received:	September 27 and October 15, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT27SP01 and 91TT15OC01
Customer Project Number:	

MS File Number:	13DEC91LCB2111	13DEC91LCB2121	13DEC91LCB2151
Keystone/NEA Number:	91TT15OC01-03	91TT15OC01-03d	91TT15OC01-PAR
Customer Number:	D6	D6	
Sample Description:	Sediment	Sediment (Duplicate)	PAR Sample
Units	%	%	%
Dioxins			
13C-2378-TCDD	88	94	89
13C-12378-PeCDD	114	120	111
13C-123478-HxCDD	72	74	82
13C-123678-HxCDD	85	67	78
13C-1234789-HpCDD	80	82	78
13C-OCDD	80	77	71
Furans			
13C-2378-TCDF	79*	85*	102
13C-12378-PeCDF	92	96	94
13C-23478-PeCDF	100	106	99
13C-123478-HxCDF	78	81	82
13C-123678-HxCDF	73	75	75
13C-234678-HxCDF	54	62	52
13C-123789-HxCDF	92	96	91
13C-1234678-HpCDF	78	79	77
13C-1234789-HpCDF	81	83	81
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	93	101	101

Notes:

1. Recoveries highlighted with an asterisk (*) are reported from the DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Precision and Recovery Samples

Date received: September 27 and October 15, 1991
Client name: Tetra Tech
Laboratory Project Number: 91TT27SP01 and 91TT15OC01
Customer Project Number:
Invoice Number:

MS File Number:	13DEC91LCB2141			13DEC91LCB2151		
Keystone/NEA Number:	91TT27SP01-PAR			91TT15OC01-PAR		
Sample Description:	Spiked Levels	Measured Levels	Percent Recy	Measured Levels	Percent Recy	RPD
Units	pg	pg	%	pg	%	%
Dioxins						
2378-TCDD	200	238	119	222	111	7
12378-PeCDD	1079	995	92	902	84	10
123478-HxCDD	904	1208	134	1015	112	17
123678-HxCDD	888	1101	124	1087	122	1
123789-HxCDD	783	805	103	1030	132	-25
1234678-HpCDD	1012	1084	107	990	98	9
OCDD	1909	2248	118	2062	108	9
Furans						
2378-TCDF	188	202	107	190	101	6
12378-PeCDF	931	1226	132	1111	119	10
23478-PeCDF	880	1164	132	1028	117	12
123478-HxCDF	950	1128	119	1000	105	12
123678-HxCDF	934	1137	122	1066	114	6
234678-HxCDF	904	1089	120	993	110	9
123789-HxCDF	960	1026	107	935	97	9
1234678-HpCDF	897	1172	131	1099	123	6
1234789-HpCDF	948	1180	124	1071	113	10
OCDF	1842	2352	128	2182	118	7

Table 4

SUMMARY OF ANALYTICAL RESULTS

2378-Substituted Isomers

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2011	04DEC91LCB2021	04DEC91LCB2031
Keystone/NEA Number:	91TT01OC01-MB	91TT01OC01-01	91TT01OC01-02
Customer Number:		D28	D24
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.17	EMPC=0.18	EMPC=0.26
12378-PeCDD	ND/EDL=0.28	EMPC=0.21	EMPC=3.38
123478-HxCDD	ND/EDL=0.30	0.65	1.37
123678-HxCDD	ND/EDL=0.25	1.61	5.29
123789-HxCDD	ND/EDL=0.27	1.13	2.52
1234678-HpCDD	EMPC=0.66	41.4	188
OCDD	3.76	369	1480
Furans			
2378-TCDF	EMPC=0.32	1.44*	3.23*
12378-PeCDF	ND/EDL=0.22	EMPC=0.26	1.14
23478-PeCDF	ND/EDL=0.20	0.32	0.83
123478-HxCDF	ND/EDL=0.62	EMPC=0.74	2.18
123678-HxCDF	ND/EDL=0.63	0.43	0.91
234678-HxCDF	ND/EDL=0.75	EMPC=0.44	0.65
123789-HxCDF	ND/EDL=0.74	ND/EDL=0.24	0.09
1234678-HpCDF	0.82	4.30	13.05
1234789-HpCDF	EMPC=0.33	0.37	1.14
OCDF	EMPC=1.52	9.84	36.56

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1a

SUMMARY OF ANALYTICAL RESULTS

2378-Substituted Isomers

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2041	04DEC91LCB2051
Keystone/NEA Number:	91TT01OC01-03	91TT01OC01-04
Customer Number:	D26	D30
Sample Description:	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
2378-TCDD	ND/EDL=0.10	0.12
12378-PeCDD	ND/EDL=0.12	0.09
123478-HxCDD	EMPC=0.10	EMPC=0.17
123678-HxCDD	0.61	0.82
123789-HxCDD	0.44	EMPC=0.57
1234678-HpCDD	6.38	23.03
OCDD	53.76	221
Furans		
2378-TCDF	0.67	1.72*
12378-PeCDF	EMPC=0.24	EMPC=0.19
23478-PeCDF	0.20	0.16
123478-HxCDF	0.70	0.37
123678-HxCDF	0.23	0.16
234678-HxCDF	EMPC=0.38	0.37
123789-HxCDF	EMPC=0.08	EMPC=0.10
1234678-HpCDF	1.67	2.37
1234789-HpCDF	0.35	EMPC=0.12
OCDF	3.58	6.89

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1b

SUMMARY OF ANALYTICAL RESULTS

2378-Substituted Isomers

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2071	04DEC91LCB2081	04DEC91LCB2091
Keystone/NEA Number:	91TT09OC01-MB	91TT09OC01-01	91TT09OC01-02
Customer Number:		D4	D10
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.08	0.23	EMPC=0.26
12378-PeCDD	ND/EDL=0.13	EMPC=0.22	0.52
123478-HxCDD	ND/EDL=0.22	0.51	1.92
123678-HxCDD	ND/EDL=0.19	1.91	5.95
123789-HxCDD	ND/EDL=0.21	1.58	5.04
1234678-HpCDD	1.84	26.2	132
OCDD	11.7	272	768
Furans			
2378-TCDF	EMPC=0.15	2.06*	2.09*
12378-PeCDF	ND/EDL=0.17	EMPC=0.30	EMPC=0.69
23478-PeCDF	ND/EDL=0.15	EMPC=0.30	EMPC=0.43
123478-HxCDF	0.35	EMPC=0.67	1.75
123678-HxCDF	EMPC=0.17	0.27	EMPC=1.41
234678-HxCDF	0.33	EMPC=0.66	1.40
123789-HxCDF	EMPC=0.04	EMPC=0.07	EMPC=0.08
1234678-HpCDF	0.97	4.65	14.8
1234789-HpCDF	EMPC=0.32	0.31	1.19
OCDF	2.55	15.1	34.6

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1c

SUMMARY OF ANALYTICAL RESULTS

2378-Substituted Isomers

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2101	04DEC91LCB2111
Keystone/NEA Number:	91TT09OC01-03	91TT09OC01-04
Customer Number:	D11	D45
Sample Description:	Sediment	Sediment

Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
2378-TCDD	0.22	0.25
12378-PeCDD	0.12	0.16
123478-HxCDD	0.38	EMPC=0.40
123678-HxCDD	1.43	1.43
123789-HxCDD	1.19	0.94
1234678-HpCDD	23.8	27.1
OCDD	217	244
Furans		
2378-TCDF	1.93*	1.96*
12378-PeCDF	EMPC=0.36	EMPC=0.25
23478-PeCDF	0.24	EMPC=0.27
123478-HxCDF	EMPC=0.51	0.54
123678-HxCDF	EMPC=0.21	EMPC=0.28
234678-HxCDF	0.16	EMPC=0.30
123789-HxCDF	EMPC=1.87	ND/EDL=0.18
1234678-HpCDF	2.83	2.91
1234789-HpCDF	EMPC=0.31	0.25
OCDF	6.76	8.22

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2011	04DEC91LCB2021	04DEC91LCB2031
Keystone/NEA Number:	91TT01OC01-MB	91TT01OC01-01	91TT01OC01-02
Customer Number:		D28	D24
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	ND/EDL=0.17	0.97	2.94
Total PeCDD	ND/EDL=0.28	0.48	2.24
Total HxCDD	ND/EDL=0.25	13.31	54.67
Total HpCDD	0.41	80.36	378
Furans			
Total TCDF	0.32	5.73	11.21
Total PeCDF	ND/EDL=0.20	2.17	7.66
Total HxCDF	ND/EDL=0.62	11.79	23.55
Total HpCDF	0.94	17.67	45.35

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS

Homologue Group Totals

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2041	04DEC91LCB2051
Keystone/NEA Number:	91TT01OC01-03	91TT01OC01-04
Customer Number:	D26	D30
Sample Description:	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
Total TCDD	0.55	0.48
Total PeCDD	0.24	0.40
Total HxCDD	4.71	7.42
Total HpCDD	11.2	45.38
Furans		
Total TCDF	1.76	4.59
Total PeCDF	8.97	1.11
Total HxCDF	2.06	4.17
Total HpCDF	3.47	7.54

Note:

1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

Table 2b

SUMMARY OF ANALYTICAL RESULTS

Homologue Group Totals

Date received: October 1 and October 9, 1991
Client name: TetraTech
Laboratory Project Number: 91TT01OC01 and 91TT09OC01
Customer Project Number:

MS File Number:	04DEC91LCB2071	04DEC91LCB2081	04DEC91LCB2091
Keystone/NEA Number:	91TT09OC01-MB	91TT09OC01-01	91TT09OC01-02
Customer Number:		D4	D10
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	ND/EDL=0.08	0.71	1.24
Total PeCDD	ND/EDL=0.13	0.12	2.60
Total HxCDD	ND/EDL=0.19	16.8	47.3
Total HpCDD	2.62	55.2	211
Furans			
Total TCDF	ND/EDL=0.15	6.79	7.72
Total PeCDF	ND/EDL=0.15	1.20	10.1
Total HxCDF	1.03	5.29	28.6
Total HpCDF	1.89	14.1	52.5

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS

Homologue Group Totals

Date received:	October 1 and October 9, 1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2101	04DEC91LCB2111
Keystone/NEA Number:	91TT09OC01-03	91TT09OC01-04
Customer Number:	D11	D45
Sample Description:	Sediment	Sediment

Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
Total TCDD	0.92	1.06
Total PeCDD	0.37	0.67
Total HxCDD	14.4	12.8
Total HpCDD	46.1	53.7
Furans		
Total TCDF	5.96	6.79
Total PeCDF	2.91	2.65
Total HxCDF	2.48	4.64
Total HpCDF	8.14	8.54

Table 2d

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 1 and 9,1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2011	04DEC91LCB2021	04DEC91LCB2031
Keystone/NEA Number:	91TT01OC01-MB	91TT01OC01-01	91TT01OC01-02
Customer Number:		D28	D24
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	83	91	94
13C-12378-PeCDD	100	112	116
13C-123478-HxCDD	76	91	82
13C-123678-HxCDD	81	67	84
13C-1234678-HpCDD	97	96	110
13C-OCDD	74	86	116
Furans			
13C-2378-TCDF	83	83*	88*
13C-12378-PeCDF	75	82	80
13C-23478-PeCDF	81	88	86
13C-123478-HxCDF	72	72	74
13C-123678-HxCDF	66	63	65
13C-234678-HxCDF	65	62	54
13C-123789-HxCDF	84	85	95
13C-1234678-HpCDF	79	75	83
13C-1234789-HpCDF	90	94	104
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	85	99	78

Notes:

1. Recoveries marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 1 and 9,1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2041	04DEC91LCB2051
Keystone/NEA Number:	91TT01OC01-03	91TT01OC01-04
Customer Number:	D26	D30
Sample Description:	Sediment	Sediment
Units	%	%
Dioxins		
13C-2378-TCDD	91	89
13C-12378-PeCDD	117	112
13C-123478-HxCDD	84	87
13C-123678-HxCDD	79	68
13C-1234789-HpCDD	106	97
13C-OCDD	97	86
Furans		
13C-2378-TCDF	91	81*
13C-12378-PeCDF	83	78
13C-23478-PeCDF	94	91
13C-123478-HxCDF	74	73
13C-123678-HxCDF	65	62
13C-234678-HxCDF	70	48
13C-123789-HxCDF	89	85
13C-1234678-HpCDF	82	78
13C-1234789-HpCDF	103	93
Clean-Up Recovery Standard		
37Cl4-2378-TCDD	94	96

Notes:

1. Recoveries marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS
Internal Standard Recoveries

Date received:	October 1 and 9,1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2071	04DEC91LCB2081	04DEC91LCB2091
Keystone/NEA Number:	91TT09OC01-MB	91TT09OC01-01	91TT09OC01-02
Customer Number:		D4	D10
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	84	74	88
13C-12378-PeCDD	102	88	112
13C-123478-HxCDD	82	77	99
13C-123678-HxCDD	75	47	52
13C-1234678-HpCDD	92	73	95
13C-OCDD	80	70	94
Furans			
13C-2378-TCDF	84	65*	76*
13C-12378-PeCDF	74	63	78
13C-23478-PeCDF	84	69	89
13C-123478-HxCDF	71	55	67
13C-123678-HxCDF	64	47	58
13C-234678-HxCDF	45	29	40
13C-123789-HxCDF	85	67	84
13C-1234678-HpCDF	78	57	74
13C-1234789-HpCDF	91	72	93
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	88	80	99

Table 3c

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 1 and 9,1991
Client name:	TetraTech
Laboratory Project Number:	91TT01OC01 and 91TT09OC01
Customer Project Number:	

MS File Number:	04DEC91LCB2101	04DEC91LCB2111
Keystone/NEA Number:	91TT09OC01-03	91TT09OC01-04
Customer Number:	D11	D45
Sample Description:	Sediment	Sediment
Units	%	%
Dioxins		
13C-2378-TCDD	86	84
13C-12378-PeCDD	107	102
13C-123478-HxCDD	97	82
13C-123678-HxCDD	51	62
13C-1234789-HpCDD	94	90
13C-OCDD	93	87
Furans		
13C-2378-TCDF	78*	76*
13C-12378-PeCDF	75	72
13C-23478-PeCDF	82	79
13C-123478-HxCDF	67	63
13C-123678-HxCDF	56	56
13C-234678-HxCDF	47	39
13C-123789-HxCDF	81	78
13C-1234678-HpCDF	73	69
13C-1234789-HpCDF	90	87
Clean-Up Recovery Standard		
37Cl4-2378-TCDD	92	88

Table 3d

SUMMARY OF ANALYTICAL RESULTS
Precision and Recovery Samples

Date received: 1-Oct-91
Client name: Tetra Tech
Laboratory Project Number: 91TT01-09OC01
Customer Project Number:

MS File Number:		04DEC91LCB2061		04DEC91LCB2121		
Keystone/NEA Number:		91TT01OC01-PAR		91TT09OC01-PAR		
Sample Description:	Spiked Levels	Measured Levels	Percent Recy	Measured Levels	Percent Recy	RPD
Units	pg	pg	%	pg	%	%
Dioxins						
2378-TCDD	200	206	103	211	106	-3
12378-PeCDD	1079	845	78	843	78	0
123478-HxCDD	904	1053	117	1003	111	5
123678-HxCDD	888	987	111	1023	115	-4
123789-HxCDD	783	738	94	1091	139	-39
1234678-HpCDD	1012	975	96	1007	99	-3
OCDD	1909	2065	108	2117	111	-2
Furans						
2378-TCDF	188	191	101	183	98	4
12378-PeCDF	931	1141	123	1074	115	6
23478-PeCDF	880	1049	119	1065	121	-1
123478-HxCDF	950	1086	114	1057	111	3
123678-HxCDF	934	1050	112	1072	115	-2
234678-HxCDF	904	1055	117	1029	114	2
123789-HxCDF	960	973	101	969	101	0
1234678-HpCDF	897	1099	122	1047	117	5
1234789-HpCDF	948	1025	108	1039	110	-1
OCDF	1842	2064	112	1956	106	5

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received: October 8, 1991
Client name: Tetra Tech
Laboratory Project Number: 91TT08OC01
Customer Project Number:

MS File Number:	16DEC91LCB3071	16DEC91LCB3081	16DEC91LCB3091
Keystone/NEA Number:	91TT08OC01-MB2	91TT08OC01-01	91TT08OC01-02
Customer Number:		D14	D15
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.72	0.19	0.17
12378-PeCDD	ND/EDL=0.38	0.23	0.16
123478-HxCDD	EMPC=0.10	EMPC=0.40	EMPC=0.26
123678-HxCDD	0.27	1.21	0.99
123789-HxCDD	0.25	1.00	0.83
1234678-HpCDD	2.66	12.7	12.1
OCDD	29.1	103	105
Furans			
2378-TCDF	0.05	1.17*	1.34*
12378-PeCDF	ND/EDL=0.94	0.27	0.29
23478-PeCDF	ND/EDL=0.89	0.24	0.23
123478-HxCDF	0.18	0.61	0.73
123678-HxCDF	0.10	EMPC=0.23	0.31
234678-HxCDF	EMPC=0.28	0.36	0.43
123789-HxCDF	ND/EDL=0.12	EMPC=0.14	0.18
1234678-HpCDF	0.84	2.75	3.12
1234789-HpCDF	0.23	EMPC=0.25	EMPC=0.45
OCDF	3.07	7.86	9.45

Notes:
1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1a

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	13DEC91LCB3101	13DEC91LCB3111	13DEC91LCB3121
Keystone/NEA Number:	91TT08OC01-03	91TT08OC01-03MS	91TT08OC01-03MSd
Customer Number:	D16	D16	D16
Sample Description:	Sediment	Sediment plus Matrix Spike	Sediment Matrix Spike Dup
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	0.35	7.32	6.79
12378-PeCDD	0.23	28.3	27.3
123478-HxCDD	0.74	34.4	31.9
123678-HxCDD	1.67	35.3	31.3
123789-HxCDD	1.59	44.3	40.8
1234678-HpCDD	28.8	53.8	49.5
OCDD	303	294	255
Furans			
2378-TCDF	2.87*	9.31*	8.25*
12378-PeCDF	0.57	34.8	32.4
23478-PeCDF	0.49	33.4	30.4
123478-HxCDF	1.14	35.4	29.6
123678-HxCDF	EMPC=0.37	33.4	34.5
234678-HxCDF	0.61	32.3	29.6
123789-HxCDF	EMPC=0.27	30.1	27.9
1234678-HpCDF	5.14	38.4	32.5
1234789-HpCDF	0.75	32.7	30.5
OCDF	8.61	77.0	62.0

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1b

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3011	16DEC91LCB3021	16DEC91LCB3031
Keystone/NEA Number:	91TT08OC01-MB1	91TT08OC01-04	91TT08OC01-05
Customer Number:		D18	D19
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
2378-TCDD	ND/EDL=0.05	0.13	EMPC=0.07
12378-PeCDD	ND/EDL=0.10	0.20	ND/EDL=0.08
123478-HxCDD	ND/EDL=0.11	0.49	0.15
123678-HxCDD	EMPC=0.17	1.93	0.44
123789-HxCDD	0.15	2.39	0.20
1234678-HpCDD	0.07	27.3	16.5
OCDD	5.75	219	129
Furans			
2378-TCDF	0.13	1.30*	0.82*
12378-PeCDF	0.14	1.37	EMPC=0.31
23478-PeCDF	EMPC=0.13	1.46	0.28
123478-HxCDF	0.40	7.47	0.60
123678-HxCDF	EMPC=0.16	2.22	EMPC=0.27
234678-HxCDF	EMPC=0.36	6.21	0.30
123789-HxCDF	EMPC=0.15	EMPC=7.21	EMPC=0.07
1234678-HpCDF	0.92	27.8	2.06
1234789-HpCDF	0.28	15.5	0.31
OCDF	2.43	128	6.15

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

Table 1c

SUMMARY OF ANALYTICAL RESULTS
2378-Substituted Isomers

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3041	16DEC91LCB3051
Keystone/NEA Number:	91TT08OC01-06	91TT08OC01-07
Customer Number:	D20	D23
Sample Description:	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
2378-TCDD	0.24	0.19
12378-PeCDD	0.12	0.13
123478-HxCDD	0.31	EMPC=0.15
123678-HxCDD	1.48	1.02
123789-HxCDD	EMPC=0.89	0.58
1234678-HpCDD	54.3	15.4
OCDD	566	139
Furans		
2378-TCDF	2.07*	1.92*
12378-PeCDF	EMPC=0.17	0.19
23478-PeCDF	0.28	0.21
123478-HxCDF	0.61	0.43
123678-HxCDF	0.25	0.18
234678-HxCDF	EMPC=0.55	0.47
123789-HxCDF	EMPC=0.16	EMPC=0.15
1234678-HpCDF	3.42	2.45
1234789-HpCDF	EMPC=0.37	0.28
OCDF	12.5	6.30

Notes:

1. ND/EDL = Analyte Not Detected at or above the sample specific Estimated Detection Limit.
2. EMPC = Estimated Maximum Possible Concentration.
3. Concentrations marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3071	16DEC91LCB3081	16DEC91LCB3091
Keystone/NEA Number:	91TT08OC01-MB2	91TT08OC01-01	91TT08OC01-02
Customer Number:		D14	D15
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	0.12	1.60	1.48
Total PeCDD	ND/EDL=0.38	1.01	1.01
Total HxCDD	1.08	8.95	10.8
Total HpCDD	4.59	24.3	24.3
Furans			
Total TCDF	0.12	8.53	7.66
Total PeCDF	ND/EDL=0.89	3.71	7.84
Total HxCDF	7.33	5.20	5.02
Total HpCDF	2.44	7.95	8.25

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

Table 2a

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received: October 8, 1991
Client name: Tetra Tech
Laboratory Project Number: 91TT08OC01
Customer Project Number:

MS File Number:	13DEC91LCB2101	13DEC91LCB2111	13DEC91LCB2121
Keystone/NEA Number:	91TT08OC01-03	91TT08OC01-03MS	91TT08OC01-03MSd
Customer Number:	D16	D16	D16
Sample Description:	Sediment	Sediment plus Matrix Spike	Sediment Matrix Spike Dup
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	2.49	8.97	8.36
Total PeCDD	1.64	29.20	27.9
Total HxCDD	18.9	136	131
Total HpCDD	60.5	79.3	73.2
Furans			
Total TCDF	13.9	17.9	16.7
Total PeCDF	7.07	69.7	65.5
Total HxCDF	8.16	139	121
Total HpCDF	17.0	114	71.8

Note:
1. ND/EDL = Analyte Not Detected at or above sample specific Estimated Detection Limit.

SUMMARY OF ANALYTICAL RESULTS

Homologue Group Totals

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3011	16DEC91LCB3021	16DEC91LCB3031
Keystone/NEA Number:	91TT08OC01-MB1	91TT08OC01-04	91TT08OC01-05
Customer Number:		D18	D19
Sample Description:	Method Blank	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)
Dioxins			
Total TCDD	0.12	0.96	2.1
Total PeCDD	ND/EDL=0.10	1.61	ND/EDL=0.08
Total HxCDD	0.37	16.0	4.84
Total HpCDD	0.60	55.5	48.5
Furans			
Total TCDF	0.13	7.78	11.9
Total PeCDF	0.15	11.80	9.37
Total HxCDF	0.84	38.7	3.71
Total HpCDF	1.82	76.5	5.27

Table 2c

SUMMARY OF ANALYTICAL RESULTS
Homologue Group Totals

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3041	16DEC91LCB3051
Keystone/NEA Number:	91TT08OC01-06	91TT08OC01-07
Customer Number:	D20	D23
Sample Description:	Sediment	Sediment
Units	pg/g (ppt)	pg/g (ppt)
Dioxins		
Total TCDD	1.54	1.40
Total PeCDD	0.67	0.66
Total HxCDD	10.4	6.19
Total HpCDD	105	31.1
Furans		
Total TCDF	10.8	10.8
Total PeCDF	5.60	5.42
Total HxCDF	6.08	4.01
Total HpCDF	11.2	6.34

SUMMARY OF ANALYTICAL RESULTS
Internal Standard Recoveries

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3071	16DEC91LCB3081	16DEC91LCB3091
Keystone/NEA Number:	91TT08OC01-MB2	91TT08OC01-01	91TT08OC01-02
Customer Number:		D14	D15
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	87	94	94
13C-12378-PeCDD	112	121	125
13C-123478-HxCDD	79	89	95
13C-123678-HxCDD	80	73	72
13C-1234678-HpCDD	101	105	105
13C-OCDD	76	84	91
Furans			
13C-2378-TCDF	100	80*	83*
13C-12378-PeCDF	89	93	94
13C-23478-PeCDF	98	101	101
13C-123478-HxCDF	76	77	73
13C-123678-HxCDF	70	67	69
13C-234678-HxCDF	64	72	74
13C-123789-HxCDF	88	92	95
13C-1234678-HpCDF	86	84	89
13C-1234789-HpCDF	95	98	103
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	91	96	97

Notes:
1. Recoveries marked with an asterisk (*) are from a DB-225 column.

Table 3a

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	13DEC91LCB3101	13DEC91LCB3111	13DEC91LCB3121
Keystone/NEA Number:	91TT08OC01-03	91TT08OC01-03MS	91TT08OC01-03MSd
Customer Number:	D16	D16	D16
Sample Description:	Sediment	Sediment plus Matrix Spike	Sediment Matrix Spike Dup
Units	%	%	%
Dioxins			
13C-2378-TCDD	64	94	90
13C-12378-PeCDD	82	121	113
13C-123478-HxCDD	75	102	101
13C-123678-HxCDD	41	59	55
13C-1234789-HpCDD	74	104	100
13C-OCDD	70	97	100
Furans			
13C-2378-TCDF	55*	80*	76*
13C-12378-PeCDF	63	92	87
13C-23478-PeCDF	67	98	93
13C-123478-HxCDF	61	96	81
13C-123678-HxCDF	35	42	51
13C-234678-HxCDF	45	64	46
13C-123789-HxCDF	61	90	87
13C-1234678-HpCDF	54	78	78
13C-1234789-HpCDF	53	95	93
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	71	97	100

Notes:

1. Recoveries marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3011	16DEC91LCB3021	16DEC91LCB3031
Keystone/NEA Number:	91TT08OC01-MB1	91TT08OC01-04	91TT08OC01-05
Customer Number:		D18	D19
Sample Description:	Method Blank	Sediment	Sediment
Units	%	%	%
Dioxins			
13C-2378-TCDD	94	92	88
13C-12378-PeCDD	113	114	79
13C-123478-HxCDD	80	78	84
13C-123678-HxCDD	92	78	129
13C-1234678-HpCDD	99	93	152
13C-OCDD	81	79	141
Furans			
13C-2378-TCDF	106	80*	78*
13C-12378-PeCDF	92	88	91
13C-23478-PeCDF	102	98	63
13C-123478-HxCDF	84	75	108
13C-123678-HxCDF	82	69	82
13C-234678-HxCDF	68	61	82
13C-123789-HxCDF	97	88	117
13C-1234678-HpCDF	92	82	121
13C-1234789-HpCDF	100	93	148
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	104	92	95

Notes:

1. Recoveries marked with an asterisk (*) are from a DB-225 column.

Table 3c

SUMMARY OF ANALYTICAL RESULTS

Internal Standard Recoveries

Date received:	October 8, 1991
Client name:	Tetra Tech
Laboratory Project Number:	91TT08OC01
Customer Project Number:	

MS File Number:	16DEC91LCB3041	16DEC91LCB3051	16DEC91LCB3061
Keystone/NEA Number:	91TT08OC01-06	91TT08OC01-07	91TT08OC01-PAR
Customer Number:	D20	D23	
Sample Description:	Sediment	Sediment	PAR Sample
Units	%	%	%
Dioxins			
13C-2378-TCDD	90	89	95
13C-12378-PeCDD	115	113	118
13C-123478-HxCDD	81	84	80
13C-123678-HxCDD	74	67	87
13C-1234789-HpCDD	96	91	98
13C-OCDD	84	76	82
Furans			
13C-2378-TCDF	75*	76*	103
13C-12378-PeCDF	89	87	92
13C-23478-PeCDF	98	95	102
13C-123478-HxCDF	75	74	80
13C-123678-HxCDF	68	66	75
13C-234678-HxCDF	65	49	60
13C-123789-HxCDF	89	89	93
13C-1234678-HpCDF	80	78	87
13C-1234789-HpCDF	94	92	98
Clean-Up Recovery Standard			
37Cl4-2378-TCDD	95	97	102

Notes:

1. Recoveries marked with an asterisk (*) are from a DB-225 column.

SUMMARY OF ANALYTICAL RESULTS

Precision and Recovery Samples

Date received: October 8, 1991
Client name: Tetra Tech
Laboratory Project Number: 91TT08OC01
Customer Project Number:
Invoice Number:

MS File Number: 16DEC91LCB3061
Keystone/NEA Number: 91TT08OC01-PAR

Sample Description:	Spiked Levels	Measured Levels	Percent Recy
Units	pg	pg	%
Dioxins			
2378-TCDD	200	238	119
12378-PeCDD	1079	1003	93
123478-HxCDD	904	1193	132
123678-HxCDD	888	1135	128
123789-HxCDD	783	1024	131
1234678-HpCDD	1012	1106	109
OCDD	1909	2593	136
Furans			
2378-TCDF	188	203	108
12378-PeCDF	931	1211	130
23478-PeCDF	880	1143	130
123478-HxCDF	950	1150	121
123678-HxCDF	934	1147	123
234678-HxCDF	904	1102	122
123789-HxCDF	960	1077	112
1234678-HpCDF	897	1168	130
1234789-HpCDF	948	1156	122
OCDF	1842	2333	127

SUMMARY OF ANALYTICAL RESULTS
Matrix Spike Samples

Date received: October 8, 1991
Client name: TetraTech
Laboratory Project Number: 91TT08OC01
Customer Project Number:

MS File Number:	16DEC91LCB3101			16DEC91LCB3111		
Keystone/NEA Number:	91TT08OC01-03			91TT08OC01-03MS		
Sample Description:	Measured Levels	Spiked Levels*	Spiked Levels**	Theoretical Levels	Measured Levels	% Dev.
Units	pg/g (ppt)	pg	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)	%
Dioxins						
2378-TCDD	0.35	200	6.34	6.69	7.32	9
12378-PeCDD	0.23	1079	34.22	34.45	28.3	-18
123478-HxCDD	0.74	904	28.67	29.41	34.4	17
123678-HxCDD	1.67	888	28.16	29.83	35.3	18
123789-HxCDD	1.59	783	24.83	26.42	44.3	68
1234678-HpCDD	28.8	1012	32.10	60.90	53.8	-12
OCDD	303	1909	60.55	363.55	294	-19
Furans						
2378-TCDF	4.60	188	5.96	10.56	9.31	-12
12378-PeCDF	0.57	931	29.53	30.10	34.8	16
23478-PeCDF	0.49	880	27.91	28.40	33.4	18
123478-HxCDF	1.14	950	30.13	31.27	35.4	13
123678-HxCDF	0.37	934	29.62	29.99	33.4	11
234678-HxCDF	0.61	904	28.67	29.28	32.3	10
123789-HxCDF	0.27	960	30.45	30.72	30.1	-2
1234678-HpCDF	5.14	897	28.45	33.59	38.4	14
1234789-HpCDF	0.75	948	30.07	30.82	32.7	6
OCDF	8.61	1842	58.42	67.03	77.0	15

Notes:
1. Concentrations marked with an asterisk (*) are the absolute amount of each native analyte spiked into the sample -03MS.
2. Concentrations marked with a double asterisk (**) are the spike levels expressed as pg/g (ppt) for a sample weight of 31.53 grams.

SUMMARY OF ANALYTICAL RESULTS

Matrix Spike Samples

Date received: October 8, 1991
Client name: TetraTech
Laboratory Project Number: 91TT08OC01
Customer Project Number:

MS File Number:	16DEC91LCB3101			16DEC91LCB3121		
Keystone/NEA Number:	91TT08OC01-03			91TT08OC01-03MSd		
Sample Description:	Measured Levels	Spiked Levels*	Spiked Levels**	Theoretical Levels	Measured Levels	% Dev.
Units	pg/g (ppt)	pg	pg/g (ppt)	pg/g (ppt)	pg/g (ppt)	%
Dioxins						
2378-TCDD	0.35	200	5.50	5.85	6.79	16
12378-PeCDD	0.23	1079	29.68	29.91	27.3	-9
123478-HxCDD	0.74	904	24.86	25.60	31.9	25
123678-HxCDD	1.67	888	24.42	26.09	31.3	20
123789-HxCDD	1.59	783	21.53	23.12	40.8	76
1234678-HpCDD	28.8	1012	27.83	56.63	49.5	-13
OCDD	303	1909	52.50	355.50	255	-28
Furans						
2378-TCDF	4.60	188	5.17	9.77	9.19	-6
12378-PeCDF	0.57	931	25.61	26.18	32.4	24
23478-PeCDF	0.49	880	24.20	24.69	30.4	23
123478-HxCDF	1.14	950	26.13	27.27	29.6	9
123678-HxCDF	0.37	934	25.69	26.06	34.5	32
234678-HxCDF	0.61	904	24.86	25.47	29.6	16
123789-HxCDF	0.27	960	26.40	26.67	27.9	5
1234678-HpCDF	5.14	897	24.67	29.81	32.5	9
1234789-HpCDF	0.75	948	26.07	26.82	30.5	14
OCDF	8.61	1842	50.66	59.27	62.0	5

Notes:

1. Concentrations marked with an asterisk (*) are the absolute amount of each native analyte spiked into the sample -03MS.
2. Concentrations marked with a double asterisk (**) are the spike levels expressed as pg/g (ppt) for a sample weight of 36.36 grams.