APPENDIX C

CHAIN-OF-CUSTODY AND SAMPLE PROCESSING FORMS

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested:	Page: 1 of 5	
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 206-287-9130	Date: 10/2/06	Ice Present?
Client Contact: SUSAN SNYDER		No. of Coolers:	Cooler Temps:
Client Project Name: DUWAMISH DIAGONAL FISH SAMPLING			
Client Project #:	Samplers: PS DH		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: PCB Aroclors	Lipids	Moisture						Notes/Comments
LWD-06-T1-A-TR003-ES-1	9/30/06	0934	whole fish	1									
A-TR004-ES-2		0955		1									
A-TR017-ES-3		1540		1									
A-TR017-ES-4		1540		1									
A-TR003-SSP-C		0934		1									
B-TR001-SSP-C		0900		1									
B-TR018-ES-1		1556		1									
B-TR001-ES-2		0900		1									
B-TR001-ES-3		0900		1									
B-TR001-ES-4		0900		1									

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
Hold until further direction 4°C	(Signature) PT	(Signature) E Joshi	(Signature)	(Signature)
	Printed Name: Paul Schlenger	Printed Name: E JOSHI	Printed Name:	Printed Name:
	Company: Anchor ENV	Company: ARI	Company:	Company:
	Date & Time: 10/2/06 0745	Date & Time: 10/2/06 0745	Date & Time:	Date & Time:

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested:	Page: 2 of 5	
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 2062879130	Date: 10/2/06	Ice Present?
Client Contact: SUSAN SNYDER		No. of Coolers:	Cooler Temps:
Client Project Name: DUWAMISH DIAGONAL FISH SAMPLING			
Client Project #:	Samplers: PS DH		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: PCB Aroclors	Lipids	Moisture	Notes/Comments
LWD-06-TI-B-TR001-ES-5	9/30/06	0900	whole fish	1				
C-TR005-SSP-C		1039		1				
C-TR021-SSP-C		1651		1				
C-TR005-ES-1		1039		1				
C-TR005-ES-2		1039		1				
C-TR005-ES-3		1039		1				
C-TR005-ES-4		1039		1				
C-TR005-ES-5		1039		1				
C-TR005-ES-6		1039		1				
C-TR020-ES-7		1635		1				

Comments/Special Instructions: Hold until further direction. 4°C

	Relinquished by:	Received by:	Relinquished by:	Received by:
(Signature)		EJosh		
Printed Name:	Paul Schlenger	EJOSH		
Company:	Anchor Env	ARI		
Date & Time:	10/2/06 0745	10/2/06 0745		

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested:	Page: 3 of 5	
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 206 2879130	Date: 10/2/06	Ice Present?
Client Contact: SUSAN SNYDER		No. of Coolers:	Cooler Temps:
Client Project Name: DUWAMISH DIAGONAL FISH SAMPLING			
Client Project #:	Samplers: PS DH		

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Analytical Chemists and Consultants
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Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: PCB Aroclors	Lipids	Moisture	Notes/Comments
LWD-06-T1-C-TR019-ES-8	9/30/06	1615	whole fish	1				
C-TR019-ES-9		1615		1				
C-TR019-ES-10		1615		1				
C-TR019-ES-11		1615		1				
C-TR019-ES-12		1615		1				
C-TR020-ES-13		1635		1				
C-TR020-ES-14		1635		1				
C-TR020-ES-15		1635		1				
C-TR021-ES-16		1651		1				
C-TR021-ES-17		1651		1				

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
Hold until further direction	Printed Name: Paul Schlenger	Printed Name: EJOSHI	Printed Name:	Printed Name:
4°C	Company: Anchor Env.	Company: AR	Company:	Company:
	Date & Time: 10/2/06 0745	Date & Time: 10/2/06 0745	Date & Time:	Date & Time:

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested:	Page: 4 of 5	
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 206 287 9130	Date: 10/2/06	Ice Present?
Client Contact: SUSAN SNYDER		No. of Coolers:	Cooler Temps:
Client Project Name: DUWAMISH DIAGONAL FISH SAMPLING			
Client Project #:	Samplers: PS DH		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
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Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: PCB Aroclors	Lipids	Moisture						Notes/Comments
LWD-06-TR-D-TR015-SSP-C	9/30/06	1501	Whole Fish	1									2 foil bags of fish inside plastic bag
D-TR023-SSP-C		1731		1									
D-TR007-ES-1		1124		1									
D-TR015-ES-2		1501		1									
D-TR023-ES-3		1731		1									
D-TR023-ES-4		1731		1									
D-TR023-ES-5		1731		1									
E-TR009-SSP-C		1302		1									
E-TR009-ES-1		1302		1									
E-TR009-ES-2		1302		1									

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
Hold until further direction 4°C	(Signature) RCT	(Signature) EJoshi	(Signature)	(Signature)
	Printed Name: Paul Schlenger	Printed Name: E JOSHI	Printed Name:	Printed Name:
	Company: Anchor ENV	Company: ARI	Company:	Company:
	Date & Time: 10/2/06 0745	Date & Time: 10/2/06 0745	Date & Time:	Date & Time:

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested:	Page: 5 of 5	
ARI Client Company: ANCHOR ENVIRONMENTAL	Phone: 206 287 9130	Date: 10/2/06	Ice Present?
Client Contact: SUSAN SNYDER		No. of Coolers:	Cooler Temps:
Client Project Name: DUWAMISH DIAGONAL FISH SAMPLING			
Client Project #:	Samplers:		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
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Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested: PCB Aroclors	Lipids	Moisture	Notes/Comments
DW-06-T[illegible]-E-TR009-ES-3	9/30/06	1302	whole fish	1				
E-TR009-ES-4		1302		1				
E-TR010-ES-5		1319		1				
F-TR011-SSP-C		1338		1				
F-TR012-ES-1		1400		1				
F-TR013-ES-2		1419		1				
F-TR011-ES-3		1338		1				

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
Hold until further direction 4°C	Printed Name: Paul Schlenger	Printed Name: E JOSHI	Printed Name:	Printed Name:
	Company: Anchor ENV	Company: ARI	Company:	Company:
	Date & Time: 10/2/06 0745	Date & Time: 10/2/06 0745	Date & Time:	Date & Time:

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Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested:	Page: 1 of 1	
ARI Client Company: ANCHOR	Phone:	Date: 9/30/06	Ice Present?
Client Contact:		No. of Coolers:	Cooler Temps:
Client Project Name:			
Client Project #:	Samplers:		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
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Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested	Notes/Comments
2 coolers	9/30/06					will begin on Monday to process

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Paul Schlenger	Printed Name: Sue Dunniway	Printed Name: Don Moran	Printed Name: Paul Schlenger
	Company: Anchor Env	Company: ARI	Company: ARI	Company: Anchor Env
	Date & Time: 9/30/06 1920	Date & Time: 09/30/06 1926	Date & Time: 10-02-06 0610	Date & Time: 10/2/06 0610

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

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ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: KBØ4

Client Name: Anchor Environmental

Parameter:

Client Project: Duwamish Diagonal Fish Sampling

SOP Number(s)

No Anomalies

List problems, corrective actions, and any other pertinent information:

Fish Composite Prep 10/26/06 J.F. G.H.

Cleaned Bench covers, covered Trays dull foil side up, Rinsed All Surgical Knives, scapels, scissors etc. Three Times DCM solvent. Washed All between samples with Alconox, Acid Rinse and Three Rinses DI H2O.

KBØ4A-TR003-SSP-C

	dry fish wt =	wet Comp. wt with Liquid
1 =	19.18 g.	1 = 305.41 g jar wt.
2 =	29.38 g.	2 =
3 =	8.48 g.	3 =
4 =	20.02 g.	4 =
5 =	11.78 g.	5 =
6 =	18.62 g.	6 =
7 =	16.88 g.	7 =
8 =	7.96 g.	8 =
9 =	10.28 g.	9 =
10 =	10.98 g.	10 =

Final wt = ~~475.7 g~~ 10/26 170.29 g

KBØ4B-TR001-SSP-C

	dry fish wt =	wet comp. wt with Liquid
1 =	8.12 g.	1 =
2 =	20.38 g.	2 =
3 =	26.24 g	3 =
4 =	14.12 g	4 =
5 =	5.98 g	5 =
6 =	22.14 g	6 =
7 =	10.42 g	7 =
8 =	5.50 g	8 =
9 =	15.00 g	9 =
10 =	19.50 g	10 =

Final wt = 151.64 g

Extraction Analyst: J.F. / J.H. / G.H. 10/26/06

Date Extracted:

See Reverse Side for Additional Information

3056F

Rev. 5 2/15/01

We do lose some scales + Liquid during process due to sticking on gloves and foil. J.F.

2 of 7

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: KB04

Client Name: Anchor Environmental

Parameter: _____

Client Project: Duwamish Diagnal Fish Sampling

SOP Number(s) _____ No Anomalies _____

Fish Comp. Prep 10/26/06 [illegible]

List problems, corrective actions, and any other pertinent information:

KB04 C-TR005-SSP-C

	Dry wt fish	Wet wt with Liquids
1=	6.26g	1=
2=	5.90g	2=
3=	12.88g	3=
4=	7.90g	4=
5=	21.50g	5=
6=	7.78g	6=
7=	17.62g	7=
8=	13.18g	8=
9=	10.04g	9=
10=	18.18g	10=

Final wt = 123.65g

KB04 d-TR015-SSP-C

d-

	Dry wt fish (6) Largest	Wet wt with Liquids
1=	3.50g	1-10
2=	3.68g	+ 6
3=	3.34g	
4=	3.24g	
5=	3.64g	
6=	2.84g	

Final wt = 96.10g

TR023-SSP-C1

1=	22.86g
2=	11.72g
3=	18.54g
4	18.56g

Extraction Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

3056F

Rev. 5
2/15/01

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: KB04

Client Name: Anchor Environmental

Parameter:

Client Project: Duwamish Diagonal Fish Sampling

☐ SOP Number(s) ☐ No Anomalies

List problems, corrective actions, and any other pertinent information:

KB04 E - TR009-SSP-C

	Dry wt	wet wt with Liquids
1=	15.24g	
2=	18.18g	
3=	15.18g	FINAL WT
4=	13.80g	=
5=	12.40g	175.43g
6=	15.10g	
7=	17.42g	
8=	14.40g	
9=	19.60g	
10=	22.54g	

KB04 F - TR011-SSP-C

	Dry wt	wet wt with Liquids
1=	19.38g	
2=	9.74g	
3=	15.18g	FINAL WT
4=	10.92g	= 157.05g
5=	14.30g	
6=	5.34g	
7=	22.32g	
8=	18.46g	
9=	13.00g	
10=	11.78g	

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: KB04 Client Name: ANCHOR ENV.

Parameter: _____ Client Project: DuwAmish Diagnal Fish Sampling

[ ] SOP Number(s) [ ] No Anomalies

List problems, corrective actions, and any other pertinent information:

KB04 6 = C-TR021-SSP-C dry wt wet wt with liquids

1 = 25.90 g
2 = 16.34 g
3 = 17.80 g
4 = 20.42 g
5 = 21.42 g
6 = 26.18 g
7 = 25.78 g
8 = 27.98 g
9 = 16.60 g
10 = 15.44 g

FINAL WT = 213.84 g

(Label says ES-3) dry wt wet wt with liquids

KB04 11-D - TR023-ES-5 54.40 g
T1-A - TR017-ES-3 16.66 g
T1-C - TR005-ES-4 122.96
T1-E - TR010-ES-5 123.68 g
T1-D - TR007-ES-1 80.32 g

FINAL WT = 513.19 g

** Blended cut up fish in WARING Blender. ON ENGLISH SOLE, BONES TOO BIG.
Cleaned Blender with ALCONOX, ACID BATH AND DI H2O RINSES between SAMPLE SETS. JF.

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

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ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: KBØ4 Client Name: ANCHOR ENV.

Parameter: _____ Client Projects: DUWAMISH - Original Fish Sampling

[ ] SOP Number(s) [ ] No Anomalies

List problems, corrective actions, and any other pertinent information:

KBØ4 I

	Dry wt	wet wt with Liquids
TI-F-TR012-ES-1	1 = 144.39g	FINAL wt.
TI-C-TR021-ES-16	2 = 167.44g =	560.02g
TI-C-TR020-ES-15	3 = 116.64g	
TI-C-TR019-ES-9	4 = 94.50g	
TI-C-TR019-ES-10	5 = 74.78g	

KBØ4 J

	Dry wt	wet wt with Liquids
TI-C-TR005-ES-1	1 = 120.98g	
TI-C TR005-ES-6	2 = 157.05g	FINAL wt
TI-E TR009-ES-2	3 = 120.16g	= 646.45g
TI-C TR005-ES-5	4 = 113.09g	
THAC TR003-ES-1 (pd. 10/26)	5 = 73.77g	

KBØ4 K

	Dry wt	wet wt with Liquids
TI-C-TR005-ES-2	1 = 210.54g	
TI-E-TR009-ES-3	2 = 151.34g	FINAL wt
TI-C-TR023-ES-4	3 = 81.32g	= 656.07g
TI-C-TR020-ES-13	4 = 88.24	
TI-C TR021-ES-17	5 = 78.01g	

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: KBØ4 Client Name: ANCHOR ENV.

Parameter: Client Project: DUWAMISH D.

SOP Number(s) No Anomalies

List problems, corrective actions, and any other pertinent information: Fish Composite Prep 11/27/06

KBØ4L TI-C TR019-ES-12 Dry wt Wet wt with Liquids.

TI-G TR019-ES-12 1 = 517.20g

TI-A TR017-ES-11 2 = 156.42g

TI-C TR019-ES-113 = 138.76g

TI-C TR020-ES-14 4 = 75.75gs

TI-F TR013-ES-25 77.83g

FINAL WT = 924.94g

Dry wt Wet wt with Liquids.

KBØ4M TI-C-TR005-ES-3 1 = 157.24g

TI-D TR015-ES-2 2 = 139.12g

TI-E TR009-ES-1 3 = 107.5eg

TI-B TR018-ES-1 4 = 82.14g

TI-C TR020-ES-7 5 = 80.74g

FINAL WT = 605.25g

Extraction

Analyst: Date Extracted:

See Reverse Side for Additional Information

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ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: KB04 Client Name: Anchor Env.

Parameter: _____ Client Project: Duwamish Diagnostic Fish Sampling

[ ] SOP Number(s) [ ] No Anomalies

Fish Prep

List problems, corrective actions, and any other pertinent information:

KB04

N-A-TR004-ES-2 1=50.48g Dry wt. 54.85g wet wt.

O-B-TR001-ES-2 2= 37.12g = 37.06g

P-B-TR001-ES-3 3= 28.99g = ~~44.63g~~ 26.11g GAM 10-27-06

Q-↓ ↓-ES-4 4= 26.18g = 24.40g

R-↓ ↓-ES-5 5= 32.03g = 31.91g

S-C-TR019-ES-8 6= 67.60g = 76.22g

T-d-TR023-ES-5 7= ~~338.26g~~ dry 338.20g = 335.40g

U-E-TR009-ES-4 8= 54.69g = 50.38g

V-F-TR011-ES-3 9= 55.62g = ~~62~~ 61.35g GAM 10-27-06

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information