APPENDIX H. ARI TISSUE PREPARATION NOTES

ANALYTICAL RESOURCES INCORPORATED

10/N

Sculpins
Bull Heads
Grind up!

Organic Extractions

chop & cut up. AND GRIND.
Whole body Prep.

ARI Job No: _____ Client Name: Wayward Env.

10/11/05 gf.

Parameter: Sculpins Client Project: _____

Ready for Tissue-mixing.

_____ SOP Number(s) ☐ No Anomalies

Species PS

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

10 fish per Composite.

LDW-05-T1-C-PS-WB (Comp 1) Pre wt ea. fish

T1-C-	TR008-PS-3	= 23.46
	TR008-PS-4	= 25.39
	TR007-PS-9	= 31.87
	TR008-PS-2	= 49.13
	TR007-PS-10	= 53.90
	TR007-PS-8	= 52.91
	TR008-PS-1	= 53.93
	TR008-PS-5	= 73.07
	TR007-PS-7	= 131.91
	TR007-PS-6	= 172.62

TOTAL wt of fish = 621.43 g

1 32 oz jar.

LDW-05-T2-E-PS-WB-Comp 1

T2-E	TR050-PS-39	Pre wt ea. fish = 18.71
	TR052-PS-35	= 21.09
	TR051-PS-37	= 33.64
	TR051-PS-36	= 51.10
	TR049-PS-44	= 67.37
	TR050-PS-40	= 80.61
	TR048-PS-42	= 60.80
	TR048-PS-43	= 80.04
	TR050-PS-41	= 130.49
	TR051-PS-38	= 225.81

TOTAL wt = 704.23

1 32 oz jar.

ALL Utinsils washed in Alconox, Acid bath, Three Times DI H2O, Rinsed Also with DCM.

ALL Chopped up & cut into small pieces.

Extraction Six sheets of foil on trays, dull side up! FOR GRINDER.

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

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cont. →

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Chop & cut up whole body Prep.

ARI Job No: _____ Client Name: WINWARD ENV. 10/11/05 J.F.

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

Species PS

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

LDW-05-T3-F-PS-WB-Comp 1

TR043-PS-24	Pre wt =	14.72
-PS-25	=	17.52
-PS-29	=	16.12
-PS-27	=	23.21
-PS-26	=	22.49
-PS-23	=	27.06
-PS-28	=	39.42
-PS-32	=	55.90
TR044-PS-34	=	58.18
TR043-PS-30	=	68.57

Total wt = 284.87

1 3209 jar.

LDW-05-T4-C-PS-WB-Comp 1

T4-C-TR023-PS-18	Pre wt =	16.46
-PS-20	=	13.75
-PS-21	=	20.85
-PS-22	=	28.38
-PS-19	=	24.20
TR061-PS-45	=	24.87
TR023-PS-16	=	34.61
TR024-PS-14	=	51.68
TR023-PS-15	=	60.20
PS-17	=	104.45

Total wt = 331.82 g

Ready for Grinder - put back in freezer. 10/11/05 J.F.
Pulled out again 10/12/05 to grind, put back 10/12/05

Extraction Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

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ANALYTICAL
RESOURCES
INCORPORATED

NOTES - Organic Extractions

Crabs

CRAB Prep.

ARI Job N

Blended gf. 10/10/05

Client Name: WINWARD ENV.

Parame

Client Project:

SOP Number(s)

No Anomalies

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

10/6/05 gf. 10/7/05 T.H./T.A.

Separated ALL fish & crab with Matt from Winward into Composite BAGS. Checked off Winward list, put ALL in freezer not being done Today 10/6/05 gf.

ALL spatulas Rinsed with DCM. new foil - dull side up between samples. PRE Wt. of Crab and FINAL wts. Recorded.

ALL Crab was blended in WARING blender. 10/10/05 gf. put BACK in 16 oz jars AND put in freezer until EXTRACTION AND Tissuemizing. Blender WASHED in ALCONOX, ACID BATH AND THREE TIMES in DI H_2O. Rinsed with ACE AND DCM between each blending.

10/10/05 gf.

Blended 10/10/05 gf.

PCB in house std List of 7

% Lipids

T.S.

Blended

10/10/05 gf.

Extraction

Analyst:

See Reverse Side for Additional

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ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES - Organic Extractions

Crab

ARI Job No: _____ Client Name: Windward Env.

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

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

Composite ID# LDW-05-T4-M-DC-EM-Comp. 1
LDW-05-T4-M-DC-HP-Comp 1

Specimin ID: LDW-05-T4-A-TR063-DC-15
Initial wt.: 222.18g.
Hepatopancreas wt.: 21.26g. / Edible meat wt.: 56.26g

Specimen ID: LDW-05-T4-A-TR063-DC-12
Initial wt.: 180.00g.
Hepatopancreas wt.: 24.82g. / Edible meat wt.: 43.08g

Specimen ID: LDW-05-T4-A-TR063-DC-13
Initial wt.: 189.44g.
Hepatopancreas wt.: 24.88g. / Edible meat wt.: 40.54g

Specimen ID: LDW-05-T4-A-TR063-DC-16
Initial wt.: 270.02g.
Hepatopancreas wt.: 34.16g. / Edible meat wt.: 64.12g

Specimen I.D: LDW-05-T4-A-TR063-DC-14
Initial wt.: 309.10g.
Hepatopancreas wt.: 37.82g. / Edible meat wt.: 74.00g.

(Crabs) Prep time: 1 hour
Prepared By: TA / TH 10/26/05

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Crab Prep.

ARI Job No: _____ Client Name: Windward Env.

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

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

LDW-05-T2-B-CT002-SC-12 prep by ML
Initial weight: 169.58g.
Hepato Pancreas: 21.76g. tared
Edible Meat: 51.10g -3.02 foil weight = 48.08g EM
LDW-05-T2-E-CT003-SC-14 prep by JF
Initial weight: 164.16g
Hepato Pancreas: 27.80g tared
Edible Meat: 42.18
LDW-05-T2-E-CT003-SC-16 prep by TA
Initial weight: 158.90g
Hepatopancreas: 19.72g
Edible Meat: 35.45g
LDW-05-T2-B-CT002-SC-13 prep by MCM
initial weight: 222.86g
hepatopancreas: foil 2.28 (31.90 = total hepato + foil) = 29.62g hepato weight
Edible Meat: foil = 2.84 63.92 pancreas wt. 61.08g.
LDW-05-T2-E-CT003-SC-15 Prep by MGC
initial weight: 231.86
hepatopancreas: foil = 1.72 total = 34.82, 33.1g = hepato weight
Edible meat: 58.42g - 2.26g foil = 56.16g Edible meat
LDW-05-T2-E-CT004-SC-18 prepared by JF
initial weight: 126.68 tot. - 2.76 foil = 123.92g Crab initial wt
hepato wt. 19.00g - 2.76g foil = 16.24g = hepatopancreas wt.
LDW-05-T2-B-CT-0001-SC-09
initial wt. 182.40g. Hepato Pancreas wt: 24.24g.

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES - Organic Extractions

Crab Prep

ARI Job No: _____ Client Name: Windward Environmental

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

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

Prep by JF
LDW-05-T2-E-CT004-SC-18 29.44g.
foil wt. 3.02g initial weight: not recorded Hepato pancreas wt.: ~~32.46g~~

Prep by TA
LDW-05-T2-B-CT001-SC-10
intitial wt.: 191.90g. Hepato pancreas wt. 29.94g.

Prep by JF
LDW-05-T2-E-CT003-SC-17
~~Initial wt: 215.76g. Hepato Pancreas wt:~~
Foil wt: 2.44g. Initial wt. 213.32g.
36g - 2.44g = 33.56g hepatopancreas weight

Extraction
Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

ANALYTICAL
RESOURCES
INCORPORATED

ANALYST NOTES - Organic Extractions

Crab PREP.

ARI Job No: _____ Client Name: Windward ENV.

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

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

Composite ID# LDW-05-T1-M-DC-EM-Comp 1
LDW-05-T1-M-DC-HP-Comp 1

Specimen ID: LDW-05-T1-B-TR016-DC-08
Initial Weight: 347.62g.
Hepatopancreas wt: 46.92g. / Edible meat wt.: 119.64g.

Specimen ID: LDW-05-T1-A-TR015-DC-09
Initial Weight: 397.76g.
Hepatopancreas wt.: 45.36g / Edible meat wt: 103.51g.

Specimen ID: LDW-05-T1-C-TR007-DC-03
Initial Weight: 167.42g.
Hepatopancreas wt.: 21.02g. / Edible meat wt: 44.94g.

Specimen ID: LDW-05-T1-E-TR010-DC-02
Initial Weight: 161.66g.
Hepatopancreas wt.: 12.46g. / Edible meat wt: 43.90g.

Specimen ID: LDW-05-T1-C-TR008-DC-01
Initial Weight: 549.16g.
Hepatopancreas wt.: 39.06g. / Edible meat wt: 179.86g.

5 CRABS
~~5~~ 4 (TA crab)

Prep. Time: 4hrs.
Prepared By: TA 10/7/05

Extraction Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Crab PREP

ARI Job No: _____ Client Name: Windward Env.

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

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

Composite ID# LDW-05-T3-M-DC-EM-Comp 1
LDW-05-T3-M-DC-HP-Comp 1

Specimen ID: LDW-05-T3-F-CT008-DC-11
Initial Weight: 197.24g.
Hepatopancreas wt.: 29.84g. / Edible meat wt.: 37.04g

Specimen ID: LDW-05-T3-F-CT017-DC-10 (Pregnant Crab) (EGGS)
Initial Wt.: 366.02g.
Hepatopancreas wt: 32.16g. / Edible meat wt.: 80.42g

Specimen ID: LDW-05-T3-E-TR030-DC-07
Initial Wt.: 697.45g.
Hepatopancreas wt.: 86.74g. / Edible meat wt.: 224.34g

Specimen ID: LDW-05-T3-E-TR030-DC-05
Initial Wt: 180.50g.
Hepatopancreas: 23.88g. / Edible meat wt.: 43.34g

Specimen ID: LDW-05-T3-E-TR030-DC-06
Initial Wt.: 108.04g.
Hepatopancreas wt: 12.00g. / Edible meat wt: 22.72g.

(5 crabs) Prep. Time: 1 hour 20 min.
Prepared By: TH / TA

Extraction
Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

1 of 3

Perch

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions Cut up, chopped for Tissue-mizing

Prep of Perch Spinners

ARI Job No: _____ Client Name: WINDWARD ENV.

per MATT LUXON. 10/12/05

Parameter: _____ Client Project: _____

** Ready for Tissue-mizing

[ ] SOP Number(s) [ ] No Anomalies

T1

SPECIES-SS **List problems, corrective actions, and any other pertinent information:** 10/12/05 P.F. + T.A. + L.M.

Assorted Composite bags rec'd, checked off. Washed ALL Knifes, Tweezers, Scissors with Alconox Bath, Acid Bath, Three Times DI H_2O. Rinse with DCM solvent before Cutting. Six layers of foil, dull side up on cutting Trays. Clean/new sheets between EA. Comp. set.

LDW-05-T1-A-SS-WB Comp 1

TR013-SS-134	Pre Wt =	11.72
TR015-SS-131	=	11.22
TR013-SS-137	=	11.26
TR015-SS-132	=	12.22
TR013-SS-133	=	14.64
↓ 136	=	21.58
TR015-SS-130	=	21.62
↓ 129	=	21.12
TR013-SS-135	=	44.96
↓ TR015-SS-128	=	33.84

TOTAL WT. = 202.45g

LDW-05-T1-B-SS-WB-Comp 1

T1-B-TR019-SS-123	Pre Wt =	11.30g.
TR006-SS-31	=	12.48g.
TR018-SS-127	=	13.30g.
TR019-SS-120	=	15.44g.
TR019-SS-122	=	15.68g.
TR006-SS-32	=	18.58g.
↓ 33	=	15.58g.
TR018-SS-124	=	20.68g.
TR019-SS-121	=	23.70g.
TR018-SS-126	=	21.72g.

TOTAL WT = 160.86g

Extraction ALL Put BACK IN FREEZER 2 10/12/05

Analyst: _____ Date Extracted: _____

PREP TIME 1 1/2 hrs.

See Reverse Side for Additional Information

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Some waste of blood, scales on foil. Scraped up the best we could.

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cont. →

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Cut up, chopped Prep of Perch spinners w/ LAKE ENV.

ARI Job No: _____ Client Name: _____

Parameter: _____ Client Project: _____

T1

[ ] SOP Number(s) [ ] No Anomalies

SPECIES SS

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

LDW-05-T1-C-SS-WB Comp 1

TR001-SS-25	PRE WT =	12.36
-22	=	13.20
-21	=	12.68
-23	=	14.64
-29	=	18.40
-26	=	16.88
-24	=	21.46
-28	=	20.16
-27	=	23.44
-30	=	25.40

TOTAL WT = 171.17g

LDW-05-T1-D-SS-WB Comp 1

TR001-SS-42	PRE WT. =	5.84g.
-SS-40	=	12.74g.
-SS-39	=	12.32g.
-SS-38	=	12.66g.
-SS-43	=	13.86g.
TR002-SS-36	=	14.10g.
-SS-35	=	17.74g.
TR001-SS-37	=	16.38g.
-SS-41	=	18.68g.
TR002-SS-34	=	31.72g.

TOTAL WT = 152.88g

Extraction Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

cont →

3 of 3

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Cut up, Chopped PREP of Torch 5 Runners W/ Inward ENV.

ARI Job No: _____ Client Name: _____

Parameter: _____ Client Project: _____

TI _____ SOP Number(s) ☐ No Anomalies

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

LDW-05-TI-E-SS-WB-Comp 1

TR009-SS-	2	PRE WT =	12.66g.
TR010-SS-	10	=	14.78g.
	9	=	12.90g.
	1	=	18.12g.
	4	=	21.26g
	3	=	17.66g.
	8	=	30.22g.
	6	=	27.64g.
	7	=	28.82g.
	5	=	28.34g.

Total Wt = 202.03g

LDW-05-TI-F-SS-WB-comp1

TR011-SS-	14	PRE WT =	6.40g.
	16	=	6.72g.
	20	=	12.48g.
	17	=	11.84g.
	12	=	19.92g.
	11	=	14.86g.
	19	=	20.26g.
	18	=	24.60g.
	15	=	22.60g.
	13	=	34.56g.

Total Wt = 169.29g

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

1 of 3

Perch

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Cut up, chopped for Tissue-mizing PREP of Perch spinners.

ARI Job No: _____ Client Name: Winward Env.

Parameter: _____ Client Project: _____

* * Ready for Tissue-mizing 10/12/05 gf. T.A. L.M.

_____ SOP Number(s) ☐ No Anomalies

T2

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

LDW-05-T2-A-SS-WB-Comp1

		Total Wt = 180.66g
178	PRE WT = 13.14g.	
181	= 13.98g.	
179	= 18.96g.	
187	= 19.80g.	
180	= 17.28g.	
183	= 22.18g.	
185	= 16.70g.	
184	= 19.06g.	
182	= 23.40g.	
186	= 23.30g.	32 ozjar

LDW-05-T2-B-SS-WB-Comp1

		Total Wt = 171.86g
204	PRE WT = 12.90	
207	= 12.90	
202	= 14.16	
201	= 14.46	
206	= 16.02	
198	= 21.34	
203	= 21.38	
205	= 20.26	
199	= 19.80	
200	= 26.24	32 oz jar.

Took out of freezer again 10/13/05

Put back in freezer 10/13/05 when done. gf.

Prep Time - 1½ hrs.

Some loss of blood, scales on foil, scraped up the best we could.

Extraction Analyst: _____ Date Extracted: _____

Cont. →

See Reverse Side for Additional Information

2 of 3

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Cut up, chopped for Tissue-mixing prep of Perch SPINNERS

ARI Job No: _____ Client Name: WINWARD ENV.

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

T2

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

LDW-05-T2-C-SS-WB-Comp1

TR056-SS219	PRE wt =	12.34
TR057-SS220	=	12.20
SS-223	=	12.48
SS-224	=	15.56
SS-226	=	12.88
SS-227	=	21.78
SS-225	=	24.16
SS-222	=	23.40
SS-221	=	26.66
TR056 SS-218	=	29.92

LDW-05-T2-C-SS-WB-Comp1 Pre wt.

TR058-SS-236	=	15.46g.
235	=	18.60g.
233	=	19.42g.
237	=	19.58g.
228	=	21.54g.
229	=	20.50g.
231	=	16.04g.
230	=	20.12g.
232	=	26.20g.
234	=	23.72g.

J.F.
T.A.
L.M.

TOTAL WT = 185.19g

1 32 oz jar

TOTAL WT = 190.77g

1 32 oz jar.

Extraction Analyst: _____ Date Extracted: _____

Cont. →

See Reverse Side for Additional Information

3 of 3

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

cut up, chopped for Tissue-mizing
PREP OF PERCH SPINNERS.

ARI Job No: _____ Client Name: WINWARD ENV.

Parameter: _____ Client Project: _____

Ready for Tissue-mizing.

SOP Number(s) ☐ No Anomalies

T2

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

LDW-05-T2-E-SS-WB-Comp1

T2-E-TR048-SS 2x3

212	PRE wt = 11.606g.	TOTAL WT = 144.94 g
209	= 13.70g.	
216	= 14.34g.	
214	= 14.04g.	
215	= 12.24g.	
208	= 14.00g.	
211	= 18.12g.	
210	= 15.94g.	
217	= 17.82g.	
	= 17.46g.	1 32 oz jar.

LDW-05-T2-F-SS-WB-Comp1

TR053-SS-

194	PRE wt = 10.94	TOTAL WT = 186.97 g
197	= 11.29	
193	= 13.04	
188	= 16.25	
191	= 18.44	
192	= 21.79	
195	= 21.92	
196	= 23.22	
190	= 25.64	
189	= 26.41	1 32 oz jar.

put back in freezer. 10/13/05

Extraction Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

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Fish II

ANALYTICAL RESOURCES INCORPORATED

- Organic Extractions

Whole Body Fish Prep.

ARI Job No: _____ Client Name: Windward ENV. 10/11/05 9F. T.H. T.A. B.B.

Parameter: _____ Client Project: _____

* Ready To Tissue-mize.

Prep no. (3)

[ ] SOP Number(s) [ ] No Anomalies

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

Assorted Composite Bags and prepared fish for Tissue-mizing. Rinsed ALL knifes, scissors, Grinder 10/11/05 9F. with ACE and DCM. All knifes and utinsils washed in Alconox Bath, Acid Bath and DI H^{20} three times. Rinsed with DCM between each composite set. Six sheets of foil (dull side up.

LDW-05-TI-M-ES-WB- (Comp 1)

LDW-05-TI-D-TR003-ES-16	PRE WT =	140.54	FINAL Body WT = 535.85
TI-C-TR008-ES-1	=	117.86	
TI-B-TR006-ES-13	=	126.26	
TI-F-TR011-ES-9	=	110.48	
TI-C-TR007-ES-8	=	77.00	

LDW-05-TI-M-ES-WB (Comp 2)

LDW-05-TI-D-TR003-ES-15	PRE WT =	279.38g.	FINAL WT = 10/11 9F. 439.44 618.44g.
TI-E TR009-ES-4	=	88.56g.	
TI-E TR009-ES-3	=	145.82g.	
TI-B-TR006-ES-11	=	89.14g.	
TI-B-TR016-ES-23	=	74.40g.	

LDW-05-TI-M-ES-WB (Comp 3)

LDW-05 TI-B-TR006-ES-10	PRE WT =	366.82	FINAL WT = 737.44
TI-B-TR019-ES-21	=	178.72	
TI-A-TR013-ES-27	=	82.28	
TI-A-TR013-ES-26	=	91.96	
TI-A-TR013-ES-30	=	91.84	

Ready for ALL cut up and Ground up for Tissue-mizing. 10/11/05 cont. →

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

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ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: _____ Client Name: Whole Body Fish Prep WIN WARD ENV. 10/11/05 J.F. T.H.

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

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

LDW-05-T2-M-ES-(WB-Comp 1)
LDW-05-T2-A-TR054-ES-56 pre wt = 1416.59g. TOTAL wt = 2 jars 1,099.59
-58 = 150.90g.
-70 = 163.50g.
-59 = 165.59g.
T2-d TR058-ES-89 = 545.15g. 32 oz jars.

LDW-05-T2-M-ES (WB-Comp 2)
LDW-05-T2-A-TR054-ES-61 pre wt = 118.10 TOTAL wt 2 jars 879.73
~~53~~
71 = 166.70
60 = 140.84
81 = 171.62
= 330.28 32 oz jars.

LDW-05-T2-M-ES (WB-Comp 3)
LDW-05-T2-A TR054-ES-67 pre wt = 89.58g. TOTAL wt. = 794.18
62 = 109.13g.
66 = 157.25g.
T2-d TR058-87 = 165.55g.
T2-A TR054-84 = 347.77g.

LDW-05-T3-M-ES (WB-Comp 1)
LDW-05 T3-d-TR032-ES-54 Pre wt = 104.42g. TOTAL wt. = 2 jars 983.47
T3-A-TR059-ES-93 = 145.20g.
T3-E-TR030-ES-18 = 131.32g.
T3-F-TR043-ES-36 = 226.44g.
T3-A-TR059-ES96 = 399.88g. 32 oz jars.

(cont.) →

Extraction Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: _____ Client Name: Whole Body Fish Prep Wwwaked ENV. 10/11/05 9.f. T.H.

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

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

LDW-05-T3-M-ES (WB-Comp 2) Grinder machine got "hot" cut off Tails. Pre wt = 87.40 TOTAL wt = 737.68
LDW-05-T3-d-TR042-ES-44 = 124.70
T3-A-TR059-ES-92 = 204.86
T3-F-TR045-ES-51 = 210.18
T3-C-TR041-ES-48 = 309.86
T3-E-TR047-ES-33

LDW-05-T3-M-ES (WB-Comp 3)
LDW-05-T3-F-TR043-ES-35 Pre wt = 77.20g TOTAL wt = 810.24
T3-d TR042-ES-38 = 165.58g
T3-d TR042-ES-41 = 151.24g
T3-F TR045-ES-49 = 250.92g
T3-F TR029-ES-19 = 291.10g 2 jars 32 oz.

LDW-05-T4-M-ES-(WB Comp 1)
LDW-05-T4-B-TR084-ES-106 Pre wt = 335.36 TOTAL wt = 1,614.59
T4-B-TR090-ES-111 = 309.46
T4-B-TR094-ES-108 = 252.66
T4-B-TR070-ES-99 = 297.38
T4-A-TR083-ES-104 = 562.50 3 jars 32 oz.

LDW-05-T4-M-ES-(WB-Comp 2)
LDW-05-T4-A-TR083-ES-102 Pre wt = 68.90g TOTAL wt = 895.73
T4-A-TR093-ES-113 = 102.44g
T4-B-TR082-ES-109 = 148.12g
T4-A-TR083-ES-103 = 321.02g
T4-B-TR074-ES-100 = 414.98g 2 jars 32 oz. jars.

ALL cut up AND Ground up FOR Tissue-mizing put BACK IN Freezer FOR EXT. 10/11/05

Extraction Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

1 of 3

PERCH.

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Cut up, chopped for Tissue-mixing PREP of PERCH SPINNERS.

ARI Job No: _____ Client Name: Windward ENV.

Parameter: _____ Client Project: _____

** Ready FOR Tissue-Mixing.

[ ] SOP Number(s) [ ] No Anomalies

T3

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

LDW-05-T3-A-SS-WP Compl

TR034-SS-156	PRE WT. = 6.70g	Total Wt = 165.33 g
157	= 6.60g	
152	= 12.86g	
154	= 12.00g	
148	= 12.52g	
153	= 17.04g	
155	= 16.85g	
149	= 21.46g	
150	= 23.96g	
151	= 40.58g	1 16 oz jar.

LDW-05-T3-B-SS-WB Compl

TR020-SS-143	PRE WT. = 12.08g.	Total Wt = 146.68 g
139	= 12.22g.	
142	= 11.76g.	
144	= 11.98g.	
146	= 11.84g.	
138	= 13.60g.	
147	= 17.70g.	
141	= 17.14g.	
145	= 20.98g.	
140	= 22.92g.	1 16 oz jar.

Took out of freezer 10/13/05, put BACK when done. 12/13/05 AF.

PREP TIME = 1 1/2 hrs. Some Waste on foil, scales, Blood scraped up best we could.

cont →

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

2 of 3

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: _____ Client Name: WINWARD ENV.

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

T3

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

LDW-05-T3-C-SS-WB-Comp1

TR033-SS-	172	PRE WT = 12.02g.
	168	= 12.66g.
	170	= 13.68g.
	167	= 15.18g.
	163	= 20.16g.
	171	= 17.24g.
	166	= 20.48g.
	164	= 19.90g
	165	= 19.62g.
	169	= 32.24g.

Total wt = 181.74 g

1 16/32 oz jar.

LDW-05-~~A~~-T3-C-SS-WB Comp1

TR031-SS-	177	PRE WT = 6.70g.
	174	= 13.66g.
	175	= 12.90g.
TR032-SS-	162	= 14.50g.
	158	= 15.08g
	160	= 15.68g.
TR031-SS-	173	= 16.22g.
	176	= 17.56g.
TR032-SS-	159	= 18.92g.
	161	= 27.40g.

Total wt = 155.57

1 32 oz jar.

Extraction

Analyst: _____ Date Extracted: _____

Cont. →

See Reverse Side for Additional Information

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ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

ARI Job No: _____ Client Name: Windward ENV.

Parameter: _____ Client Project: _____

_____ SOP Number(s) ☐ No Anomalies

T3

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

LDW-05-T3-E-SS-WB-Comp 1

TR030-SS-49.	PRE WT = 5.82g.	TOTAL WT = 188.52
44.	= 11.56g.	
45.	= 16.86g.	
46.	= 17.48g.	
48.	= 18.08g.	
53.	= 20.16g.	
47.	= 22.38g.	
50.	= 26.40g.	
52.	= 26.72g.	
51.	= 24.80g.	① 16/32 oz jar

LDW-05-T3-F-SS-WB Comp1

TR028-SS-65	PRE WT = 11.51g	TOTAL WT = 160.41g
TR029-SS-60	= 11.66g	
TR028-SS-73	= 13.42g	
TR029-SS-55	= 13.07g	
TR029-SS-62	= 15.78g	
TR029-SS-56	= 15.86g	
TR028 SS-64	= 18.15g	
SS-69	= 21.05g	
SS-68	= 21.43g	
SS-72	= 24.48g	1 16/32 oz jar.

Put BACK in freezer 10/13/05 g.f.

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

1 of 3

need WB-carcass = GRINDING

Blending fillets.

ANALYTICAL RESOURCES INCORPORATED

S - Organic Extractions

CARCASS fillet / ~~whole body~~ Prep: J.F. 10/10

ARI Job No: _____ Client Name: WINWARD ENV.

Parameter: _____ Client Project: _____

S.L. M.D. T.A. J.F.

SOP Number(s) ☐ No Anomalies

List problems, corrective actions, and any other pertinent information: 10/10/05

Prep for fillets, cleaned RAZORS, KNIFES, blades with DCM rinse between EVERY sample. Cut fillets on to deep dull side up foil. New foil between ea. fillet. Put fillets in 16 oz jars and remainder of CARCASS in 32 oz jars. Put all in freezer prior to Blending and grinding of fish. Washed knifes ALCONOX, ACID BIN, AND 3 TIMES DI H2O RINSE & DCM RINSE.

~~Ldw~~ - 05 - TI - M - ES - FL - Comp 1	PRE WT =	full wt - fillets 916.72 g
ldw - 05 - TI - F - TR012 - ES - 7	= 498.82	
ldw - 05 - TI - C - TR008 - ES - 2	= 251.56	
TR009 - ES - 5	= 269.64	
TR013 - ES - 32	= 151.38	wt - CARCASS: ~~916.72~~ 752.66 g.
TR013 - ES - 28	= 89.80	
	for 1/2	
~~Ldw~~ 05 TI - M - ES - FL - Comp 2		full wt fillets 678.74
TI - B - TR019 - ES - 20	PRE WT = 151.90	
TI - B TR018 - ES - 22	= 150.70	
TI - A TR015 ES - 25	= 125.86	
TI - A TR013 ES - 29	= 95.76	
TI - E TR010 - ES - 6	= 73.72	CARCASS
ldw - 05 - TI - M - ES - FL - Comp 3	= 193.00 TH 10/9	= 861.29
TI - A - TR013 - ES - 31	PRE WT = ~~130.00~~	
TI - d - TR001 - ES - 17	= 133.80	full wt fillets 532.16
TI - B TR006 - ES - 12	= Missed g.f.	
TI - A TR015 - ES - 24	= 92.04	CARCASS
TI - B TR006 - ES - 14	= 77.08	= 913.50 g.

Extraction Analyst: J.F., T.H. Date ~~Extracted~~ Prep: 10/10/05

Prep Time 8 hrs

See Reverse Side for Additional Information

Pulled from freezer 10/13/05 to GRIND put back in 10/13/05.

1 of 3

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Fillet/CARCASS Prep

ARI Job No: _____ Client Name: Winward ENV.

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

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

LDW-05-T2-M-ES-Fl-Comp 1 — Pre wt =
T2-A-TR054-ES-72 = 101.32
T2-A TR054-ES-57 = 149.48
ES-68 = 148.70
ES-79 = 325.54
ES-83 = 335.68

Full Fillet wt = 148.46
CARCASS = 141.41

LDW-05-T2-M-ES-Fl-Comp 2
T2-A-TR054-ES-74 — Pre wt = 141.22
73 = 107.82
69 = 189.64
T2-L TR058-ES 86 = 185.84
T2-L 88 = 509.32g

2 hrs. 5 comps.

Fillet wt = 817.75g
CARCASS wt. = 924.81 + 696.23 for 1+2

LDW-05-T2-M-ES-FL Comp 3
T2-A-TR054-ES-75 — Pre wt =
80 = another Green sheet
64 = Pre wt
65 = done by
82 = Winward.

Fillet wt =
CARCASS wt =

LDW-05-T3-M-ES-FL-Comp 1
T3-D-TR042-ES- 43 — Pre wt = 90.16
T3-E TR046- 34 = 155.34
T3-D TR042- 39 = 185.63
T3-F TR043- 37 = 291.41
T3-A TR059- 97 = 396.26

Fillet wt = 937.42
CARCASS = 1110.60

Extraction Analyst: J.F. T.H. Date ~~Extracted~~ Prep: 10/10/05

See Reverse Side for Additional Information

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ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Fillet/CARCASS Prep

ARI Job No: _____ Client Name: Winward

Parameter: _____ Client Project: _____

[ ] SOP Number(s) [ ] No Anomalies

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

LDW-05-T3-M-ES-Fl-Comp2 Pre wt =
T3-d-TR032-ES-53 = 97.92
TR042-ES-42 = 121.02
TR042-ES-40 = 204.42
T3-f TR045-ES-50 = 136.34
T3-A TR059-ES-94 = 180.76

Fillet wt = 744.41
CARCASS = 940.31

LDW-05-T3-M-ES-Fl-Comp3
T3-C-TR041-ES-45 Pre wt = 103.70
T3-C-TR041-ES-46 = 109.35
T3-A-TR059-ES-95 = 216.40
T3A-TR034-ES-52 = 196.11
T3C-TR041-ES-47 = 342.70

Fillet wt = 849.78
CARCASS wt = 1044.33

LDW-05-T4-M-ES-Fl-Comp1 Pre wt =
T4-B-TR086-ES-101 = 202.18
T4-A-TR085-ES-107 = 228.24
T4 B-TR084-ES-105 = 364.24
T4-A-TR087-ES-110 = 581.70
T4 A TR067-ES-98 = 432.75

Fillet wt = 1100.48
CARCASS wt = 2 jars.
Pt I = 957.26
Pt II = 942.80

MD/SL 10/10/05

ALL fillets and Remainders put back in freezer until Logged, and ext. for Tissue-mixing and Blending.
J.C. 10/10/05

10/10/05

Extraction Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

ANALYTICAL RESOURCES INCORPORATED

fillets - Head - Blending

TES - Organic Extractions

English sole fillet & Remainder Sample Prep

ARI Job No: ____ Client Name: Windward

Parameter: ____ Client Project: ____

Windward Trained 10/6/05

SOP Number(s) ☐ No Anomalies

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

Composite ID: LDW-05-T2-M-ES-FL-Comp3

LDW-05-T2-A-TR054-ES-82 by MF
initial weight = 594.07 grams (tared)
fillet wt. = 227.40 g (tared)
remainder wt. = Not taken per MF. mum 10/06/05

LDW-05-T2-A-TR054-ES-65 by JF
initial wt = 336 g = FOIL 314.44g = 311.08 g initial
fillet wt. = 70.69 g (tared)
remainder wt. = NA mum 10/06/05

LDW-05-T2-A-TR054-ES-80 by TA
initial wt. = 153.04g
fillet wt. = 35.75g.
remainder wt. = NA mum 10/06/05

LDW-05-T2-A-TR054-ES-75
initial wt = 112.904 g (tared)
fillet wt. = 35.91 g (tared)
remainder wt. = NA mum 10/06/05

LDW-05-T2-A-TR054-ES-64
initial wt. = 143.193 g
fillet wt. = 64.224
remainder wt. = NA mum 10/04/05

Blended Fillets 10/13/05 started ~~11:3~~ MD 10/13 16:30 ended at 18:45 10/13. Blended fillets went into freezer. Rinse Blanks went into fridge. MD 10/13/05

Extraction
Analyst: ____ Date Extracted: ____

See Reverse Side for Additional Information

1 of 2

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Cut up, chopped for Tissue-m. Prep of perch spinners

ARI Job No: _____ Client Name: Windward ENV.

Parameter: _____ Client Project: _____

T4 Ready for Tissue-mizing

SOP Number(s) [ ] No Anomalies

J.F. T.A. L.M.

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

LDW-05-T4-A-SS-WB-Comp 1

		PRE wt.	
TR021-SS-101		= 12.42g.	Total wt = 169.82g
	99	= 10.52g.	
	103	= 11.74g.	
	106	= 11.62g.	
	105	= 15.74g.	
	107	= 13.88g.	
	104	= 18.38g.	
	100	= 18.01g	
	102	= 23.46g.	
	108	= 40.62g.	

LDW-05-T4-B-SS-WB-Comp 1

		PRE wt =	
TR022-SS-	114	11.38g.	Total wt = 188.22g.
	117	= 11.66g.	
	113	= 12.42g	
	118	= 12.18g.	
	116	= 14.28g.	
	111	= 18.42g.	
	112	= 18.02g.	
	115	= 19.14g.	
	110	= 36.68g.	
	109	= 40.16g.	

Took out of F2 - 10/13/05

Prep TIME 1 hr. Returned To F-2 - 10/13/05

Extraction

Cont. →

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information

2 of 2

ANALYTICAL RESOURCES INCORPORATED

ANALYST NOTES - Organic Extractions

Cut up, Chopped for Tissue-Mizing Prep of Perch Spinners.

ARI Job No: _____ Client Name: WINWARD ENV.

Parameter: _____ Client Project: _____

Tissue-Mizing

T4 _____ SOP Number(s) ☐ No Anomalies

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

LDW-05-T4-C-SS-WB-Comp1

TR024 SS-	89	PRE WT = 12.04g.	TOTAL WT = 211.64g.
	90	= 12.46g.	
	91	= 21.22g.	
	96	= 18.88g.	
	98	= 21.10g.	
	97	= 18.06g.	
	92	= 16.46g.	
	94	= 22.50g.	
	95	= 35.20g.	
	93	= 38.56g.	

LDW-05-T4-C-SS-WB-Comp1

TR025-SS-	88	PRE WT = 5.20g.	TOTAL WT = 167.04g.
↓	-87	= 13.68g.	
TR026-	-82	= 13.92g.	
TR025-	-84	= 14.28g.	
TR026-	-80	= 18.56g.	
	-78	= 18.12g.	
	-79	= 18.12g.	
	-81	= 21.30g.	
	-83	= 22.14g.	
	-74	= 24.70g.	

Extraction

Analyst: _____ Date Extracted: _____

See Reverse Side for Additional Information