
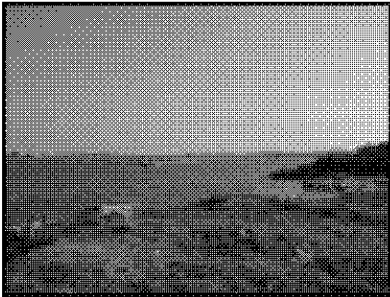


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Division of Science, Research & Technology



DRAFT DATA

2004 Routine Monitoring Program for Toxics in Fish: Year 2 - Estuarine and Marine Waters

I. INTRODUCTION

Fish and shellfish consumption advisories due to toxic chemical contamination were first announced in New Jersey in the 1980s. Data from Division of Science, Research and Technology (DSRT) studies revealed that unacceptable risks existed for eating certain species of fish and shellfish from some waters in the State. These advisories particularly apply to pregnant women, nursing mothers and young children because polychlorinated biphenyls (PCBs), dioxin and mercury have been shown to cause a number of serious health effects including effects on the immune system, nervous system, developmental problems, and/or cancer. Current advisories are listed on NJDEP's Website (www.FishSmartEatSmartNJ.org).

New data are needed on a recurring basis to evaluate and adjust advisories as appropriate. Without regular monitoring data, current advisories could be either under or overly protective of human health.

A statewide "Routine Monitoring Program for Toxics in Fish" has been developed by NJDEP/DSRT. The project reported here is Year 2 of the five-year monitoring effort, with most samples collected in 2004. The principal investigator of this project is Dr. Richard Horwitz of the Academy of Natural Sciences, Philadelphia (ANSP). He and his staff have conducted various research projects on chemical contamination of fish in the region. Dr. Horwitz is highly respected in this area of research and the ANSP is considered one of the regions best independent scientific organizations. A final report with additional detail on the results will be available on the NJDEP/DSRT web site in the near future.

Data tables are in Adobe Acrobat format. If you do not have Adobe Acrobat, please follow this link.

[Task I - Data](#)
(2.16mb - 95 pages)

[Task II - Data](#)
(2.59mb - 98 pages)

II. OBJECTIVES

The primary goal of the Routine Monitoring Program is to update the human health consumption advisories for certain foodfish species and/or geographic areas. However, NJDEP recognizes the additional potential usages of these data for such important collateral activities as natural resources management, hazardous site characterization, water quality assessment, natural resource damage claims, and Total Maximum Daily Load (TMDL) development. Where possible, the Routine Monitoring Program has been designed in such a way as to meet the Department's data quality objectives and to maximize benefits for each individual program. The results of this monitoring effort will expand upon the existing contaminant database used to develop fish consumption advisories and identify chemical contaminant levels in Atlantic marine and estuarine species from several waterways throughout the coastal portions of the state.

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III. METHODS

The scope of work for this project is presented in two tasks. Task I details the baseline status and trends sampling for the coastal region of the State. Task II presents more targeted sampling within the tidal Passaic River and Newark Bay Complex for dioxin/furan analysis to support the Passaic River Directive and the Passaic River/Newark Bay Natural Resource Damage Claim. The latter sampling includes dioxin analyses of samples, more species per site, and additional down bay sampling of the Lower Passaic-Hackensack Rivers, Newark Bay, Raritan Bays, and Sandy Hook Bay.

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Task I. Routine Monitoring: Estuarine & Marine Species

The data presented in Task I are for species of estuarine-marine fish/shellfish (striped bass, bluefish, white perch, white catfish, American eel, blue crab and lobster) that are under current consumption advisories on a statewide, regional and/or waterway-specific basis for PCB and/or dioxin contamination. In addition, several other species of recreational or commercial importance were collected. These included weakfish, porgy and Atlantic croaker. Sampling includes alongshore-coastal areas, Delaware Bay and Estuary and Barnegat Bay. Unless specified, all coastal estuarine and marine species were analyzed for PCBs, pesticides and total mercury, as well as lipids. A limited number of samples were also analyzed for PBDEs (flame retardants). All fish species were analyzed as individual fillets (skin off) and all blue crab were analyzed for both muscle meat and hepatopancreas tissues.

Task II. Tidal Passaic River and Downstream Receiving Waters (NRD)

In recognition of the continuing public health advisories associated with dioxin contamination in foodfish and shellfish within the tidal Passaic River and Newark Bay Complex, a separate yet interrelated study was carried out involving the collection of fish/shellfish samples. These locations were sampled differentially for four species; white perch, striped bass, blue crab and American lobster within their preferred ecological zones or habitats. Species and sample location were designed to address multiple program data needs including fish consumption advisories, water quality assessment, contaminated site assessment, natural resource damage claims, TMDLs and resource management concerns.

All fish species were analyzed as individual fillets (skin off) and all blue crab and American lobster composite samples were analyzed for both muscle meat and hepatopancreas tissues. Each tissue (i.e., fillet, muscle, hepatopancreas) were analyzed for dioxins/furans, PCBs (congener and co-planar), organo-chlorinated pesticides, mercury and lipids.

Draft Data

These data should be considered draft and are subject to change until final quality assurance procedures are complete.

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Last Modified: March 23, 2006

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04- RRCRT1	NJT04- RRCRT1	NJT04- RRCRT1
First fish analytical number	F-1467a	F-1468a	F-1469a	F-1470a	F-1471a	F-1472a
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP
Location	Western Raritan Bay	Western Raritan Bay	Western Raritan Bay	Raritan River @Rt 35 Victory Bridge	Raritan River @Rt 35 Victory Bridge	Raritan River @Rt 35 Victory Bridge
Average total length	13.50	15.24	15.38	15.04	13.98	14.52
Client Sample ID	3361 M	3362 M	3363 M	3364 M	3365 M	3366 M
Organism	Crab	Crab	Crab	Crab	Crab	Crab
Tissue	Muscle	Muscle	Muscle	Muscle	Muscle	Muscle
GERG ID	C45200	C45202	C45204	C45206	C45208	C45210
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	EC165	EC165	EC165	EC165	EC165	EC165
Dry Weight	2.95	2.89	2.89	3.54	3.34	3.01
Wet Weight	14.24	14.36	14.45	14.46	14.39	13.57
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	20.7	20.1	20.0	24.5	23.2	22.2
% Lipid	1.9	0.9	0.4	0.6	1.2	0.7
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1471	T1471	T1471	T1471	T1471	T1471
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	12/1/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004
Extraction Date	2/16/2005	2/16/2005	2/16/2005	2/16/2005	2/16/2005	2/16/2005
Analysis Date	3/1/2005	3/1/2005	3/1/2005	3/1/2005	3/1/2005	3/1/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	83.2	82.8	80.3	71.3	78.9	83.9
PCB103*	84.6	84.1	82.3	74.0	81.0	85.2
PCB198	84.2	83.1	82.2	72.4	80.0	84.1
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	42.61	32.15	18.87	12.58	25.35	18.50
Total PCBs (NOAA Status & Trends)	38.91	32.08	18.09	12.27	24.21	18.22
Total DDX	20.56	15.76	8.75	4.52	8.30	5.26
Serial Number	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-	NJT04-	NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number Species		F-1467a CASAP	F-1468a CASAP	F-1469a CASAP	RRCRT1 F-1470a CASAP Raritan River @Rt 35 Victory Bridge	RRCRT1 F-1471a CASAP Raritan River @Rt 35 Victory Bridge	RRCRT1 F-1472a CASAP Raritan River @Rt 35 Victory Bridge						
Location		Western Raritan Bay	Western Raritan Bay	Western Raritan Bay									
Average total length		13.50	15.24	15.38	15.04	13.98	14.52						
Total all chlordane-related compounds		3.92	2.76	1.57	1.06	2.36	1.70						
Total Hg (ug/g wet wt; ANSP)		0.10	0.12	0.11	0.07	0.09	0.10						
Pesticides (ng/g wet wt)	MDLs	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL		
Chlorinated Benzenes													
Tetrachlorobenzene 1,2,4,5	0.04	0.25		0.35		0.33		0.53		0.06		0.04	
Tetrachlorobenzene 1,2,3,4	0.04	0.39		0.67		0.56		0.18		0.25		0.16	
Pentachlorobenzene	0.04	0.11		0.10		0.03		0.03	J	0.06		0.06	
Hexachlorobenzene	0.02	0.19		0.12		0.07		0.17		0.08		0.06	
Hexachlorocyclohexanes													
Alpha HCH	0.01	0.04		0.04		0.05		0.06		0.07		0.06	
Beta HCH	0.02		ND	0.02		0.02			ND	0.03		ND	
Gamma HCH	0.01		ND	0.02			ND		ND	0.00	J	ND	
Delta HCH	0.01		ND		ND		ND		ND		ND	ND	
Chlordane-related Compounds													
Heptachlor	0.01	0.02		0.02			ND		ND	0.01	J	0.00	J
Heptachlor Epoxide	0.02	0.25		0.14		0.09		0.06		0.11		0.09	
Oxychlordane	0.02	1.45		1.40		0.77		0.47		0.80		0.72	
Alpha Chlordane	0.02	0.27		0.15		0.10		0.08		0.26		0.13	
Gamma Chlordane	0.02	0.05			ND		ND		ND	0.05		0.02	J
Cis-Nonachlor	0.02	0.36		0.33		0.20		0.14		0.39		0.23	
Trans-Nonachlor	0.03	1.31		0.70		0.42		0.31		0.76		0.51	
Other Cyclodiene Pesticides													
Aldrin	0.02	0.15		0.02		0.05			ND	0.13		0.05	
Dieldrin	0.05	0.89		0.79		0.43		0.24		0.75		0.37	
Endrin	0.04		ND		ND		ND		ND		ND	ND	
Pesticides		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	0.06	B	0.05	B	0.06	B	0.09	B	0.08	B	0.04	B
Chlorpyrifos	0.05		ND		ND		ND		ND		ND		ND
Mirex	0.01	0.06		0.05		0.02			ND	0.04		0.02	
Endosulfan II	0.02		ND		ND		ND		ND	0.01	J	0.00	J
DDTs and Related Compounds													

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-WRBCRT1	NJT04-WRBCRTI	NJT04-WRBCRTI	NJT04-RRCRT1	NJT04-RRCRT1	NJT04-RRCRT1				
First fish analytical number		F-1467a	F-1468a	F-1469a	F-1470a	F-1471a	F-1472a				
Species		CASAP	CASAP	CASAP	CASAP	CASAP	CASAP				
Location		Western Raritan Bay	Western Raritan Bay	Western Raritan Bay	Raritan River @Rt 35 Victory Bridge	Raritan River @Rt 35 Victory Bridge	Raritan River @Rt 35 Victory Bridge				
Average total length		13.50	15.24	15.38	15.04	13.98	14.52				
2,4' DDE	0.02	0.02	0.01	0.01	0.00	J	0.01	J	0.01	J	
4,4' DDE	0.06	11.16	8.72	4.82	2.12		4.31		2.56		
2,4' DDD	0.07	0.16	0.12	0.08	0.05		0.10		0.08		
4,4' DDD	0.01	8.86	6.66	3.66	2.25		3.74		2.49		
2,4' DDT	0.00	0.26	0.18	0.09	0.07		0.11		0.08		
4,4' DDT	0.01	0.10	0.06	0.01	0.02		0.03		0.03		
Individual PCBs (ng/g wet wt)		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02		ND	0.12		0.04		0.03		0.19	
PCB7/9*	0.02	0.03		0.01		0.01	J		ND	0.02	
PCB8/5	0.02	0.11		0.11		0.05		0.07		0.15	
PCB30*	0.02	0.08			ND		ND		ND		ND
PCB18/17	0.02		ND		ND		ND		ND		ND
PCB15*	0.02	0.03		0.03		0.02			ND		ND
PCB24/27*	0.02		ND		ND		ND		ND		ND
PCB16/32*	0.02	0.01	J		ND		ND	0.03			ND
PCB29	0.02		ND		ND		ND		ND		ND
PCB26*	0.02	0.03			ND		ND		ND		ND
PCB25*	0.02	0.06		0.05		0.01	J	0.02		0.03	
PCB31*	0.02	0.02		0.01	J	0.01	J	0.01		0.05	
PCB28	0.02	1.70		1.91		0.93		0.86		1.50	
PCB33/20*	0.02		ND		ND		ND		ND		ND
PCB53*	0.02		ND		ND		ND		ND		ND
PCB22/51*	0.02		ND		ND		ND		ND		ND
PCB45*	0.02		ND		ND		ND		ND		ND
PCB46 *	0.02		ND		ND		ND		ND		ND
PCB39*	0.02		ND		ND		ND		ND		ND
PCB69*	0.02	0.03		0.07		0.06			ND	0.05	
PCB52	0.02	0.07		0.06		0.05			ND	0.18	
PCB49*	0.02	0.07		0.02		0.02		0.03		0.14	
PCB47/75*	0.02	2.20		1.51		0.83		0.47		0.99	
PCB48*	0.02	0.20		0.09		0.10		0.06		0.09	
PCB44	0.02	0.26		0.24		0.23		0.22		0.24	
PCB42/59/37*	0.02	0.16		0.10		0.07			ND	0.11	
PCB72*	0.02	1.01		0.06			ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-RRCRT1	NJT04-RRCRT1	NJT04-RRCRT1
First fish analytical number		F-1467a	F-1468a	F-1469a	F-1470a	F-1471a	F-1472a
Species		CASAP	CASAP	CASAP	CASAP	CASAP	CASAP
Location		Western Raritan Bay	Western Raritan Bay	Western Raritan Bay	Raritan River @Rt 35 Victory Bridge	Raritan River @Rt 35 Victory Bridge	Raritan River @Rt 35 Victory Bridge
Average total length		13.50	15.24	15.38	15.04	13.98	14.52
PCB41/64*	0.02		ND	ND	ND	0.17	0.06
PCB40*	0.02		ND	ND	ND	ND	ND
PCB67*	0.02	0.13	0.09	0.04	0.03	0.06	0.04
PCB63*	0.02		ND	ND	ND	ND	ND
PCB74/61*	0.02	2.11	1.83	0.99	0.55	1.08	0.82
PCB70*	0.02	0.25	0.16	0.08	0.07	0.23	0.11
PCB66	0.02	2.01	1.99	1.00	0.63	1.22	0.91
PCB95/80*	0.02	0.22	0.22	0.18	0.14	0.23	0.16
PCB55/91*	0.02	0.33	0.21	0.14	0.10	0.35	0.19
PCB56/60*	0.02	0.61	0.68	0.22	0.24	0.43	0.29
PCB92*	0.02	0.71	0.34	0.19	0.13	0.40	0.21
PCB84*	0.02	0.13	0.10	0.04	0.00	0.06	0.05
PCB101/90	0.02	0.25	0.12	0.09	0.06	0.42	0.16
PCB99*	0.02	3.25	2.17	1.26	0.71	1.51	1.24
PCB119*	0.02	0.35	0.22	0.12	0.07	0.17	0.13
PCB83*	0.02	3.83	2.27	1.50	1.00	1.81	1.12
PCB97*	0.02		ND	ND	ND	0.09	0.03
PCB87/115	0.02	0.22	0.15	0.10	0.08	0.12	0.10
PCB85*	0.02	0.21	0.15	0.14	0.08	0.14	0.11
PCB136*	0.02	0.20	0.20	0.16	0.09	0.08	0.07
PCB110/77	0.02	0.25	0.20	0.13	0.08	0.34	0.13
PCB82*	0.02	0.16	0.10	0.05	0.02	0.05	0.02
PCB151*	0.02		ND	ND	ND	0.05	ND
PCB135*	0.02	0.21	0.14	0.08	0.03	0.17	0.06
PCB107*	0.02	0.24	0.17	0.07	0.02	0.08	0.07
PCB149/123*	0.02	0.50	0.40	0.26	0.25	0.44	0.31
PCB118	0.02	3.76	3.06	1.78	0.94	2.07	1.60
PCB114*	0.02		ND	ND	ND	ND	ND
PCB146*	0.02	0.68	0.46	0.24	0.11	0.34	0.28
PCB153/132	0.02	4.25	3.00	1.74	0.98	2.28	1.72
PCB105	0.03	0.76	0.79	0.45	0.34	0.55	0.44
PCB141/179*	0.02	0.07	0.04	0.03		0.08	0.02
PCB130*	0.02	0.19	0.15	0.07	0.04	0.08	0.07
PCB176/137*	0.02	0.02		0.01	J	0.03	0.01
PCB138/160	0.02	2.31	1.65	0.91	0.63	1.22	0.95
PCB158*	0.02	0.53	0.39	0.21	0.12	0.25	0.19
PCB129*	0.02	0.08	0.06	0.05		0.05	ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-WRBCRT1		NJT04-WRBCRTI		NJT04-WRBCRT1		NJT04-RRCRT1		NJT04-RRCRT1		NJT04-RRCRT1	
First fish analytical number		F-1467a		F-1468a		F-1469a		F-1470a		F-1471a		F-1472a	
Species		CASAP		CASAP		CASAP		CASAP		CASAP		CASAP	
Location		Western Raritan Bay		Western Raritan Bay		Western Raritan Bay		Raritan River @Rt 35 Victory Bridge		Raritan River @Rt 35 Victory Bridge		Raritan River @Rt 35 Victory Bridge	
Average total length		13.50		15.24		15.38		15.04		13.98		14.52	
PCB178*	0.02	0.24	B	0.18	B	0.12	B	0.06	B	0.18	B	0.14	B
PCB166*	0.02		ND		ND		ND		ND	0.01	J	0.01	J
PCB175*	0.02	0.09		0.07		0.05		0.04		0.05		0.05	
PCB187	0.02	0.81		0.61		0.32		0.20		0.45		0.37	
PCB183 *	0.02	0.32		0.23		0.13		0.14		0.15		0.12	
PCB128	0.01	0.42		0.27		0.12		0.12		0.08		0.05	
PCB167*	* 0.02	0.39		0.33		0.23		0.29		0.29		0.26	
PCB185 *	0.02		ND		ND		ND		ND		ND		ND
PCB174*	0.02		ND		ND		ND		ND	0.01	J		ND
PCB177*	0.02	0.07		0.03		0.02		0.02		0.07		0.04	
PCB171/202*	0.02	0.34	B	0.26	B	0.21	B	0.15	B	0.24	B	0.22	B
PCB156*	* 0.02	0.56	B	0.50	B	0.37	B	0.25	B	0.39	B	0.35	B
PCB201/157/173*	0.01	0.25		0.21		0.17		0.15		0.19		0.18	
PCB172*	0.01	0.12		0.15		0.11		0.07		0.12		0.10	
PCB197*	0.02		ND		ND		ND		ND		ND		ND
PCB180	0.01	1.71		1.31		0.64		0.43		0.93		0.73	
PCB193*	0.02	0.06		0.05			ND		ND	0.04		0.03	
PCB191*	0.02		ND		ND		ND		ND		ND		ND
PCB200*	0.02	0.05		0.03			ND		ND	0.02		0.01	J
PCB170/190	0.02	0.28		0.22		0.11		0.09		0.15		0.11	
PCB199*	0.02	0.27		0.23		0.16		0.11		0.18		0.18	
PCB203/196*	0.02	0.17		0.14		0.07		0.06		0.09		0.07	
PCB189*	* 0.02	0.45	B	0.14	B	0.13	B	0.12	B	0.15	B	0.14	B
PCB195/208	0.01	0.24		0.21		0.18		0.16		0.19		0.19	
PCB207*	0.02	0.04		0.03		0.04			ND	0.03		0.02	
PCB194*	0.02	0.09		0.07		0.04		0.03		0.05		0.04	
PCB205 **	0.02	0.21	B	0.20	B	0.19	B	0.18	B	0.19	B	0.19	B
PCB206	0.01	0.23	B	0.21	B	0.19	B	0.17	B	0.23	B	0.19	B
PCB209	0.01	0.30	B	0.28	B	0.25	B	0.24	B	0.25	B	0.27	B
WHO PCBs		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Planar PCBs													
PCB 77 (CL4)		0.10		0.13		0.07		0.05			ND	0.09	
PCB 81 (CL4)		0.00		0.01		0.00		0.00			ND		ND
PCB 126 (CL5)		0.01		0.01		0.01			ND	0.01			ND
PCB 169 (CL6)			ND		ND		ND		ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-RRCRT1	NJT04-RRCRT1	NJT04-RRCRT1
First fish analytical number	F-1467a	F-1468a	F-1469a	F-1470a	F-1471a	F-1472a
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP
Location	Western Raritan Bay	Western Raritan Bay	Western Raritan Bay	Raritan River @Rt 35 Victory Bridge	Raritan River @Rt 35 Victory Bridge	Raritan River @Rt 35 Victory Bridge
Average total length	13.50	15.24	15.38	15.04	13.98	14.52
Mono-Ortho PCBs-						
<i>(Planar PCBs; ng/g wet wt)</i>						
PCB 105 (CL5)	0.70	0.70	0.40	0.27	0.58	0.35
PCB 114 (CL5)	0.08	0.06	0.04	ND	ND	ND
PCB 118 (CL5)	3.59	3.17	1.18	0.90	1.80	3.08
PCB 123 (CL5)	0.09	0.05	0.02	0.01	0.02	0.28
PCB 156 (CL6)	0.27	0.23	0.11	0.07	0.14	0.10
PCB 157 (CL6)	0.05	0.05	0.02	ND	0.04	ND
PCB 167 (CL6)	0.18	0.14	0.06	0.05	0.05	ND
PCB 189 (CL7)	0.02	0.01	0.01	ND	ND	ND
PCDD/PCDF Compounds (pg/g wet wt)						
	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
2,3,7,8-TCDF	4.9	3.1	ND	0.9	1.0	ND
1,2,3,7,8-PeCDF	7.4	1.1	L	ND	1.8	L
2,3,4,7,8-PeCDF	4.5	2.5	L	3.4	L	ND
1,2,3,4,7,8-HxCDF	ND	3.1	L	ND	ND	1.4
1,2,3,6,7,8-HxCDF	8.6	1.8	L	ND	ND	1.7
2,3,4,6,7,8-HxCDF	11.7	ND	4.3	0.9	L	ND
1,2,3,7,8,9-HxCDF	2.8	L	ND	ND	ND	0.6
1,2,3,4,6,7,8-HpCDF	6.9	3.2	L	5.3	L	1.4
1,2,3,4,7,8,9-HpCDF	4.6	1.4	L	3.7	L	0.4
OCDF	ND	4.9	L	ND	6.4	L
2,3,7,8-TCDD	ND	ND	ND	ND	ND	ND
1,2,3,7,8-PeCDD	3.2	L	ND	4.1	L	1.2
1,2,3,4,7,8-HxCDD	3.6	2.5	L	3.6	ND	0.8
1,2,3,6,7,8-HxCDD	5.0	2.5	L	ND	1.3	L
1,2,3,7,8,9-HxCDD	1.4	L	L	4.6	L	0.6
1,2,3,4,6,7,8-HpCDD	7.5	3.7	L	6.7	L	ND
OCDD	16.5	8.3	15.2	5.6	L	13.4

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04- ERBCRT1	NJT04- ERBCRT1	NJT04- ERBCRT1	NJT04- MLRBCRT1	NJT04-MLRBCRT1	NJT04-MLRBCRT1
First fish analytical number	F-1474a	F-1475a	F-1476a	F-1477A	F-1478A	F-1479A
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP
Location	Eastern Raritan Bay @ Keansburg	Eastern Raritan Bay @ Keansburg	Eastern Raritan Bay @ Keansburg	Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	Mid-lower Raritan Bay @ Raritan beach/Chapel Hill
Average total length	14.84	13.78	13.42	14.10	14.14	13.02
Client Sample ID	3367 M	3368 M	3369 M	3370 M	3371 M	3372 M
Organism	Crab	Crab	Crab	Crab	Crab	Crab
Tissue	Muscle	Muscle	Muscle	Muscle	Muscle	Muscle
GERG ID	C45212	C45214	C45216	C45218	C45220	C45222
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	EC165	EC165	EC165	EC165	EC165	EC165
Dry Weight	3.29	3.01	2.85	2.95	2.39	3.08
Wet Weight	14.93	14.93	14.80	14.78	14.46	14.58
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	22.1	20.2	19.2	20.0	16.5	21.2
% Lipid	0.5	0.4	0.9	0.7	0.7	0.4
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1471	T1471	T1471	T1471	T1471	T1471
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	12/1/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004
Extraction Date	2/16/2005	2/16/2005	2/16/2005	2/16/2005	2/16/2005	2/16/2005
Analysis Date	3/1/2005	3/1/2005	3/1/2005	3/1/2005	3/1/2005	3/2/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	78.6	78.5	78.9	79.3	82.5	79.5
PCB103*	81.4	80.8	80.2	80.3	81.5	80.7
PCB198	80.5	80.8	80.9	81.2	84.5	83.0
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	10.70	10.44	18.22	12.69	22.81	13.88
Total PCBs (NOAA Status & Trends)	10.37	9.89	18.09	10.71	24.84	14.02
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-MLRBCRT1	NJT04-MLRBCRT1

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number Species	ERBCRT1 F-1474a CASAP Eastern Raritan Bay @ Keansburg	ERBCRT1 F-1475g CASAP Eastern Raritan Bay @ Keansburg	ERBCRT1 F-1476a CASAP Eastern Raritan Bay @ Keansburg	MLRBCRT1 F-1477A CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	F-1478A CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	F-1479A CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill							
Location	14.84	13.78	13.42	14.10	14.14	13.02							
Average total length													
Total DDX	2.93	2.98	4.09	8.59	5.08	3.65							
Total all chlordanes-related compounds	0.92	0.70	1.60	1.31	1.45	0.74							
Total Hg (ug/g wet wt; ANSP)	0.08	0.06	0.07	0.09	0.07	0.08							
Pesticides (ng/g wet wt)	MDELS	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Chlorinated Benzenes													
Tetrachlorobenzene 1,2,4,5	0.03	ND	0.07	ND	0.00	0.17	ND						ND
Tetrachlorobenzene 1,2,3,4	0.04	0.10	0.08	0.15	0.12	0.19						0.28	
Pentachlorobenzene	0.04	0.02	J	0.04	0.02	J	0.02	J	0.02	J	0.02	J	J
Hexachlorobenzene	0.02	0.08	0.03	0.07	0.05	0.06	0.03					0.03	
Hexachlorocyclohexanes													
Alpha HCH	0.01	0.06	0.07	0.06	0.06	0.06	0.07					0.07	
Beta HCH	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gamma HCH	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta HCH	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane-related Compounds													
Heptachlor	0.01	ND	0.00	J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.02	0.05	0.04	0.09	0.07	0.09	0.05					0.05	
Oxychlordane	0.03	0.33	0.25	0.60	0.51	0.73	0.28					0.28	
Alpha Chlordane	0.02	0.08	0.07	0.12	0.08	0.07	0.05					0.05	
Gamma Chlordane	0.02	0.02	0.01	J	0.01	J	0.01	J	0.01	J	0.01	J	J
Cis-Nonachlor	0.02	0.15	0.11	0.29	0.20	0.21	0.12					0.12	
Trans-Nonachlor	0.03	0.29	0.22	0.47	0.45	0.35	0.23					0.23	
Other Cyclodiene Pesticides													
Aldrin	0.02	0.03	0.04	0.04	0.04	ND	0.03	ND	ND	ND	ND	0.03	
Dieldrin	0.05	0.26	0.23	0.48	0.27	0.35	0.20					0.20	
Endrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	0.01	B	0.03	B	0.03	B	0.07	B	0.03	B	0.06	B
Chlorpyrifos	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	0.01	0.02	J	0.01	J	0.02	ND	0.04	ND	0.04	ND	ND	ND
Endosulfan II	0.02	0.00	J	0.00	J	ND	ND	ND	ND	ND	ND	ND	ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04- ERBCRT1		NJT04- ERBCRT1		NJT04- ERBCRT1		NJT04- MLRBCRT1		NJT04-MLRBCRT1		NJT04-MLRBCRT1	
First fish analytical number		F-1474a		F-1475a		F-1476a		F-1477A		F-1478A		F-1479A	
Species		CASAP Eastern Raritan Bay @ Keansburg		CASAP Eastern Raritan Bay @ Keansburg		CASAP Eastern Raritan Bay @ Keansburg		CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill		CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill		CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	
Location													
Average total length		14.84		13.78		13.42		14.10		14.14		13.02	
DDTs and Related Compounds													
2,4' DDE	0.02	0.01	J	0.00	J	0.00	J	0.01	J	0.01	J	0.00	J
4,4' DDE	0.06	1.53		1.50		2.16		5.21		2.64		2.01	
2,4' DDD	0.07	0.06		0.06		0.07		0.10		0.10		0.06	
4,4' DDD	0.01	1.26	B	1.37	B	1.76	B	3.12		2.27		1.51	B
2,4' DDT	0.00	0.06		0.05		0.10		0.14		0.05		0.06	
4,4' DDT	0.01	0.00	J	0.00	J		ND	0.02		0.01		0.00	J
Individual PCBs (ng/g wet wt)													
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02	0.09		0.09		0.09		0.02		0.02		0.09	
PCB7/9*	0.02	0.01	J		ND		ND		ND	0.01	J		ND
PCB8/5	0.02	0.13		0.08		0.17		0.08		0.19		0.10	
PCB30*	0.02		ND		ND		ND		ND		ND		ND
PCB18/17	0.02		ND		ND		ND		ND		ND		ND
PCB15*	0.02		ND		ND		ND		ND		ND		ND
PCB24/27*	0.02		ND		ND		ND		ND		ND		ND
PCB16/32*	0.02		ND		ND		ND		ND		ND		ND
PCB29	0.02		ND		ND		ND		ND		ND		ND
PCB26*	0.02		ND		ND		ND		ND		ND		ND
PCB25*	0.02		ND	0.01		0.02		0.02		0.03		0.01	J
PCB31*	0.02	0.02		0.01	J	0.01	J	0.01	J	0.01		0.02	
PCB28	0.02	0.43		0.46		0.90		0.61		1.10		0.48	
PCB33/20*	0.02		ND		ND		ND		ND		ND		ND
PCB53*	0.02		ND		ND		ND		ND		ND		ND
PCB22/51*	0.02		ND		ND		ND		ND		ND		ND
PCB45*	0.02		ND		ND		ND		ND		ND		ND
PCB46 *	0.02		ND		ND		ND		ND		ND		ND
PCB39*	0.02	0.02			ND		ND		ND		ND		ND
PCB69*	0.02		ND	0.02			ND		ND		ND		ND
PCB52	0.02	0.06		0.03		0.03		0.01	J	0.01	J	0.02	
PCB49*	0.02	0.03		0.02		0.02		0.02		0.03		0.02	
PCB47/75*	0.02	0.43		0.41		0.82		0.58		0.93		0.51	
PCB48*	0.02	0.04		0.02		0.07		0.06		0.06		0.04	
PCB44	0.02	0.21		0.19		0.27		0.26		0.22		0.24	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04- ERBCRT1		NJT04- ERBCRT1		NJT04- ERBCRT1		NJT04- MLRBCRT1		NJT04-MLRBCRT1		NJT04-MLRBCRT1
First fish analytical number		F-1474a		F-1475a		F-1476a		F-1477A		F-1478A		F-1479A
Species		CASAP Eastern Raritan Bay @ Keansburg		CASAP Eastern Raritan Bay @ Keansburg		CASAP Eastern Raritan Bay @ Keansburg		CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill		CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill		CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill
Location												
Average total length		14.84		13.78		13.42		14.10		14.14		13.02
PCB42/59/37*	0.02	0.02		ND		0.05		ND		ND		ND
PCB72*	0.02		ND	ND		ND		ND		ND		ND
PCB41/64*	0.02	0.04		ND		ND		ND		ND		ND
PCB40*	0.02		ND	ND		ND		ND		ND		ND
PCB67*	0.02		ND	ND		0.12		0.04		0.04		ND
PCB63*	0.02		ND	ND		ND		ND		ND		ND
PCB74/61*	0.02	0.38		0.41		0.93		0.61		1.24		0.46
PCB70*	0.02	0.05		0.02		0.07		0.05		0.10		0.02
PCB66	0.02	0.37		0.41		1.03		0.62		1.26		0.50
PCB95/80*	0.02	0.14		0.11		0.17		0.14		0.17		0.09
PCB55/91*	0.02	0.10		0.07		0.17		0.10		0.11		0.08
PCB56/60*	0.02		ND	0.11		0.26		0.16		0.25		0.09
PCB92*	0.02	0.13		0.11		0.18		0.19		0.12		0.13
PCB84*	0.02	0.04		0.02		0.03		0.03		0.03		0.04
PCB101/90	0.02	0.12		0.04		0.07		0.07		0.07		0.04
PCB99*	0.02	0.65		0.65		1.27		1.01		1.50		0.89
PCB119*	0.02	0.07		0.06		0.14		0.10		0.15		0.08
PCB83*	0.02	0.63		0.68		0.97		1.16		1.36		0.78
PCB97*	0.02	0.02		ND		ND		ND		ND		ND
PCB87/115	0.03	0.09		0.08		0.10		0.09		0.11		0.08
PCB85*	0.02	0.09		0.08		0.11		0.09		0.14		0.12
PCB136*	0.02	0.06		0.07		0.08		0.18		0.13		0.08
PCB110/77	0.02	0.09		0.07		0.10		0.10		0.13		0.06
PCB82*	0.02	0.02		0.02		0.02		0.08		0.03		0.02
PCB151*	0.02		ND	ND		ND		ND		ND		ND
PCB135*	0.02	0.03		0.03		0.04		0.03		ND		0.06
PCB107*	0.02	0.03		0.03		0.07		0.05		0.04		0.03
PCB149/123*	0.02	0.23		0.23		0.32		0.26		0.32		0.24
PCB118	* 0.02	0.89	B	0.85	B	1.83		1.35	B	2.31		1.07
PCB114*	* 0.02		ND	ND		ND		ND		ND		ND
PCB146*	0.02	0.14		0.14		0.26		0.25		0.26		0.17
PCB153/132	0.05	0.96		0.95		1.83		ND		2.88		1.30
PCB105	* 0.01	0.24		0.23		0.46				0.65		0.28
PCB141/179*	0.02	0.03		0.02		0.03		0.02		0.02		J
PCB130*	0.02	0.03		0.03		0.08		0.05		0.12		0.06
PCB176/137*	0.02	0.00	J	0.01	J	ND		ND		ND		ND
PCB138/160	0.03	0.56		0.54		0.82		0.93		1.15		1.38

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04- ERBCRT1		NJT04- ERBCRT1		NJT04- ERBCRT1		NJT04- MLRBCRT1		NJT04-MLRBCRT1		NJT04-MLRBCRT1	
First fish analytical number		F-1474a		F-1475a		F-1476a		F-1477A		F-1478A		F-1479A	
Species		CASAP Eastern Raritan Bay @ Keansburg		CASAP Eastern Raritan Bay @ Keansburg		CASAP Eastern Raritan Bay @ Keansburg		CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill		CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill		CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	
Location													
Average total length		14.84		13.78		13.42		14.10		14.14		13.02	
PCB158*	0.02	0.10		0.08		0.16		0.16		0.26		0.16	
PCB129*	0.02		ND		ND		ND		ND		ND	ND	
PCB178*	0.02	0.10	B	0.10	B	0.16	B	0.12	B	0.07	B	0.13	B
PCB166*	0.02	0.09	J	0.01	J	0.00	J	0.00	J	0.00	J	0.09	J
PCB175*	0.02	0.04		0.04		0.05		0.05		0.05		0.04	
PCB187	0.02	0.20		0.20		0.28		0.32		0.39		0.27	
PCB183 *	0.02	0.06		0.07		0.13		0.12		0.24		0.11	
PCB128	0.01	0.04		0.02		0.04		0.04		0.17		0.05	
PCB167*	*	0.02		0.20		0.31		0.34		0.34		0.26	
PCB185 *	0.02		ND		ND		ND		ND		ND	0.02	
PCB174*	0.02	0.00	J		ND		ND		ND	0.00	J	0.06	
PCB177*	0.02	0.02		0.02		0.01	J	0.01	J	0.01	J		ND
PCB171/202*	0.02	0.17	B	0.17	B	0.22	B	0.19	B	0.19	B	0.38	B
PCB156*	*	0.02	B	0.24	B	0.37	B	0.31	B	0.46	B	0.42	B
PCB201/157/173*	0.01	0.15		0.15		0.18		0.20		0.20		0.20	
PCB172*	0.01	0.07		0.08		0.10		0.09		0.08		0.05	
PCB197*	0.02		ND		ND		ND		ND		ND		ND
PCB180	0.01	0.33		0.32		0.56		0.55		1.10		0.56	
PCB193*	0.02	0.02		0.02		0.04		0.04		0.05			ND
PCB191*	0.02		ND		ND		ND		ND		ND		ND
PCB200*	0.02		ND		ND	0.02				0.03		0.03	
PCB170/190	0.02	0.11		0.07		0.13		0.11		0.24		0.08	
PCB199*	0.02	0.10		0.11		0.15		0.14		0.15		0.12	
PCB203/196*	0.02	0.03		0.04		0.07		0.07		0.15		0.05	
PCB189*	*	0.02	B	0.12	B	0.14	B	0.13	B	0.14	B	0.13	B
PCB195/208	0.01	0.16		0.16		0.19		0.20		0.20		0.17	
PCB207*	0.02	0.02		0.03		0.03		0.03		0.04		0.03	
PCB194*	0.02	0.02		0.02		0.04		0.04		0.08		0.03	
PCB205 *	0.02	0.17	B	0.17	B	0.19	B	0.18	B	0.20	B	0.17	B
PCB206	0.01	0.16	B	0.16	B	0.17	B	0.17	B	0.20	B	0.22	B
PCB209	0.01	0.23	B	0.23	B	0.25	B	0.24	B	0.29	B	0.26	B

WHO PCBs:

Planar PCBs

	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB 77 (CL4)		ND	0.04		ND		0.08		0.04		ND	
PCB 81 (CL4)		ND		ND		ND		ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-ERBCRT1	NJT04-ERBCRT1	NJT04-ERBCRT1	NJT04-MLRBCRT1	NJT04-MLRBCRT1	NJT04-MLRBCRT1
First fish analytical number	F-1474a	F-1475a	F-1476a	F-1477A	F-1478A	F-1479A
Species	CASAP Eastern Raritan Bay @ Keansburg	CASAP Eastern Raritan Bay @ Keansburg	CASAP Eastern Raritan Bay @ Keansburg	CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill
Location	Keansburg	Keansburg	Keansburg	Keansburg	Keansburg	Keansburg
Average total length	14.84	13.78	13.42	14.10	14.14	13.02
PCB 126 (CL5)	ND	0.00	ND	ND	ND	ND
PCB 169 (CL6)	ND	ND	ND	ND	ND	ND
Mono-Ortho PCBs- (Planar PCBs; ng/g wet wt)						
PCB 105 (CL5)	0.38	0.15	0.33	0.31	0.57	0.20
PCB 114 (CL5)	ND	0.01	0.04	0.02	ND	ND
PCB 118 (CL5)	0.52	0.65	0.17	0.94	2.87	0.77
PCB 123 (CL5)	ND	ND	0.01	ND	0.05	ND
PCB 156 (CL6)	0.03	0.07	0.10	ND	0.14	0.10
PCB 157 (CL6)	ND	0.01	0.00	ND	0.04	ND
PCB 167 (CL6)	0.01	0.06	0.07	ND	0.15	ND
PCB 189 (CL7)	ND	ND	ND	ND	0.02	ND
PCDD/PCDF Compounds (pg/g wet wt)						
2,3,7,8-TCDF	ND	ND	2.8	ND	ND	ND
1,2,3,7,8-PeCDF	1.7 L	1.3 L	1.3 L	ND	ND	ND
2,3,4,7,8-PeCDF	1.2 L	ND	ND	0.6 L	ND	ND
1,2,3,4,7,8-HxCDF	0.4 L	1.2 L	ND	0.2 L	ND	ND
1,2,3,6,7,8-HxCDF	ND	ND	1.3 L	ND	ND	ND
2,3,4,6,7,8-HxCDF	0.6 L	0.4 L	0.4 L	0.6 L	ND	ND
1,2,3,7,8,9-HxCDF	ND	ND	ND	0.1 L	ND	ND
1,2,3,4,6,7,8-HpCDF	1.5 L	ND	1.0 L	0.1 L	ND	ND
1,2,3,4,7,8,9-HpCDF	ND	ND	ND	0.4 L	ND	ND
OCDF	ND	2.6 L	ND	ND	ND	ND
2,3,7,8-TCDD	ND	1.5	0.6 L	ND	ND	ND
1,2,3,7,8-PeCDD	0.3 L	0.9 L	0.2 L	ND	ND	ND
1,2,3,4,7,8-HxCDD	ND	0.6 L	ND	0.1 L	ND	ND
1,2,3,6,7,8-HxCDD	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDD	ND	ND	ND	ND	ND	0.6 L
1,2,3,4,6,7,8-HpCDD	ND	ND	ND	0.2 L	ND	ND
OCDD	4.0 L	5.2 L	8.6 L	3.9 L	2.9 L	0.6 L

Summary of Chemical Contaminant Concentrations: Task II

Serial Number First fish analytical number Species	NJT04- LPCRT1 F-1480c CASAP	NJT04- LPCRT1 F-1481a CASAP	NJT04- LPCRT1 F-1482a CASAP	NJT04- LPCRT1 F-1483a CASAP	NJT04- LPCRT1 F-1484A CASAP	NJT04- NYBLP1 F-1511b HOAME
Location Average total length	Lower Passaic River @ Newark Bay 15.98	Lower Passaic River @ Newark Bay 15.28	Lower Passaic River @ Newark Bay 14.44	Lower Passaic River @ Newark Bay 13.06	Lower Passaic River @ Newark Bay 14.14	off shore NY Bight @ Mud Hole 8.70
Client Sample ID	3379 M	3380 M	3381 M	3382 M	3383 M	3460 M
Organism	Crab	Crab	Crab	Crab	Crab	Lobster
Tissue	Muscle	Muscle	Muscle	Muscle	Muscle	Muscle
GERG ID	C45224	C45226	C45228	C45230	C45232	C45463
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	EC165	EC165	EC165	EC165	EC165	F1186
Dry Weight	2.56	3.02	2.48	2.86	2.86	2.33
Wet Weight	14.47	14.72	14.81	14.55	14.69	14.69
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	17.7	20.5	16.7	19.7	19.5	15.9
% Lipid	1.1	0.8	0.7	1.7	1.3	1.7
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1471	T1471	T1471	T1471	T1471	T1471
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	12/1/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004	1/20/2004
Extraction Date	2/16/2005	2/16/2005	2/16/2005	2/16/2005	2/16/2005	2/16/2005
Analysis Date	3/2/2005	3/2/2005	3/2/2005	3/2/2005	3/2/2005	3/2/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	83.0	81.4	78.8	81.2	76.6	83.2
PCB103*	85.2	83.5	80.8	82.6	80.6	85.0
PCB198	84.9	83.6	84.0	85.0	80.1	84.5
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	97.25	68.59	73.17	48.73	63.83	4.15
Total PCBs (NOAA Status & Trends)	100.17	65.48	69.07	46.83	64.73	4.74
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number Species		LPCRT1 F-1480c CASAP Lower Passaic River @ Newark Bay	LPCRT1 F-1481a CASAP Lower Passaic River @ Newark Bay	LPCRT1 F-1482a CASAP Lower Passaic River @ Newark Bay	LPCRT1 F-1483a CASAP Lower Passaic River @ Newark Bay	LPCRT1 F-1484A CASAP Lower Passaic River @ Newark Bay	NYBLP1 F-1511b HOAME off shore NY Bight @ Mud Hole						
Location													
Average total length		15.98	15.28	14.44	13.06	14.14	8.70						
Total DDX		22.94	16.89	18.12	14.49	17.95	0.51						
Total all chlordanes-related compounds		10.49	7.35	8.60	4.71	5.37	0.14						
Total Hg (ug/g wet wt, ANSP)		0.21	0.20	0.17	0.15	0.18	0.08						
Pesticides (ng/g wet wt)	MEELS	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL		
Chlorinated Benzenes													
Tetrachlorobenzene 1,2,4,5	0.03	1.25		1.67		0.68		1.79		2.95		0.20	
Tetrachlorobenzene 1,2,3,4	0.04	2.73		3.21		1.78		3.12		3.08		0.13	
Pentachlorobenzene	0.04	0.50		0.54		0.28		0.45		0.46		0.06	
Hexachlorobenzene	0.02	0.60		0.61		0.41		0.49		0.47		0.04	
Hexachlorocyclohexanes													
Alpha HCH	0.01	0.07		0.05		0.05		0.06		0.05		0.09	
Beta HCH	0.02	0.13		0.03		0.03		0.03		0.02		ND	
Gamma HCH	0.01	0.01		0.01		0.01		0.01		0.01		ND	
Delta HCH	0.01		ND		ND		ND		ND		ND	ND	
Chlordane-related Compounds													
Heptachlor	0.01	0.05		0.05		0.50	ND	0.05		0.06		ND	
Heptachlor Epoxide	0.02	0.51		0.38		0.50		0.22		0.26		0.02	
Oxychlordane	0.03	5.12		2.71		3.71		2.00		2.62		0.08	
Alpha Chlordane	0.02	0.37		0.62		0.45		0.36		0.22		0.01	
Gamma Chlordane	0.02	0.11		0.16		0.09		0.07		0.08		ND	
Cis-Nonachlor	0.02	1.23		0.98		1.10		0.58		0.61		0.01	
Trans-Nonachlor	0.04	3.11		2.45		2.74		1.42		1.52		0.02	
Other Cyclodiene Pesticides													
Aldrin	0.02	0.08		0.02		0.07		0.13			ND	ND	
Dieldrin	0.03	2.02		1.58		2.41		1.16		1.01		0.27	
Endrin	0.04	0.08			ND	0.05			ND		ND	ND	
Pesticides		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	0.08	B	0.09	B	0.08	B	0.07	B	0.04	B	0.03	B
Chlorpyrifos	0.06		ND		ND		ND		ND		ND		ND
Mirex	0.01	0.24		0.08		0.10		0.05		0.07			ND
Endosulfan II	0.02		ND		ND		ND		ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-NYBLP1	
First fish analytical number		F-1480c	F-1481a	F-1482a	F-1483a	F-1484A	F-1511b		
Species		CASAP Lower Passaic River @ Newark Bay	CASAP Lower Passaic River @ Newark Bay	CASAP Lower Passaic River @ Newark Bay	CASAP Lower Passaic River @ Newark Bay	CASAP Lower Passaic River @ Newark Bay	CASAP Lower Passaic River @ Newark Bay	HOAME off shore NY Bight @ Mud Hole	
Location									
Average total length		15.98	15.28	14.44	13.06	14.14	8.70		
DDTs and Related Compounds									
2,4'DDE	0.02	0.06	0.10	0.07	0.05	0.02		ND	
4,4'DDE	0.06	14.28	9.76	11.64	8.85	11.57	0.28		
2,4'DDD	0.07	0.39	0.35	0.35	0.23	0.36		ND	
4,4'DDD	0.01	7.76	6.20	5.07	5.08	5.65	0.21	B	
2,4'DDT	0.00	0.30	0.28	0.28	0.22	0.25	0.02		
4,4'DDT	0.01	0.14	0.20	0.71	0.06	0.09	0.00	J	
Individual PCBs (ng/g wet wt)									
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02		ND	0.11	ND	0.08	ND	0.02	ND
PCB7/9*	0.02		ND		ND		ND		ND
PCB8/5	0.02	0.21		0.13		0.13	0.04	0.01	J
PCB30*	0.02		ND		ND		ND		ND
PCB18/17	0.02	0.04		0.11		0.07			ND
PCB15*	0.02	0.06		0.12		0.08	0.07		ND
PCB24/27*	0.02		ND		ND		ND		ND
PCB16/32*	0.02	0.03		0.05		0.04		0.03	ND
PCB29	0.02		ND		ND	0.05		ND	ND
PCB26*	0.02	0.06		0.05		ND	0.02	0.02	ND
PCB25*	0.02	0.14		0.16		0.67	0.10	0.08	ND
PCB31*	0.02	0.06		0.04		0.10	0.05	0.01	J
PCB28	0.02	5.68		3.83		3.25	4.51	4.29	0.06
PCB33/20**	0.02	0.05		0.06		1.45			ND
PCB53*	0.02		ND		ND		ND		ND
PCB22/51**	0.02		ND	0.03		1.49		0.02	ND
PCB45*	0.02		ND		ND		ND		ND
PCB46 *	0.02		ND		ND		ND		ND
PCB39*	0.02		ND		ND		ND		ND
PCB69*	0.02	0.15		0.16		0.13	0.18	0.14	J
PCB52	0.02	0.45		0.73		44.33	I	0.19	0.03
PCB49*	0.02	0.08		0.20		0.28	0.02	0.04	0.04
PCB47/75**	0.02	6.15		4.41		4.23	3.34	4.30	ND
PCB48*	0.02	0.57		0.28		0.34	0.21	0.19	ND
PCB44	0.02	0.30		0.35		0.32	0.26	0.23	0.18

Summary of Chemical Contaminant Concentrations: Task II

Serial Number First fish analytical number Species Location Average total length		NJT04- LPCRT1 F-1480c CASAP Lower Passaic River @ Newark Bay 15.98	NJT04- LPCRT1 F-1481a CASAP Lower Passaic River @ Newark Bay 15.28	NJT04- LPCRT1 F-1482a CASAP Lower Passaic River @ Newark Bay 14.44	NJT04- LPCRT1 F-1483a CASAP Lower Passaic River @ Newark Bay 13.06	NJT04- LPCRT1 F-1484A CASAP Lower Passaic River @ Newark Bay 14.14	NJT04- NYBLP1 F-1511b HOAME off shore NY Bight @ Mud Hole 8.70
PCB42/59/37*	0.02	0.38	0.37	0.20	0.21	0.13	ND
PCB72*	0.02	ND	ND	ND	ND	ND	ND
PCB41/64*	0.02	0.10	0.64	0.29	0.08	0.12	ND
PCB40*	0.02	0.09	0.05	0.05	0.03	0.03	ND
PCB67*	0.02	0.87	0.55	0.57	0.36	0.47	ND
PCB63*	0.02	ND	ND	ND	ND	ND	ND
PCB74/61*	0.02	6.14	3.91	3.63	3.47	4.03	ND
PCB70*	0.02	0.68	0.72	0.68	0.27	0.41	ND
PCB66	0.02	5.63	3.60	3.14	3.32	3.82	0.03
PCB95/80*	0.02	0.87	1.10	0.56	0.85	0.91	0.01
PCB55/91*	0.02	0.58	0.84	0.49	0.49	0.47	ND
PCB56/60*	0.02	2.70	1.56	1.66	1.75	1.78	ND
PCB92*	0.02	1.66	1.46	1.19	0.77	0.79	0.03
PCB84*	0.02	0.20	0.16	0.17	0.08	0.13	ND
PCB101/90	0.02	0.68	1.07	0.78	0.24	0.32	0.05
PCB99*	0.02	6.55	4.30	4.72	2.84	4.18	0.12
PCB119*	0.02	0.83	0.58	0.57	0.37	0.46	ND
PCB83*	0.02	3.17	2.33	1.95	2.20	2.47	ND
PCB97*	0.02	ND	ND	ND	ND	ND	ND
PCB87/115	0.02	0.36	0.27	0.21	0.19	0.25	0.05
PCB85*	0.02	0.83	0.35	0.45	0.37	0.37	0.01
PCB136*	0.02	0.22	0.34	0.38	0.28	0.28	0.01
PCB110/77	0.02	0.49	0.62	0.44	0.28	0.31	0.03
PCB82*	0.02	0.12	0.09	0.14	0.07	0.09	0.01
PCB151*	0.02	ND	0.08	0.01	J	ND	ND
PCB135*	0.02	0.11	0.19	0.16	0.18	0.03	ND
PCB107*	0.02	0.51	0.38	0.43	0.19	0.24	ND
PCB149/123*	0.02	0.75	0.85	0.88	0.49	0.55	0.16
PCB118	*	8.25	5.38	5.48	3.85	5.18	0.29
PCB114*	*	ND	ND	ND	ND	ND	ND
PCB146*	0.02	1.56	1.15	1.34	0.60	0.99	0.07
PCB153/132	0.05	10.35	6.36	7.48	3.61	6.64	0.36
PCB105	*	2.48	1.19	1.45	1.35	1.55	0.15
PCB141/179*	0.02	0.23	0.10	0.17	0.12	0.06	ND
PCB130*	0.02	0.42	0.30	0.34	0.18	0.29	ND
PCB176/137*	0.02	0.02	0.11	0.09	0.02	0.04	ND
PCB138 /160	0.03	5.42	3.47	4.07	2.07	3.46	0.25

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-LPCRT1		NJT04-LPCRT1		NJT04-LPCRT1		NJT04-LPCRT1		NJT04-LPCRT1		NJT04-NYBLP1	
First fish analytical number		F-1480c		F-1481a		F-1482a		F-1483a		F-1484A		F-1511b	
Species		CASAP		CASAP		CASAP		CASAP		CASAP		HOAME	
Location		Lower Passaic		Lower Passaic		Lower Passaic		Lower Passaic		Lower Passaic		off shore NY	
Average total length		River @ Newark Bay		River @ Newark Bay		River @ Newark Bay		River @ Newark Bay		River @ Newark Bay		Bight @ Mud Hole	
		15.98		15.28		14.44		13.06		14.14		8.70	
PCB158*	0.02	1.42		0.88		1.05		0.55		0.95		ND	
PCB129*	0.02	0.16		0.07		0.10		0.07		0.07		ND	
PCB178*	0.02	0.51		0.42	B	0.43	B	0.27	B	0.40	B	0.06	B
PCB166*	0.02	0.03		0.02		0.02		0.01	J	0.01		0.00	J
PCB175*	0.02	0.21		0.13		0.16		0.09		0.13		0.03	
PCB187	0.02	2.45		1.58		2.16		0.83		1.55		0.10	
PCB183**	0.02	1.00		0.56		0.73		0.36		0.68		0.02	
PCB128	0.02	0.53		0.21		0.24		0.23		0.17			ND
PCB167*	*	0.02		0.48		0.52		0.37		0.49		0.17	
PCB185*	0.02		ND		ND		ND		ND		ND		ND
PCB174*	0.02		ND	0.03		0.03			ND	0.01	J		ND
PCB177*	0.02	0.07		0.20		0.16		0.07		0.10		0.01	J
PCB171/202*	0.02	0.57	B	0.53	B	0.54	B	0.34	B	0.47	B	0.12	B
PCB156*	*	0.02	B	0.77	B	1.01	B	0.62	B	0.84	B	0.17	B
PCB201/157/173*	0.01	0.40		0.34		0.39		0.29		0.32		0.12	
PCB172*	0.01	0.27		0.19		0.24		0.13		0.20		0.03	
PCB197*	0.02	0.04		0.04		0.04		0.01	J	0.03		0.00	J
PCB180	0.01	5.51		3.17		4.21		1.72		3.31		0.07	
PCB193*	0.02	0.32		0.21		0.25		0.10		0.18			ND
PCB191*	0.02		ND		ND		ND		ND		ND		ND
PCB200*	0.02	0.05		0.04		0.05		0.03			ND		ND
PCB170/190	0.02	1.16		0.71		0.83		0.44		0.80			ND
PCB199*	0.02	0.65		0.52		0.63		0.30		0.50		0.09	
PCB203/196*	0.02	0.60		0.40		0.52		0.23		0.48			ND
PCB189*	*	0.02	B	0.17	B	0.19	B	0.16	B	0.16	B	0.12	B
PCB195/208	0.01	0.34		0.32		0.35		0.24		0.29		0.14	
PCB207*	0.02	0.07		0.07		0.07		0.03		0.03			ND
PCB194*	0.02	0.40		0.23		0.35		0.13		0.28			ND
PCB205*	0.02	0.21	B	0.21	B	0.21	B	0.21	B	0.20	B	0.15	B
PCB206	0.01	0.33	B	0.24	B	0.27	B	0.22	B	0.22	B	0.15	B
PCB209	0.01	0.29	B	0.29	B	0.32	B	0.27	B	0.29	B	0.22	B
WHO PCBs			DB		DB		DB		DB		DB		DB
Planar PCBs		Concentration	QUAL	Concentration	QUAL	Concentration	QUAL	Concentration	QUAL	Concentration	QUAL	Concentration	QUAL
PCB 77 (CL4)		0.51		0.22		0.30		0.28		0.26			ND
PCB 81 (CL4)			ND		ND		ND	0.01		0.01			ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-NYBLP1
First fish analytical number	F-1480c	F-1481a	F-1482a	F-1483a	F-1484A	F-1511b	
Species	CASAP Lower Passaic River @ Newark Bay	CASAP Lower Passaic River @ Newark Bay	CASAP Lower Passaic River @ Newark Bay	CASAP Lower Passaic River @ Newark Bay	CASAP Lower Passaic River @ Newark Bay	CASAP Lower Passaic River @ Newark Bay	HOAME off shore NY Bight @ Mud Hole
Location							
Average total length	15.98	15.28	14.44	13.06	14.14	8.70	
PCB 126 (CL5)	ND	ND	ND	ND	0.01	ND	ND
PCB 169 (CL6)	ND	ND	ND	ND	ND	ND	ND
<i>Mono-Ortho PCBs- (Planar PCBs; ng/g wet wt)</i>							
PCB 105 (CL5)	1.94	1.36	2.79	1.03	1.23	0.04	
PCB 114 (CL5)	0.14	0.10	0.15	0.16	0.06		ND
PCB 118 (CL5)	10.12	4.69	9.22	3.16	5.28	0.15	
PCB 123 (CL5)	0.17	0.06	0.03	0.06	ND		ND
PCB 156 (CL6)	0.53	0.48	0.34	0.23	0.45	0.01	
PCB 157 (CL6)	0.14	0.06	0.21	0.10	0.07		ND
PCB 167 (CL6)	0.47	0.16	0.26	0.11	0.33		ND
PCB 189 (CL7)	0.04	0.02	0.02	0.01	0.03	0.00	
<i>PCDD/PCDF Compounds (pg/g wet wt)</i>							
	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
2,3,7,8-TCDF	ND	ND	4.2	ND	4.6	ND	ND
1,2,3,7,8-PeCDF	ND	ND	1.7	L	1.3	L	ND
2,3,4,7,8-PeCDF	ND	ND	1.2	L	0.8	L	ND
1,2,3,4,7,8-HxCDF	ND	ND	ND	ND	1.7	L	ND
1,2,3,6,7,8-HxCDF	ND	ND	ND	ND	ND	ND	0.1
2,3,4,6,7,8-HxCDF	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDF	ND	1.4	L	ND	1.7	L	ND
1,2,3,4,7,8,9-HpCDF	ND	ND	ND	0.1	L	ND	ND
OCDF	ND	ND	ND	ND	ND	ND	ND
2,3,7,8-TCDD	ND	12.9	11.9	9.3	11.0		ND
1,2,3,7,8-PeCDD	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-HxCDD	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDD	ND	0.6	L	ND	ND	ND	ND
1,2,3,7,8,9-HxCDD	ND	0.6	L	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDD	ND	0.9	L	8.2	1.5	L	ND
OCDD	ND	2.7	L	54.1	4.7	L	1.8

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-NYBLP1	NJT04-NYBLP1	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-RRCRT1
First fish analytical number	F-1512a	F-1513a	F-1467a	F-1468a	F-1469a	F-1470a
Species	HOAME	HOAME	CASAP	CASAP	CASAP	CASAP
Location	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole	Western Raritan Bay	Western Raritan Bay	Western Raritan Bay	Raritan River @Rt 35 Victory Bridge
Average total length	8.53	8.90	13.50	15.24	15.38	15.04
Client Sample ID	3461 M	3462 M	3361 H	3362 H	3363 H	3364 H
Organism	Lobster	Lobster	Crab	Crab	Crab	Crab
Tissue	Muscle	Muscle	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas
GERG ID	C45464	C45465	C45199	C45201	C45203	C45205
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	F1186	F1186	EC165	EC165	EC165	EC165
Dry Weight	2.62	2.75	0.81	0.74	1.45	1.33
Wet Weight	14.51	14.71	2.78	3.43	6.12	4.78
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	18.1	18.7	29.2	21.5	23.6	27.8
% Lipid	1.1	1.9	32.5	19.8	23.8	21.9
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1471	T1471	T1472	T1472	T1472	T1472
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	1/20/2004	1/20/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004
Extraction Date	2/16/2005	2/16/2005	2/21/2005	2/21/2005	2/21/2005	2/21/2005
Analysis Date	3/2/2005	3/2/2005	3/1/2005	3/1/2005	3/1/2005	3/1/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	87.5	86.7	84.4	79.8	78.1	79.0
PCB103*	90.7	87.7	81.5	85.1	75.0	82.5
PCB198	90.4	90.6	85.9	80.4	80.7	79.4
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	10.35	3.65	2548.65	1828.13	3740.44	1017.80
Total PCBs (NOAA Status & Trends)	11.53	4.17	2543.70	1811.28	3711.03	977.67
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number Species		NYBLP1 F-1512a HOAME off shore NY Bight @ Mud Hole	NYBLP1 F-1513a HOAME off shore NY Bight @ Mud Hole	WRBCRT1 F-1467a CASAP Western Raritan Bay	WRBCRT1 F-1468a CASAP Western Raritan Bay	WRBCRT1 F-1469a CASAP Western Raritan Bay	RRCRT1 F-1470a CASAP Raritan River @Rt 35 Victory Bridge						
Location		8.53	8.90	13.50	15.24	15.38	15.04						
Average total length													
Total DDX		0.85	0.46	702.49	311.06	1182.66	270.41						
Total all chlordanes-related compounds		0.19	0.15	321.24	214.38	391.65	103.87						
Total Hg (ug/g wet wt; ANSP)		0.14	0.11	0.08	0.08	0.09	0.08						
Pesticides (ng/g wet wt)	MELs	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL		
Chlorinated Benzenes													
Tetrachlorobenzene 1,2,4,5	0.03	0.12		0.11		4.14		1.02		1.76		1.12	
Tetrachlorobenzene 1,2,3,4	0.04	0.03		0.07		3.28		2.12		2.82		3.61	
Pentachlorobenzene	0.04	0.04		0.09		1.29		0.88		1.18		0.64	
Hexachlorobenzene	0.02	0.02		0.05		8.99		4.86		8.25		3.40	
Hexachlorocyclohexanes													
Alpha HCH	0.01	0.05		0.08		0.71		0.43		0.08		0.31	
Beta HCH	0.02		ND	0.02		0.59		0.37		0.58		0.32	
Gamma HCH	0.01	0.00	J	0.02		0.21		0.15		0.24		0.11	
Delta HCH	0.01		ND		ND		ND		ND	0.40		0.07	
Chlordane-related Compounds													
Heptachlor	0.01		ND		ND	2.82		1.59		3.20		1.81	
Heptachlor Epoxide	0.02	0.02			ND	25.83		20.00		29.27		7.92	
Oxychlordane	0.03	0.10		0.12		117.64	d	100.41	d	190.46	d	49.68	
Alpha Chlordane	0.02	0.02			ND	22.12		10.29		14.21		6.21	
Gamma Chlordane	0.02	0.00	J		ND	3.60		1.95		3.22		1.38	
Cis-Nonachlor	0.02	0.01	J		ND	38.83		25.77		48.28	d	11.50	
Trans-Nonachlor	0.04	0.04		0.03		110.41	d	54.38		103.01	d	25.38	
Other Cyclodiene Pesticides													
Aldrin	0.02		ND		ND	1.44		2.13		2.97		1.51	
Dieldrin	0.05	0.25		0.28		62.17		40.71		59.43	d	17.80	
Endrin	0.04		ND		ND		ND		ND	0.03	J		
Pesticides		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	0.05	B	0.07	B	0.86		0.32	B	0.62	B	0.69	B
Chlorpyrifos	0.06		ND		ND	3.23		2.43		4.34		2.37	
Mirex	0.01	0.03			ND	3.11		2.03		2.41		0.83	
Endosulfan II	0.03		ND		ND		ND		ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-NYBLP1		NJT04-NYBLP1		NJT04-WRBCRT1		NJT04-WRBCRT1		NJT04-WRBCRT1		NJT04-RRCRT1	
First fish analytical number		F-1512a		F-1513a		F-1467a		F-1468a		F-1469a		F-1470a	
Species		HOAME off shore NY Bight @ Mud Hole		HOAME off shore NY Bight @ Mud Hole		CASAP Western Raritan Bay		CASAP Western Raritan Bay		CASAP Western Raritan Bay		CASAP Raritan River @Rt 35 Victory Bridge	
Location													
Average total length		8.53		8.90		13.50		15.24		15.38		15.04	
DDTs and Related Compounds													
2,4' DDE	0.02		ND		ND	1.57		0.52		0.94		1.33	
4,4' DDE	0.06	0.55		0.21		390.51	d	185.38	d	739.90	d	147.60	d
2,4' DDD	0.07		ND		ND	7.71		6.17		9.40		2.48	
4,4' DDD	0.01	0.27	B	0.25	B	280.41	d	107.58	d	414.88	d	113.87	d
2,4' DDT	0.00	0.03			ND	9.00		6.92		9.61		1.89	
4,4' DDT	0.01	0.00	J		ND	13.19		4.48		7.94		3.24	
Individual PCBs (ng/g wet wt)													
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02	0.04		0.03		8.30		4.87		18.07		7.00	
PCB7/9*	0.02		ND		ND				ND	0.30		0.42	
PCB8/5	0.02	0.01	J	0.12		4.17		2.51		4.49		2.03	
PCB30*	0.02		ND		ND				ND		ND		ND
PCB18/17	0.02	0.02		0.06		1.97		1.41		2.26		1.07	
PCB15*	0.02		ND		ND	2.44		1.82		2.54		1.71	
PCB24/27**	0.02		ND		ND	0.83		0.22		1.04		0.52	
PCB16/32**	0.02	0.02			ND	0.07	J	0.05	J	0.18		0.29	
PCB29	0.02		ND		ND	3.46		1.68		2.95		2.45	
PCB26*	0.02		ND		ND	4.19		2.52		3.37		3.31	
PCB25*	0.02		ND		ND	1.85		1.31		2.02		0.95	
PCB31*	0.02	0.01	J		ND	1.41		0.32		0.61		0.35	
PCB28	0.02	0.19		0.06		55.56		46.97		72.40	d	31.54	
PCB33/20**	0.02		ND		ND				ND		ND	1.19	
PCB53*	0.02		ND		ND				ND		ND		ND
PCB22/51**	0.02		ND		ND	0.16			ND	0.44		0.20	
PCB45*	0.02		ND		ND				ND	0.23			ND
PCB46 *	0.02		ND		ND	0.73		0.59		0.84		0.67	
PCB39*	0.02		ND		ND	0.61		0.44		0.67		0.25	
PCB69*	0.02	0.05		0.03		2.20		2.38		2.94		0.92	
PCB52	0.02	0.04			ND	2.42		1.07		1.93		1.64	
PCB49*	0.02	0.02			ND	2.17		1.31		1.95		1.12	
PCB47/75**	0.02	0.17			ND	112.04	d	78.24	d	158.53	d	40.82	
PCB48*	0.02		ND		ND	7.02		5.37		6.56		6.41	
PCB44	0.02	0.20		0.22		1.13		0.79			ND	0.57	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-NYBLP1	NJT04-NYBLP1	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-RRCRT1
First fish analytical number		F-1512a	F-1513a	F-1467a	F-1468a	F-1469a	F-1470a	
Species		HOAME off shore NY Bight @ Mud Hole	HOAME off shore NY Bight @ Mud Hole	CASAP Western Raritan Bay	CASAP Western Raritan Bay	CASAP Western Raritan Bay	CASAP Western Raritan Bay	CASAP Raritan River @Rt 35 Victory Bridge
Location								
Average total length		8.53	8.90	13.50	15.24	15.38	15.04	
PCB42/59/37*	0.02		ND	ND	5.75	4.65	4.97	3.24
PCB72*	0.02		ND	ND	4.12	0.76	2.14	8.01
PCB41/64*	0.02		ND	ND	3.19	0.36	2.46	1.11
PCB40*	0.02		ND	ND	2.12	1.77	3.08	0.60
PCB67*	0.02		ND	ND	9.99	7.50	12.74	5.86
PCB63*	0.02		ND	ND		ND	ND	ND
PCB74/61*	0.02	0.21	0.02	122.13	d	89.98	163.00	48.85
PCB70*	0.02	0.04		18.81		18.09	31.22	7.49
PCB66	0.02	0.24		110.36	d	79.53	141.90	53.64
PCB95/80*	0.02	0.12		6.30		5.60	3.15	1.46
PCB55/91*	0.02	0.01	J	26.62		19.13	29.18	8.96
PCB56/60*	0.02		ND	27.91		23.35	32.13	18.74
PCB92*	0.02	0.06		43.63		31.37	111.27	17.97
PCB84*	0.02		ND	3.96		2.66	4.21	2.60
PCB101/90	0.02	0.18	0.02	14.33		9.10	15.28	6.02
PCB99*	0.02	0.46	0.06	262.36	d	181.98	387.68	89.04
PCB119*	0.02	0.02		31.10		16.13	30.10	7.04
PCB83*	0.02		ND	220.94	d	136.18	346.78	104.95
PCB97*	0.02		ND	1.65		ND	1.55	0.74
PCB87/115	0.02	0.08	0.06	5.59		4.49	6.32	2.08
PCB85*	0.02	0.03		26.56		28.28	65.74	9.36
PCB136*	0.02	0.02		2.96		3.44	4.29	1.06
PCB110/77	0.02	0.14	0.05	8.61		6.70	8.78	3.74
PCB82*	0.02	0.01	J	4.96		3.58	7.09	2.96
PCB151*	0.02	0.02		ND	ND	ND	ND	ND
PCB135**	0.02	0.04	0.04	2.73		0.67	1.58	1.57
PCB107**	0.02	0.04		15.18		11.92	17.39	5.14
PCB149/123**	0.02	0.26		20.65		13.75	21.20	7.27
PCB118	* 0.02	0.93	B	196.08	d	148.14	286.01	71.92
PCB114**	* 0.02		ND	ND	ND	ND	ND	ND
PCB146**	0.02	0.26	0.05	41.27		35.54	70.35	13.59
PCB153/132	0.02	1.20	0.25	349.29	d	238.64	536.37	114.43
PCB105	* 0.01	0.26	0.15	41.61		38.30	51.72	16.82
PCB141/179**	0.02		ND	4.67		1.83	2.73	1.41
PCB130*	0.02	0.04		11.10		9.88	15.92	4.62
PCB176/137**	0.02	0.03		3.75		1.66	2.95	1.20
PCB138/160	0.02	0.81	0.20	195.21	d	119.21	271.27	69.15

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-NYBLP1		NJT04-NYBLP1		NJT04-WRBCRT1		NJT04-WRBCRT1		NJT04-WRBCRT1		NJT04-RRCRT1	
First fish analytical number		F-1512a		F-1513a		F-1467a		F-1468a		F-1469a		F-1470a	
Species		HOAME off shore NY Bight @ Mud Hole		HOAME off shore NY Bight @ Mud Hole		CASAP Western Raritan Bay		CASAP Western Raritan Bay		CASAP Western Raritan Bay		CASAP Raritan River @Rt.35 Victory Bridge	
Location													
Average total length		8.53		8.90		13.50		15.24		15.38		15.04	
PCB158*	0.02	0.12		ND		27.97		22.41		54.97	d	10.04	
PCB129*	0.02		ND		ND	1.08		0.74		0.76		0.66	
PCB178*	0.02	0.13	B	0.06	B	10.10		8.99		12.63		1.11	
PCB166*	0.02	0.00	J		ND	0.69		0.74		1.03		0.36	
PCB175*	0.02	0.04		0.04		4.83		3.76		5.91		1.45	
PCB187	0.02	0.45		0.07		64.00		54.70		114.30	d	22.06	
PCB183 *	0.02	0.06			ND	25.27		20.39		46.66	d	10.58	
PCB128	0.01	0.04			ND	26.00		19.49		43.14	d	10.71	
PCB167*	*	0.02		0.18		11.39		10.16		15.49		4.89	
PCB185 *	0.02		ND		ND		ND		ND		ND		ND
PCB174*	0.02		ND		ND	0.40		0.22		0.40		0.26	
PCB177*	0.02	0.07		0.01	J	6.19		2.65		5.27		2.72	
PCB171/202*	0.02	0.20	B	0.12	B	13.35		10.30		14.95		4.73	
PCB156*	*	0.02	B	0.19	B	24.53		20.65		42.72	d	9.18	
PCB201/157/173*	0.01	0.18		0.13		8.30		6.51		10.22		3.81	
PCB172*	0.01	0.09			ND	5.77		4.32		6.12		1.45	
PCB197*	0.02	0.01	J		ND	1.06		0.80		1.26		0.53	
PCB180	0.01	0.28		0.04		163.15	d	111.71	d	260.41	d	64.58	d
PCB193*	0.02		ND		ND	5.15		4.13		5.84		2.27	
PCB191*	0.02		ND		ND	3.60		3.04		4.78		1.76	
PCB200*	0.02	0.03			ND	0.41		0.29		0.32		0.23	
PCB170/190	0.02	0.11			ND	23.74		16.90		29.71		10.35	
PCB199*	0.02	0.19			ND	17.67		14.51		21.64		7.11	
PCB203/196*	0.02	0.08			ND	16.93		13.35		22.08		8.81	
PCB189*	*	0.02	B	0.13	B	2.11	B	1.51	B	2.08	B	0.91	B
PCB195/208	0.01	0.19		0.14		7.96		5.94		8.44		3.79	
PCB207*	0.02	0.03			ND	1.33		0.99		1.42		0.67	
PCB194*	0.02	0.05			ND	10.22		7.39		12.97		4.21	
PCB205 *	0.02	0.21	B	0.19	B	1.83	B	1.28	B	1.68	B	1.02	B
PCB206	0.01	0.29	B	0.19	B	7.89		5.24		7.73		4.15	
PCB209	0.01	0.31	B	0.19	B	6.96		6.01		8.15		4.38	B
<i>WHO PCBs</i>			DB		DB		DB		DB		DB		DB
<i>Planar PCBs</i>			QUAL		QUAL		QUAL		QUAL		QUAL		QUAL
PCB 77 (CL4)		Re-extract		0.07		6.42		6.88		8.26		5.14	
PCB 81 (CL4)						0.28		0.31		0.38		0.16	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-NYBLP1	NJT04-NYBLP1	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-WRBCRT1	NJT04-RRCRT1
First fish analytical number	F-1512a	F-1513a	F-1467a	F-1468a	F-1469a	F-1470a
Species	HOAME off shore NY Bight @ Mud Hole	HOAME off shore NY Bight @ Mud Hole	CASAP Western Raritan Bay	CASAP Western Raritan Bay	CASAP Western Raritan Bay	CASAP Raritan River @Rt 35 Victory Bridge
Location						
Average total length	8.53	8.90	13.50	15.24	15.38	15.04

PCB 126 (CL5)			ND	0.54	0.48	0.67	0.12
PCB 169 (CL6)			ND	0.03	0.04	0.05	0.02

**Mono-Ortho PCBs
(Planar PCBs; ng/g wet wt)**

PCB 105 (CL5)		0.07		43.11	39.97	50.41	22.20
PCB 114 (CL5)			ND	3.07	3.07	4.49	1.29
PCB 118 (CL5)		0.24		190.76	207.76	282.13	78.78
PCB 123 (CL5)			ND	15.17	3.33	17.62	4.83
PCB 156 (CL6)			ND	12.95	14.18	20.02	5.63
PCB 157 (CL6)			ND	2.93	3.01	4.47	1.47
PCB 167 (CL6)		0.02		10.38	9.19	12.85	3.90
PCB 189 (CL7)			ND	1.84	1.32	2.13	0.56

PCDD/PCDF Compounds (pg/g wet wt)

	Concentration		Concentration		Concentration		Concentration		Concentration			
2,3,7,8-TCDF		ND		ND		ND	41.5		100.8		40.9	
1,2,3,7,8-PeCDF		ND		ND		ND	3.7	L	6.9	L	1.9	L
2,3,4,7,8-PeCDF		ND	0.7	L		ND		ND	11.1			ND
1,2,3,4,7,8-HxCDF		ND	0.6	L		ND	3.2	L			ND	ND
1,2,3,6,7,8-HxCDF	0.3	L		ND		ND		ND			ND	ND
2,3,4,6,7,8-HxCDF	0.3	L		ND		ND		ND			ND	ND
1,2,3,7,8,9-HxCDF		ND		ND		ND		ND			ND	ND
1,2,3,4,6,7,8-HpCDF		ND		ND		ND		ND	1.1	L		ND
1,2,3,4,7,8,9-HpCDF		ND		ND		ND		ND			ND	ND
OCDF		ND		ND		ND		ND			ND	ND
2,3,7,8-TCDD		ND		ND		ND		ND	14.3			ND
1,2,3,7,8-PeCDD	0.5	L		ND		ND	3.4	L	2.8	L		ND
1,2,3,4,7,8-HxCDD	0.5	L		ND		ND		ND			ND	ND
1,2,3,6,7,8-HxCDD	0.3	L		ND		ND	1.8	L			ND	ND
1,2,3,7,8,9-HxCDD		ND		ND		ND		ND			ND	ND
1,2,3,4,6,7,8-HpCDD		ND		ND		ND		ND	4.1	L		ND
OCDD		ND		ND		ND	41.7				ND	178.9

Summary of Chemical Contaminant Concentrations: Task II

Serial Number First fish analytical number Species	NJT04- RRCRT1 F-1471a CASAP	NJT04- RRCRT1 F-1472a CASAP	NJT04- ERBCRT1 F-1474a CASAP	NJT04- ERBCRT1 F-1475a CASAP	NJT04- ERBCRT1 F-1476a CASAP	NJT04- MLRBCRT1 F-1477A CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill
Location Average total length	Raritan River @Rt 35 Victory Bridge 13.98	Raritan River @Rt 35 Victory Bridge 14.52	Eastern Raritan Bay @ Keansburg 14.84	Eastern Raritan Bay @ Keansburg 13.78	Eastern Raritan Bay @ Keansburg 13.42	14.10
Client Sample ID	3365 H	3366 H	3367 H	3368 H	3369 H	3370 H
Organism	Crab	Crab	Crab	Crab	Crab	Crab
Tissue	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas
GERG ID	C45207	C45209	C45211	C45213	C45215	C45217
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	EC165	EC165	EC165	EC165	EC165	EC165
Dry Weight	0.85	1.49	1.36	0.82	0.39	1.87
Wet Weight	2.78	4.86	5.65	4.88	5.87	8.24
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	30.6	30.6	24.0	16.9	6.7	22.7
% Lipid	32.4	32.4	24.3	20.5	54.9	27.3
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1472	T1472	T1472	T1472	T1472	T1472
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	12/1/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004
Extraction Date	2/21/2005	2/21/2005	2/21/2005	2/21/2005	2/21/2005	2/21/2005
Analysis Date	3/1/2005	3/1/2005	3/1/2005	3/1/2005	3/1/2005	3/1/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	80.1	83.8	85.1	79.1	84.3	78.8
PCB103*	85.7	89.5	88.9	83.8	92.1	81.2
PCB198	82.4	88.7	88.3	81.3	86.2	83.9
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	1879.20	1989.27	1220.41	642.26	716.69	1087.44
Total PCBs (NOAA Status & Trends)	1876.15	2009.44	1202.29	620.03	722.80	1121.99
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number	RRCRT1	RRCRT1	ERBCRT1	ERBCRT1	ERBCRT1	ERBCRT1	MLRBCRT1					
Species	F-1471a	F-1472a	F-1474a	F-1475a	F-1476a	F-1477A						
Location	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP						
Average total length	Raritan River @Rt 35 Victory Bridge	Raritan River @Rt 35 Victory Bridge	Eastern Raritan Bay @ Keansburg	Eastern Raritan Bay @ Keansburg	Eastern Raritan Bay @ Keansburg	Eastern Raritan Bay @ Keansburg	Mid-lower Raritan Bay @ Raritan beach/Chapel Hill					
	13.98	14.52	14.84	13.78	13.42	14.10						
Total DDX	444.90	458.04	266.75	117.73	148.58	187.82						
Total all chlordanes-related compounds	171.04	180.20	120.50	65.00	79.54	174.26						
Total Hg (ug/g wet wt; ANSP)	0.11	0.10	0.07	0.08	0.05	0.07						
<i>Pesticides (ng/g wet wt)</i>	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Chlorinated Benzenes												
Tetrachlorobenzene 1,2,4,5	5.84		4.19		0.81		4.58		0.45			
Tetrachlorobenzene 1,2,3,4	3.50		3.13		1.09		0.79		0.44		1.06	
Pentachlorobenzene	1.11		1.14		0.61		0.43		0.37		0.50	
Hexachlorobenzene	4.69		5.20		5.21		1.43		1.83		2.90	
Hexachlorocyclohexanes												
Alpha HCH	0.48		0.29		0.25		0.17		0.26		0.20	
Beta HCH	0.49		0.50		0.43		0.26		0.27		0.38	
Gamma HCH	0.20		0.21		0.07		0.10		0.09		0.15	
Delta HCH		ND	0.02		0.05		0.05		0.02		0.05	
Chlordane-related Compounds												
Heptachlor	2.24		1.97		0.93		0.51		0.43		0.61	
Heptachlor Epoxide	13.59		13.79		12.52		5.80		8.21		14.47	
Oxychlordane	62.59		80.36	d	44.72	d	24.24		32.17		77.01	d
Alpha Chlordane	13.44		9.89		6.67		5.40		4.49		8.30	
Gamma Chlordane	3.04		2.48		1.37		1.10		0.93		1.50	
Cis-Nonachlor	24.20		21.55		19.10		9.82		12.75		23.37	d
Trans-Nonachlor	51.93		50.27	d	35.19		18.12		20.55		48.99	d
Other Cyclodiene Pesticides												
Aldrin	0.98		2.20		0.66		0.41		0.53		0.40	
Dieldrin	35.83		34.10		27.45		18.34		17.37		23.97	
Endrin		ND		ND		ND		ND		ND		ND
Pesticides	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides												
Pentachloroanisole	1.10		0.78		0.33	B	0.25	B	0.21	B	0.35	B
Chlorpyrifos	2.13		2.48		1.69		0.87		1.00		2.10	
Mirex	1.86		2.00		0.79		0.53		0.50		1.00	
Serial Number	NJT04-		NJT04-		NJT04-		NJT04-		NJT04-		NJT04-	

Summary of Chemical Contaminant Concentrations: Task II

First fish-analytical number Species	RRCRT1 F-1471a CASAP Raritan River @Rt 35 Victory Bridge 13.98	RRCRT1 F-1472a CASAP Raritan River @Rt 35 Victory Bridge 14.52	ERBCRT1 F-1474a CASAP Eastern Raritan Bay @ Keansburg 14.84	ERBCRT1 F-1475g CASAP Eastern Raritan Bay @ Keansburg 13.78	ERBCRT1 F-1476a CASAP Eastern Raritan Bay @ Keansburg 13.42	MLRBCRT1 F-1477A CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill 14.10
Location Average total length						
Endosulfan II	0.02	ND	ND	ND	ND	ND
DDTs and Related Compounds						
2,4' DDE	0.02	1.54	1.90	0.18	0.41	0.23
4,4' DDE	0.06	262.99	d	167.75	d	94.46
2,4' DDD	0.03	7.01	8.79	5.22	3.25	3.16
4,4' DDD	0.01	158.25	d	161.52	d	46.87
2,4' DDT	0.00	7.86	8.45	4.95	3.12	3.15
4,4' DDT	0.01	7.26	9.86	1.06	1.09	0.72
		DB	DB	DB	DB	DB
		QUAL	QUAL	QUAL	QUAL	QUAL
Individual PCBs (ng/g wet wt)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
PCB1*	0.02	0.21	1.19	0.84	0.74	0.70
PCB7/9*	0.02	ND	ND	0.04	ND	0.09
PCB8/5	0.02	2.00	1.93	1.09	0.84	0.89
PCB30*	0.02	ND	ND	ND	ND	ND
PCB18/17	0.02	2.20	1.55	1.13	0.86	0.81
PCB15*	0.02	2.74	2.42	1.64	0.99	0.87
PCB24/27*	0.02	0.35	0.67	0.29	0.12	0.15
PCB16/32*	0.02	1.03	0.79	ND	0.05	0.16
PCB29	0.02	3.61	4.19	1.27	0.63	0.70
PCB26*	0.02	0.68	0.34	0.28	0.17	0.10
PCB25*	0.02	1.72	1.36	0.76	0.35	0.44
PCB31*	0.02	1.16	0.62	0.70	0.17	0.18
PCB28	0.02	46.40	51.13	21.95	15.19	17.03
PCB33/20*	0.02	ND	ND	ND	ND	ND
PCB53*	0.02	ND	ND	ND	ND	ND
PCB22/51*	0.02	0.79	0.47	0.26	ND	ND
PCB45*	0.02	ND	ND	ND	ND	ND
PCB46**	0.02	0.67	0.47	0.34	0.19	0.31
PCB39*	0.02	0.40	0.41	0.21	0.04	0.13
PCB69*	0.02	1.64	1.59	1.04	0.50	0.62
PCB52	0.02	10.09	4.14	2.59	1.03	1.04
PCB49*	0.02	9.04	3.37	2.84	1.04	0.99
PCB47/75*	0.02	66.47	d	88.45	d	28.96
PCB48*	0.02	8.18	6.83	4.04	3.74	5.23
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number		RRCRT1		RRCRT1		ERBCRT1		ERBCRT1		ERBCRT1		MLRBCRT1			
Species		F-1471a		F-1472a		F-1474a		F-1475a		F-1476a		F-1477A			
		CASAP		CASAP		CASAP		CASAP		CASAP		CASAP			
Location		Raritan River		Raritan River		Eastern Raritan		Eastern Raritan		Eastern Raritan		Raritan Bay @			
Average total length		@Rt 35		@Rt 35		Bay @		Bay @		Bay @		Raritan			
		Victory Bridge		Victory Bridge		Keansburg		Keansburg		Keansburg		beach/Chapel Hill			
		13.98		14.52		14.84		13.78		13.42		14.10			
PCB44		0.02		1.88		0.89		0.80		0.59		0.51		0.45	
PCB42/59/37*		0.02		6.88		6.26		2.86		1.67		2.08		2.51	
PCB72*		0.02	B	1.27		1.17	B	1.14		0.89	B	9.10		6.06	
PCB41/64*		0.02		10.14		7.09		3.74		0.94		0.71		0.69	
PCB40*		0.02		1.41		1.69		1.01		0.45		0.66		1.43	
PCB67*		0.02		7.35		8.78		4.36		3.32		3.10		4.19	
PCB63*		0.02	ND			ND		ND		ND		ND		ND	
PCB74/61*		0.02	d	75.47		81.83	d	41.61		28.86		27.17	d	37.66	d
PCB70*		0.02		18.59		14.62		10.63		3.38		6.09		13.78	
PCB66		0.02	d	80.71		85.81	d	38.76		28.45		28.98	d	37.82	d
PCB95/80*		0.02		4.23		5.74		2.98		3.07		2.92		4.14	
PCB55/91*		0.02		19.38		17.78		14.94		8.81		9.43		18.49	
PCB56/60*		0.02		21.17		25.50		10.17		7.02		7.30		9.17	
PCB92*		0.02	d	36.98		32.04		21.55		11.38		8.53		17.75	d
PCB84*		0.02		2.95		2.55		2.07		1.11		1.45		1.33	
PCB101/90		0.02		28.87		19.19		11.45		4.43		3.37		6.06	
PCB99*		0.02	d	177.41		194.86	d	122.89		64.99	d	67.45	d	110.70	d
PCB119*		0.02		13.54		17.98		11.02		6.38		6.62		11.91	
PCB83*		0.02	d	158.53		127.23	d	106.13		38.69	d	51.47	d	56.06	d
PCB97*		0.02		5.14		2.72		1.37		0.73		0.45		0.44	
PCB87/115		0.04		5.03		4.48		2.09		1.23		1.31		1.93	
PCB85*		0.02		12.91		24.85		15.73		9.58		8.25		17.91	
PCB136*		0.02		2.40		3.47		2.81		1.49		2.06		1.67	
PCB110/77		0.02		19.03		13.45		7.31		3.41		3.72		4.47	
PCB82*		0.02		4.29		3.71		3.00		1.91		2.42		4.26	
PCB151*		0.02		2.58		0.32		0.27		0.08		ND		ND	
PCB135*		0.02		3.19		3.90		1.60		0.44		0.13		1.55	
PCB107*		0.02		10.77		13.74		8.55		4.88		3.63		7.15	
PCB149/123*		0.02		16.17		16.50		9.99		5.36		5.51		8.07	
PCB118	*	0.02	d	134.61		143.31	d	81.87		41.21	d	53.38	d	84.34	d
PCB114*	*	0.02	ND			ND		ND		ND		ND		ND	
PCB146*		0.02		33.10		41.58	d	26.57		14.39		13.94		22.48	d
PCB153/132		0.03	d	249.11		256.56	d	170.76		84.97	d	107.84	d	169.13	d
PCB105	*	0.01		30.89		33.29		25.62		9.83		12.07		20.23	
PCB141/179*		0.02		5.70		2.97		2.41		1.75		1.48		2.45	
PCB130*		0.02		8.07		9.64		5.10		3.06		3.51		5.43	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04- RRCRT1		NJT04- RRCRT1		NJT04- ERBCRT1		NJT04- ERBCRT1		NJT04- ERBCRT1		NJT04- MLRBCRT1	
First fish analytical number		F-1471a		F-1472a		F-1474a		F-1475a		F-1476a		F-1477A	
Species		CASAP		CASAP		CASAP		CASAP		CASAP		CASAP	
Location		Raritan River @Rt 35		Raritan River @Rt 35		Eastern Raritan Bay @ Keansburg		Eastern Raritan Bay @ Keansburg		Eastern Raritan Bay @ Keansburg		Raritan Bay @ beach/Chapel Hill	
Average total length		13.98		14.52		14.84		13.78		13.42		14.10	
PCB176/137*	0.02	4.46		4.01		2.61		1.03		0.52		0.98	
PCB138 /160	0.03	129.44	d	141.29	d	91.87	d	45.07	d	47.73	d	83.35	d
PCB158*	0.02	17.58		22.41		13.05		6.61		6.88		12.90	
PCB129*	0.02	1.05		0.64		0.52		0.62		0.53			
PCB178*	0.02	8.55		10.00		6.61		3.82		3.90		5.73	
PCB166*	0.02	0.76		0.74		0.45		0.13		0.20		0.28	
PCB175*	0.02	3.30		3.86		2.41		1.55		1.45		2.51	
PCB187	0.02	49.45		66.23	d	40.79	d	21.93		20.86		31.91	d
PCB183 *	0.02	18.65		22.54		14.67		7.74		9.05		13.51	
PCB128	0.01	18.05		23.13		14.63		7.46		8.45		15.66	
PCB167*	* 0.02	9.72		10.62		6.55		4.53		4.92		6.97	
PCB185 *	0.02	0.67		0.22		ND		ND		ND		ND	
PCB174*	0.02	1.44		0.74		0.42		0.15		0.14		0.19	
PCB177*	0.02	6.27		6.13		4.02		1.68		0.90		1.64	
PCB171/202*	0.02	10.93		12.34		9.23		5.45		5.09		7.84	
PCB156*	* 0.02	17.97		22.43		10.97		6.00		7.51		11.84	
PCB201/157/173*	0.01	6.72		7.64		4.73		3.01		3.23		4.44	
PCB172*	0.01	4.00		4.82		2.65		1.87		1.61		2.29	
PCB197*	0.02	0.90		0.87		0.67		0.45		0.46		0.66	
PCB180	0.01	120.87	d	136.33	d	73.58	d	32.70	d	42.09	d	62.99	d
PCB193*	0.02	3.78		4.35		2.97		1.74		1.77		2.45	
PCB191*	0.02	2.69		3.15		2.06		1.14		1.23		1.93	
PCB200*	0.02	0.48		0.31		0.24		0.35		0.16		0.21	
PCB170/190	0.02	15.66		20.00		12.83		7.18		8.22		12.82	
PCB199*	0.02	12.80		17.55		9.41		5.92		5.55		8.07	
PCB203/196*	0.02	12.49		15.21		9.59		5.70		6.44		9.82	
PCB189*	* 0.02	2.09	B	1.67	B	1.18	B	0.75	B	0.73	B	1.07	B
PCB195/208	0.01	6.35		6.98		4.18		2.70		2.77		3.97	
PCB207*	0.02	1.32		1.15		0.67		0.75		0.59		0.80	
PCB194*	0.02	7.19		9.47		5.55		2.97		3.55		5.69	
PCB205 *	0.02	1.54	B	1.44	B	1.04	B	0.96	B	0.72	B	1.19	B
PCB206	0.01	5.94		6.74		3.75		2.88		3.02		4.09	
PCB209	0.01	5.53		6.23		3.49	B	2.69	B	2.46	B	3.35	B

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04- RRCRT1	NJT04- RRCRT1	NJT04- ERBCRT1	NJT04- ERBCRT1	NJT04- ERBCRT1	NJT04- ERBCRT1	NJT04- MLRBCRT1					
First fish analytical number	F-1471a	F-1472a	F-1474a	F-1475a	F-1476a	F-1477a						
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP						
Location	Raritan River @Rt 35 Victory Bridge	Raritan River @Rt 35 Victory Bridge	Eastern Raritan Bay @ Keansburg	Eastern Raritan Bay @ Keansburg	Eastern Raritan Bay @ Keansburg	Eastern Raritan Bay @ Keansburg	Mid-lower Raritan Bay @ Raritan beach/Chapel Hill					
Average total length	13.98	14.52	14.84	13.78	13.42	14.10						
	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL				
WHO PCBs												
Planar PCBs												
PCB 77 (CL4)	4.97		7.51		2.93		1.72		2.47		2.74	
PCB 81 (CL4)	0.19		0.27		0.17		0.09		0.08		0.13	
PCB 126 (CL5)	0.28		0.42		0.22		0.10		0.16		0.28	
PCB 169 (CL6)	0.03		0.03			ND	0.01		0.00	J	0.02	
Mono-Ortho PCBs												
(Planar PCBs; ng/g wet wt)												
PCB 105 (CL5)	41.86		39.33		12.38		10.17		17.53		23.49	
PCB 114 (CL5)	2.61		2.53		1.46		0.71		0.86		1.28	
PCB 118 (CL5)	189.04		183.32		87.56		59.95		77.82		106.69	
PCB 123 (CL5)	2.15		12.86		7.10		4.10		1.32		6.14	
PCB 156 (CL6)	11.30		13.69		9.09		4.16		5.68		6.90	
PCB 157 (CL6)	2.57		3.13		1.59		1.11		2.03		1.79	
PCB 167 (CL6)	7.11		9.32		8.02		3.22		4.62		5.56	
PCB 189 (CL7)	0.86		1.44		1.23		0.48		0.92		0.67	
PCDD/PCDF Compounds (ng/g wet wt)												
	Concentration		Concentration		Concentration		Concentration		Concentration		Concentration	
2,3,7,8-TCDF		ND	57.5		44.5		14.4		26.6		14.7	
1,2,3,7,8-PeCDF		ND		ND		ND		ND		ND	3.3	L
2,3,4,7,8-PeCDF		ND		ND		ND	1.1	L	3.2	L		ND
1,2,3,4,7,8-HxCDF		ND		ND		ND		ND		ND		ND
1,2,3,6,7,8-HxCDF		ND		ND		ND		ND		ND		ND
2,3,4,6,7,8-HxCDF		ND		ND		ND		ND		ND		ND
1,2,3,7,8,9-HxCDF		ND		ND		ND		ND		ND		ND
1,2,3,4,6,7,8-HpCDF	0.8	L	3.3	L		ND		ND		ND	1.0	L
1,2,3,4,7,8,9-HpCDF		ND		ND		ND		ND		ND		ND
OCDF		ND		ND		ND		ND		ND		ND
2,3,7,8-TCDD		ND	13.8			ND		ND		ND		ND
1,2,3,7,8-PeCDD		ND	1.8	L		ND		ND		ND	4.8	L
1,2,3,4,7,8-HxCDD		ND		ND		ND		ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04- RRCRT1	NJT04- RRCRT1	NJT04- ERBCRT1	NJT04- ERBCRT1	NJT04- ERBCRT1	NJT04- ERBCRT1	NJT04- MLRBCRT1
First fish analytical number	F-1471a	F-1472a	F-1474a	F-1475a	F-1476a	F-1477A	
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP
Location	Raritan River @Rt 35 Victory Bridge	Raritan River @Rt 35 Victory Bridge	Eastern Raritan Bay @ Keansburg	Eastern Raritan Bay @ Keansburg	Eastern Raritan Bay @ Keansburg	Eastern Raritan Bay @ Keansburg	Raritan Bay @ Raritan beach/Chapel Hill
Average total length	13.98	14.52	14.84	13.78	13.42	14.10	
1,2,3,6,7,8-HxCDD	2.1	L	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDD		ND	ND	ND	ND	2.4	L
1,2,3,4,6,7,8-HpCDD	2.8	L	ND	ND	ND	ND	ND
OCDD	48.8		ND	15.0	L	ND	ND

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Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-MLRBCRT1	NJT04-MLRBCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1
First fish analytical number	F-1478A	F-1479A	F-1480c	F-1481a	F-1482a	F-1483a
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP
Location	Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay
Average total length	14.14	13.02	15.98	15.28	14.44	13.06
Client Sample ID	3371 H	3372 H	3379 H	3380 H	3381 H	3382 H
Organism	Crab	Crab	Crab	Crab	Crab	Crab
Tissue	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas
GERG ID	C45219	C45221	C45223	C45225	C45227	C45229
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	EC165	EC165	EC165	EC165	EC165	EC165
Dry Weight	0.84	1.00	2.08	1.46	0.78	1.07
Wet Weight	4.26	4.87	10.80	7.51	5.43	6.54
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	19.7	20.5	19.3	19.5	14.3	16.4
% Lipid	31.3	19.4	25.4	25.9	19.7	26.0
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1472	T1472	T1472	T1472	T1472	T1472
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	12/1/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004	12/1/2004
Extraction Date	2/21/2005	2/21/2005	2/21/2005	2/21/2005	2/21/2005	2/21/2005
Analysis Date	3/1/2005	3/2/2005	3/2/2005	3/2/2005	3/2/2005	3/2/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	84.2	82.7	79.4	76.3	86.2	83.1
PCB103*	91.3	89.9	52.5	64.1	97.5	83.6
PCB198	87.8	85.1	91.4	87.7	91.6	86.6
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	749.49	714.83	7020.01	5230.63	2099.13	1668.10
Total PCBs (NOAA Status & Trends)	775.69	697.07	7283.86	5234.74	1967.28	1620.55
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number	MLRBCRT1	MLRBCRT1	LPCRT1	LPCRT1	LPCRT1	LPCRT1	LPCRT1						
Species	F-1478A	F-1479A	F-1480c	F-1481a	F-1482a	F-1483a							
Location	CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay						
Average total length	14.14	13.02	15.98	15.28	14.44	13.06							
Total DDX	139.75	122.44	1182.21	872.05	381.02	263.29							
Total all chlordane-related compounds	79.53	89.55	871.43	563.61	272.37	186.59							
Total Hg (ug/g wet wt; ANSP)	0.03	0.08	0.16	0.09	0.06	0.09							
<i>Pesticides (ng/g wet wt)</i>	MLRBCRT1	MLRBCRT1	LPCRT1	LPCRT1	LPCRT1	LPCRT1	LPCRT1						
	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	
Chlorinated Benzenes													
Tetrachlorobenzene 1,2,4,5	0.03	1.04		0.58		45.91	d	37.17	d	11.19		15.12	
Tetrachlorobenzene 1,2,3,4	0.03	1.31		0.80		66.03	d	52.69	d	15.36		22.91	
Pentachlorobenzene	0.03	0.46		0.49		18.10		16.11		3.86		5.69	
Hexachlorobenzene	0.02	1.87		1.47		33.50	d	22.91		6.78		9.16	
Hexachlorocyclohexanes													
Alpha HCH	0.03	0.49		0.36		0.17		0.23		0.18		0.16	
Beta HCH	0.02	0.27		0.28		1.38		1.05		0.36		0.51	
Gamma HCH	0.01	0.15		0.07			ND		ND		ND	ND	
Delta HCH	0.03	0.09			ND	0.09		0.15		0.17		0.08	
Chlordane-related Compounds													
Heptachlor	0.01	0.44		0.49		1.57		1.17			ND	0.60	
Heptachlor Epoxide	0.02	6.88		8.89		67.65	d	36.44	d	22.92		11.52	
Oxychlordane	0.02	35.76		36.67		391.58	d	186.84	d	101.69	d	79.77	
Alpha Chlordane	0.02	3.77		6.02		34.48	d	33.70	d	15.54		11.04	
Gamma Chlordane	0.02	0.86		1.14		6.06		6.17		2.85		2.67	
Cis-Nonachlor	0.02	12.06		13.15		101.73	d	81.30	d	34.84		24.43	
Trans-Nonachlor	0.04	19.77		23.19		268.37	d	217.99	d	94.53	d	56.56	
Other Cyclodiene Pesticides													
Aldrin	0.02	0.21		0.26		4.17		0.23		1.39		0.11	
Dieldrin	0.02	14.18		20.09		102.00	d	62.19	d	27.66		28.60	
Endrin	0.04						ND		ND		ND	ND	
Pesticides		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	0.40	B	0.28	B	2.74		1.89		0.79		0.48	B
Chlorpyrifos	0.06	0.22		0.30		6.82		9.28		3.34		2.64	
Mirex	0.01	0.70		0.61		5.93		3.44		1.76		1.24	
Serial Number		NJT04-		NJT04-		NJT04-		NJT04-		NJT04-		NJT04-	

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number Species		MLRBCRT1 F-1478A CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	MLRBCRT1 F-1479A CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	LPCRT1 F-1480c CASAP Lower Passaic River @ Newark Bay	LPCRT1 F-1481a CASAP Lower Passaic River @ Newark Bay	LPCRT1 F-1482a CASAP Lower Passaic River @ Newark Bay	LPCRT1 F-1483a CASAP Lower Passaic River @ Newark Bay					
Location												
Average total length		14.14	13.02	15.98	15.28	14.44	13.06					
Endosulfan II	0.02	ND	ND	ND	ND	ND	ND					
DDTs and Related Compounds												
2,4' DDE	0.02	0.36	0.30	1.34	1.46	0.91	0.96					
4,4' DDE	0.06	89.58	d	78.21	d	771.23	d					
2,4' DDD	0.02	4.10	2.37	29.34	d	22.17	9.66					
4,4' DDD	0.01	42.89	d	37.73	d	343.54	d					
2,4' DDT	0.00	1.82	3.12	15.86	15.48	6.93	5.80					
4,4' DDT	0.01	1.00	0.71	20.90	d	23.26	28.43					
Individual PCBs (ng/g wet wt)		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	
PCB1*	0.02	0.64		1.03		0.49		0.11		0.11		
PCB7/9*	0.02		ND		ND	1.15		ND		ND		
PCB8/5	0.02	0.86		0.31		1.99		0.90		0.43		
PCB30*	0.02		ND		ND	1.75		1.22		0.51		
PCB18/17	0.02	0.77		0.79		2.67		3.72		0.91		
PCB15*	0.02	0.91		1.02		10.33		6.35		2.52		
PCB24/27*	0.02	0.12		0.11		0.52		0.86		0.46		
PCB16/32*	0.02	0.13		0.17		1.97		2.16		0.80		
PCB29	0.02	0.64		0.79		15.37	d	10.38		5.95		
PCB26*	0.02	0.17		0.17		14.43		2.15		1.10		
PCB25*	0.02	0.85		0.40		6.80		5.56		28.40		
PCB31*	0.02	0.64		0.35		13.90		3.03		7.62		
PCB28	0.02	25.53		15.14		245.88	d	152.13	d	63.52	d	
PCB33/20*	0.02		ND		ND	3.52		2.68		30.97	d	
PCB53*	0.02		ND		ND		ND	2.60				
PCB22/51*	0.02		ND		ND	2.72		3.52		35.35	d	
PCB45*	0.02		ND		ND		ND					
PCB46 *	0.02	0.20		0.33		7.09						
PCB39*	0.02		ND	0.15		2.00		0.95		0.30		
PCB69*	0.02	0.61		0.51		11.75		7.95		3.58		
PCB52	0.02	0.60		0.83		12.89		17.63		0.97		
PCB49*	0.02	0.88		0.90		8.13		14.08		6.83		
PCB47/75*	0.02	28.99		28.74		364.74	d	260.20	d	98.10	d	
PCB48*	0.02	2.13		2.62		6.46		17.43		7.19		
Serial Number		NJT04-		NJT04-		NJT04-		NJT04-		NJT04-		NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number	Species	Location	Average total length	MLRBCRT1 F-1478A CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill 14.14	MLRBCRT1 F-1479A CASAP Mid-lower Raritan Bay @ Raritan beach/Chapel Hill 13.02	LPCRT1 F-1480c CASAP Lower Passaic River @ Newark Bay 15.98	LPCRT1 F-1481a CASAP Lower Passaic River @ Newark Bay 15.28	LPCRT1 F-1482a CASAP Lower Passaic River @ Newark Bay 14.44	LPCRT1 F-1483a CASAP Lower Passaic River @ Newark Bay 13.06			
PCB44	0.02		0.49	0.44	ND	ND	ND	ND	ND			
PCB42/59/37*	0.02		1.56	1.53	3.67	17.24	7.67	8.60				
PCB72*	0.02	B	0.06	3.48	8.83	1.70	18.95	d	0.44	B		
PCB41/64*	0.02		0.78	0.50	7.38	21.34	ND	2.89				
PCB40*	0.02		0.48	0.69	6.67	4.03	1.58	1.55				
PCB67*	0.02		2.31	3.06	41.83	42.38	d	13.05	13.01			
PCB63*	0.02		ND	ND	ND	ND	ND	ND	ND			
PCB74/61*	0.02		38.85	30.18	363.98	229.80	d	99.68	d	97.63	d	
PCB70*	0.02		5.30	5.58	57.14	42.00	d	31.49	10.60			
PCB66	0.02		37.67	28.08	342.00	220.36	d	96.37	d	92.82	d	
PCB95/80*	0.02		4.36	4.53	7.70	11.13	4.76	5.61				
PCB55/91*	0.02		7.75	11.24	49.53	38.99	d	20.21	17.28			
PCB56/60*	0.02		9.07	6.89	119.35	95.51	d	45.19	d	40.24	d	
PCB92*	0.02		21.27	33.34	107.41	87.57	d	15.38	d	17.63	d	
PCB84*	0.02		1.26	1.25	6.60	5.53	3.95	1.92				
PCB101/90	0.02		4.10	3.20	56.22	82.36	d	17.78	10.21			
PCB99*	0.02		66.59	d	72.51	d	568.50	d	167.05	d	146.35	d
PCB119*	0.02		6.18	6.98	73.10	d	59.56	d	18.69	17.13		
PCB83*	0.02		44.56	37.00	373.07	d	212.90	d	76.63	d	71.53	d
PCB97*	0.02		0.99	0.39	2.97	9.61	2.96	0.69				
PCB87/115	0.02		1.49	1.25	16.22	12.32	7.61	4.81				
PCB85*	0.02		9.59	8.37	164.83	d	99.00	d	33.04	d	31.56	d
PCB136*	0.02		2.09	0.27	8.19	9.51	8.68	3.54				
PCB110/77	0.02		5.32	2.21	33.06	d	39.60	d	13.27	9.10		
PCB82*	0.02		2.91	2.60	13.63	8.97	5.00	2.93				
PCB151*	0.02		ND	ND	ND	ND	6.00	1.09			ND	
PCB135*	0.02		ND	0.55	4.47	5.70	2.16	0.93				
PCB107*	0.02		4.06	4.32	61.80	d	37.48	d	11.70	8.74		
PCB149/123*	0.02		5.70	5.55	53.94	d	48.98	d	18.40	15.47		
PCB118	* 0.02		56.49	d	49.31	d	493.94	d	317.51	d	130.67	d
PCB114*	* 0.02		ND	ND	ND	ND	ND	ND	ND	ND	ND	
PCB146*	0.02		12.28	13.64	112.64	d	101.21	d	36.30	d	27.18	d
PCB153/132	0.02		106.27	d	104.85	d	837.43	d	588.61	d	225.33	d
PCB105	* 0.02		20.35	13.32	144.06	d	102.90	d	38.00	d	34.33	d
PCB141/179*	0.02		1.10	1.55	9.02	13.92	5.62	2.83				
PCB130*	0.02		3.74	3.20	31.81	d	24.48	8.59	8.13			

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-MLRBCRT1		NJT04-MLRBCRT1		NJT04-LPCRT1		NJT04-LPCRT1		NJT04-LPCRT1		NJT04-LPCRT1	
First fish analytical number		F-1478A		F-1479A		F-1480c		F-1481a		F-1482a		F-1483a	
Species		CASAP		CASAP		CASAP		CASAP		CASAP		CASAP	
Location		Mid-lower Raritan Bay @ Raritan beach/Chapel Hill		Mid-lower Raritan Bay @ Raritan beach/Chapel Hill		Lower Passaic River @ Newark Bay		Lower Passaic River @ Newark Bay		Lower Passaic River @ Newark Bay		Lower Passaic River @ Newark Bay	
Average total length		14.14		13.02		15.98		15.28		14.44		13.06	
PCB176/137*	0.02	0.62		0.66		7.34		9.42		2.99		1.72	
PCB138 /160	0.03	47.18	d	50.09	d	473.43	d	346.98	d	125.15	d	100.87	d
PCB158**	0.02	7.20		6.76		93.41	d	72.30	d	24.64		23.23	
PCB129**	0.02	0.64		0.68		1.59		1.74		0.75		0.48	
PCB178**	0.02	1.02		3.71		31.21	d	26.48	d	9.71		8.26	
PCB166**	0.02	0.28		0.22		2.07		1.42		0.60		0.38	
PCB175**	0.02	1.40		1.44		11.42		10.90		3.90		3.44	
PCB187	0.02	19.44		20.44		220.17	d	195.90	d	72.15	d	47.01	d
PCB183**	0.02	9.27		8.19		88.75	d	74.62	d	26.02		23.95	
PCB128	0.01	8.86		8.14		68.80	d	48.59	d	17.08		18.02	
PCB167**	0.02	5.21		4.67		34.07	d	25.62		8.75		7.85	
PCB185**	0.02		ND		ND	1.79		2.29		0.54		0.46	
PCB174**	0.02	0.17		0.13		1.57		2.71		2.02		0.36	
PCB177**	0.02	1.15		1.26		13.07		17.33		5.78		3.63	
PCB171/202**	0.02	3.63		5.57		39.90	d	34.77	d	12.03		10.20	
PCB156**	0.02	8.58		6.26		76.83	d	54.58	d	21.58		19.00	
PCB201/157/173**	0.01	3.14		3.13		26.19	d	18.27		6.89		6.81	
PCB172**	0.01	1.19		1.57		24.80	d	17.49		6.47		4.49	
PCB197**	0.02	0.43		0.42		2.49		2.30		0.83		0.73	
PCB180	0.01	42.09	d	36.62	d	580.79	d	418.64	d	148.26	d	101.26	d
PCB193**	0.02	1.83		1.82		17.01		15.09		5.10		4.73	
PCB191**	0.02	1.22		1.20		15.43		11.83		4.82		3.56	
PCB200**	0.02	0.19		0.17		1.54		1.35		0.65		0.22	
PCB170/190	0.02	8.75		7.52		108.37	d	84.73	d	31.62		26.19	
PCB199**	0.02	5.06		5.86		70.53	d	65.25	d	19.69		13.55	
PCB203/196**	0.02	6.48		6.06		70.99	d	61.27	d	21.16		16.70	
PCB189**	0.02	0.87	B	0.74	B	4.48		3.81		1.64	B	1.37	B
PCB195/208	0.01	2.78		2.99		25.12	d	16.79		6.95		5.05	
PCB207**	0.02	0.51		0.53		2.21		2.11		0.80		0.59	
PCB194**	0.02	3.63		3.34		50.77	d	39.96	d	14.50		10.05	
PCB205**	0.02	0.92	B	0.87	B	3.83		2.72	B	1.34	B	1.18	B
PCB206	0.01	3.09	B	3.11	B	17.75		12.50		5.02		3.79	
PCB209	0.01	2.53	B	2.86	B	10.44		7.12		3.43	B	2.67	B

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-MLRBCRT1	NJT04-MLRBCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1					
First fish analytical number	F-1478A	F-1479A	F-1480c	F-1481a	F-1482a	F-1483a					
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP					
Location	Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay					
Average total length	14.14	13.02	15.98	15.28	14.44	13.06					
<u>WHO PCBs</u>		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
<u>Planar PCBs</u>											
PCB 77 (CL4)	3.63		2.29		20.61		15.81		8.32		10.86
PCB 81 (CL4)		ND	0.09		0.50		0.37		0.39		0.27
PCB 126 (CL5)	0.09		0.09		0.85		0.72		0.21		0.19
PCB 169 (CL6)	0.02		0.01		0.08		0.04		0.02		ND
<u>Mono-Ortho PCBs-</u>											
<u>(Planar PCBs; ng/g wet wt)</u>											
PCB 105 (CL5)	19.52		12.70		98.91		90.78		51.24		44.94
PCB 114 (CL5)	0.90		0.77		8.48		6.53		3.65		2.89
PCB 118 (CL5)	78.83		65.10		245.07		343.84		185.38		136.57
PCB 123 (CL5)	1.21		4.90		25.34		5.19		2.52		3.00
PCB 156 (CL6)	4.66		4.02		32.10		28.50		14.36		10.88
PCB 157 (CL6)	1.20		1.11		5.89		5.21		2.40		1.89
PCB 167 (CL6)	3.57		3.87		18.57		16.51		8.10		5.97
PCB 189 (CL7)	0.65		0.43		4.24		3.47		1.60		1.31
<u>PCDD/PCDF Compounds (pg/g wet wt)</u>		Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
2,3,7,8-TCDF	27.9		27.8		51.9		ND		ND		34.1
1,2,3,7,8-PeCDF		ND		ND		ND		ND		ND	2.0
2,3,4,7,8-PeCDF		ND		ND		ND	13.9		ND		9.1
1,2,3,4,7,8-HxCDF		ND		ND	37.3		44.9		17.9		15.4
1,2,3,6,7,8-HxCDF		ND		ND	5.3		5.4	L		ND	ND
2,3,4,6,7,8-HxCDF		ND		ND		ND		ND	4.4	L	ND
1,2,3,7,8,9-HxCDF		ND		ND		ND		ND		ND	ND
1,2,3,4,6,7,8-HpCDF		ND		ND	7.5		8.7			ND	5.5
1,2,3,4,7,8,9-HpCDF		ND		ND		ND	0.5	L		ND	ND
OCDF		ND		ND		ND		ND		ND	ND
2,3,7,8-TCDD		ND		ND	377.1		394.3		265.5		228.5
1,2,3,7,8-PeCDD		ND		ND		ND		ND	1.2	L	4.2
1,2,3,4,7,8-HxCDD		ND		ND		ND		ND	2.2	L	ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-MLRBCRT1	NJT04-MLRBCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1	NJT04-LPCRT1
First fish analytical number	F-1478A	F-1479A	F-1480c	F-1481a	F-1482a	F-1483a	
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP	
Location	Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	Mid-lower Raritan Bay @ Raritan beach/Chapel Hill	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay	Lower Passaic River @ Newark Bay
Average total length	14.14	13.02	15.98	15.28	14.44	13.06	
1,2,3,6,7,8-HxCDD	ND	ND	ND	ND	ND	ND	1.5
1,2,3,7,8,9-HxCDD	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDD	ND	2.6	L	ND	4.5	L	39.4
OCDD	13.8	L	18.4	L	ND	ND	ND

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Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-LPCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1
First fish analytical number	F-1484A	F-1485a	F-1486a	F-1487a	F-1485a	F-1486a
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP
Location	Lower Passaic River @ Newark Bay	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill
Average total length	14.14	15.20	13.56	12.86	15.20	13.56
Client Sample ID	3383 H	3390 H	3391 H	3392 H	3390 M	3391 M
Organism	Crab	Crab	Crab	Crab	Crab	Crab
Tissue	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Muscle	Muscle
GERG ID	C45231	C45408	C45409	C45410	C45437	C45438
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	EC165	F1186	F1186	F1186	F1186	F1186
Dry Weight	1.20	1.09	1.15	0.58	2.71	3.04
Wet Weight	6.85	6.00	4.30	2.30	14.98	14.87
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	17.5	18.2	26.6	25.2	18.1	20.5
% Lipid	19.9	14.8	23.3	22.7	0.5	0.3
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1472	T1472	T1472	T1472	T1473	T1473
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	12/1/2004	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005
Extraction Date	2/21/2005	2/21/2005	2/21/2005	2/21/2005	3/8/2005	3/8/2005
Analysis Date	3/2/2005	3/2/2005	3/2/2005	3/2/2005	3/18/2005	3/18/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	81.5	74.3	75.2	79.2	77.9	83.4
PCB103**	80.8	70.2	70.5	86.7	81.1	86.3
PCB198	86.2	85.9	85.9	83.9	77.4	84.4
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	1969.20	5229.47	7864.82	2573.63	81.07	38.27
Total PCBs (NOAA Status & Trends)	1962.56	5214.23	7746.93	2503.08	79.77	37.76
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number	LPCRTI	HRCRTI	HRCRTI	HRCRTI	HRCRTI	HRCRTI	HRCRTI						
Species	F-1484A	F-1485a	F-1486a	F-1487a	F-1485a	F-1486a	F-1486a						
Location	CASAP Lower Passaic River @ Newark Bay	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill						
Average total length	14.14	15.20	13.56	12.86	15.20	13.56							
Total DDX	279.12	856.65	830.96	453.04	14.87	4.83							
Total all chlordane-related compounds	212.65	527.06	593.24	198.59	7.48	2.37							
Total Hg (ug/g wet wt; ANSP)	0.09	0.13	0.16	0.11	0.43	0.35							
<i>Pesticides (ng/g wet wt)</i>	MEQLs	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Chlorinated Benzenes													
Tetrachlorobenzene 1,2,4,5	0.05	14.55		54.05	d	122.57	d	66.73		2.17		1.50	
Tetrachlorobenzene 1,2,3,4	0.04	20.81		94.13	d	175.97	d	103.72	d	6.16		3.87	
Pentachlorobenzene	0.04	5.71		20.76		40.62		17.23		1.15		0.65	
Hexachlorobenzene	0.02	9.24		24.51		43.41		15.40		0.97		0.50	
Hexachlorocyclohexanes													
Alpha HCH	0.01	0.11		0.21		0.31		0.45		0.06		0.06	
Beta HCH	0.02	0.48		0.87		1.34		0.73		0.03		0.02	
Gamma HCH	0.03		ND		ND		ND		ND	0.01		0.00	
Delta HCH	0.01	0.07		0.23		0.43		0.53			ND		ND
Chlordane-related Compounds													
Heptachlor	0.03	2.14		0.95		1.73		3.05		0.06		0.02	
Heptachlor Epoxide	0.02	15.37		40.08	d	39.64		14.09		0.38		0.13	
Oxychlordane	0.03	102.02	d	233.69	d	239.71	d	83.57		3.56		1.05	
Alpha Chlordane	0.02	9.41		7.06		25.95		9.58		0.14		0.11	
Gamma Chlordane	0.02	2.66		3.54		5.43		3.24		0.09		0.02	
Cis-Nonachlor	0.02	23.57		66.95	d	78.89	d	26.50		0.97		0.31	
Trans-Nonachlor	0.04	57.47	d	174.79	d	201.90	d	58.56		2.27		0.72	
Other Cyclodiene Pesticides													
Aldrin	0.02	0.50		0.95		1.99		0.87		0.07		0.05	
Dieldrin	0.05	27.81	d	33.02		88.11	d	34.29		1.08		0.70	
Endrin	0.04		ND		ND		ND		ND	0.03		J	ND
			DB		DB		DB		DB		DB		DB
Pesticides		Concentration	QUAL	Concentration	QUAL	Concentration	QUAL	Concentration	QUAL	Concentration	QUAL	Concentration	QUAL
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	0.57	B	1.49		2.79		1.20		0.05		0.04	
Chlorpyrifos	0.06	2.49		3.78		4.96		2.39			ND		ND
Mirex	0.01	1.61		2.68		3.90		1.69		0.07		0.02	
Endosulfan II	0.02		ND		ND		ND		ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-LPCRT1		NJT04-HRCRT1		NJT04-HRCRT1		NJT04-HRCRT1		NJT04-HRCRT1		NJT04-HRCRT1	
First fish analytical number		F-1484A		F-1485a		F-1486a		F-1487a		F-1485a		F-1486a	
Species		CASAP Lower Passaic River @ Newark Bay		CASAP Hackensack River @ Laurel Hill		CASAP Hackensack River @ Laurel Hill		CASAP Hackensack River @ Laurel Hill		CASAP Hackensack River @ Laurel Hill		CASAP Hackensack River @ Laurel Hill	
Location													
Average total length		14.14		15.20		13.56		12.86		15.20		13.56	
DDTs and Related Compounds													
2,4'DDE	0.02	0.47		1.10		3.40		0.90		0.04		0.01	
4,4'DDE	0.06	192.48	d	624.92	d	583.52	d	332.31	d	10.54		3.24	
2,4'DDD	0.03	8.12		21.15		22.65		14.22		0.28		0.10	
4,4'DDD	0.01	68.06	d	190.33	d	198.67	d	93.16	d	3.80		1.40	
2,4'DDT	0.00	6.05		14.76		17.64		8.74		0.20		0.07	
4,4'DDT	0.04	3.93		4.40		5.09		3.72		0.00	J	0.01	
Individual PCBs (ng/g wet wt)													
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02	0.33		1.33		3.03		1.22			ND		ND
PCB7/9*	0.02		ND		ND	0.72			ND		ND		ND
PCB8/5	0.02	0.52		0.65		1.00		0.66		0.12		0.17	
PCB30*	0.02	0.68		1.20		2.03		1.09			ND		ND
PCB18/17	0.02	0.73		1.60		2.53		1.70		0.05		0.02	
PCB15**	0.02	2.88		3.17		6.82		4.05			ND		ND
PCB24/27**	0.02	0.03		0.61		1.92		0.31			ND		ND
PCB16/32**	0.02	0.68		1.12		1.93		0.80		0.04			ND
PCB29	0.02	4.68		2.80		5.76		3.65			ND		ND
PCB26**	0.02	0.46		1.54		2.14		1.49		0.03			ND
PCB25**	0.02	2.05		3.05		5.23		2.97		0.06		0.07	
PCB31**	0.02	0.90		1.69		3.12		2.79		0.04		0.04	
PCB28	0.02	66.33	d	96.09	d	244.44	d	84.83	d	2.91		2.21	
PCB33/20**	0.02	0.60		1.02		1.36			ND	0.00	J		ND
PCB53**	0.02		ND		ND		ND		ND		ND		ND
PCB22/51**	0.02	0.94		1.63		2.71		2.25		0.01	J		ND
PCB45**	0.02	0.12		0.39		0.70		0.14			ND		ND
PCB46 *	0.03		ND		ND		ND		ND		ND		ND
PCB39**	0.02	0.50		0.69		1.30		0.98			ND		ND
PCB69**	0.02	3.86		3.75		4.88		3.97		0.03		0.06	
PCB52	0.02	5.08		9.43		18.83		10.68		0.29		0.11	
PCB49**	0.02	1.77		6.81		11.27		5.39		0.14	B	0.06	B
PCB47/75**	0.02	106.12	d	261.85	d	511.66	d	127.92	d	6.37		3.27	
PCB48**	0.02	3.70		8.65		21.63		5.97		0.37		0.20	
PCB44	0.02	0.97		1.70		1.52		1.41		0.27		0.21	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-LPCRT1		NJT04-HRCRT1		NJT04-HRCRT1		NJT04-HRCRT1		NJT04-HRCRT1		NJT04-HRCRT1
First fish analytical number		F-1484A		F-1485a		F-1486a		F-1487a		F-1485a		F-1486a
Species		CASAP		CASAP		CASAP		CASAP		CASAP		CASAP
Location		Lower Passaic		Hackensack		Hackensack		Hackensack		Hackensack		Hackensack
Average total length		River @ Newark Bay		River @ Laurel Hill		River @ Laurel Hill		River @ Laurel Hill		River @ Laurel Hill		River @ Laurel Hill
		14.14		15.20		13.56		12.86		15.20		13.56
PCB42/59/37*	0.02	8.65		11.40		21.49		11.61		0.19		0.08
PCB72*	0.02		ND	1.85	B	1.74	B	3.39	B		ND	ND
PCB41/64*	0.02	5.06		10.00		21.60		9.36		0.28		0.05
PCB40*	0.02	1.63		4.08		4.46		1.76		0.07		0.01
PCB67*	0.02	11.22		23.94		23.13		13.05		0.45		0.16
PCB63*	0.02		ND		ND		ND		ND		ND	ND
PCB74/61*	0.02	107.78	d	245.71	d	523.75	d	143.81	d	5.81		3.34
PCB70*	0.02	18.31		85.65	d	70.21	d	24.20		0.75		0.18
PCB66	0.02	98.85	d	232.61	d	551.47	d	135.23	d	5.65		3.34
PCB95/80*	0.02	3.08		9.46		10.68		9.67		0.98		0.49
PCB55/91*	0.02	19.73		42.12	d	50.38	d	24.50		0.67		0.18
PCB56/60*	0.02	41.03	d	89.64	d	173.46	d	47.04		1.91		1.27
PCB92*	0.02	16.97	d	45.33	d	38.93	d	17.13	d	0.82		0.31
PCB84*	0.02	2.87		7.07		7.15		4.10		0.13		0.07
PCB101/90	0.02	11.40		57.00	d	73.83	d	22.84		0.86		0.26
PCB99*	0.02	179.47	d	535.79	d	894.73	d	250.20	d	7.17		3.28
PCB119*	0.02	17.79		62.99	d	86.33	d	20.21		0.70		0.28
PCB83*	0.02	97.12	d	201.59	d	174.57	d	167.70	d	2.25		0.74
PCB97*	0.02	0.80		2.36		5.99		3.18		0.04		0.01
PCB87/115	0.03	4.89		14.25		25.55		7.25		0.35		0.17
PCB85*	0.02	36.32	d	137.90	d	233.61	d	28.08		1.04		0.53
PCB136*	0.02	4.64		12.03		16.88		6.59		0.24		0.16
PCB110/77	0.02	9.52		20.56		40.84		17.81		0.41		0.20
PCB82*	0.02	2.98		11.64		10.36		3.73		0.08		0.03
PCB151*	0.02		ND	0.65		1.30		0.42			ND	ND
PCB135*	0.02	0.80		1.72		3.92		1.82		0.10	B	0.09
PCB107*	0.02	10.97		43.92	d	75.49	d	16.65		0.61		0.32
PCB149/123*	0.02	14.10		41.14	d	67.05	d	26.00		0.58		0.24
PCB118	* 0.02	140.26	d	396.43	d	661.74	d	186.74	d	8.68		3.72
PCB114*	* 0.02		ND		ND		ND		ND		ND	ND
PCB146*	0.02	37.44	d	109.09	d	133.73	d	48.79		1.33		0.49
PCB153/132	0.03	250.66	d	648.05	d	811.44	d	300.81	d	7.80		3.07
PCB105	* 0.01	35.98	d	111.55	d	179.50	d	51.90		2.37		1.21
PCB141/179*	0.02	2.23		7.18		6.85		3.28		0.37		0.15
PCB130*	0.02	8.66		28.38		36.53		13.38		0.37		0.14
PCB176/137*	0.02	2.49		7.07		10.02		3.90		0.06		0.02
PCB138/160	0.03	124.39	d	353.22	d	473.09	d	168.34	d	4.09		1.79

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-LPCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1
First fish analytical number		F-1484A	F-1485a	F-1486a	F-1487a	F-1485a	F-1485a	F-1486a	
Species		CASAP Lower Passaic River @ Newark Bay	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	
Location		Newark Bay	Hill	Hill	Hill	Hill	Hill	Hill	
Average total length		14.14	15.20	13.56	12.86	15.20	15.20	13.56	
PCB158*	0.02	26.38	82.98	d	106.88	d	31.61	1.09	0.46
PCB129*	0.02	0.53	1.29		2.90		0.92	0.03	J
PCB178*	0.02	10.08	23.73		25.18		11.76	0.39	
PCB166*	0.02	0.77	2.30		2.84		1.09	0.03	
PCB175*	0.02	4.17	11.87		12.67		5.81	0.19	B
PCB187	0.02	63.17	d	184.37	d	198.20	d	76.04	1.70
PCB183 *	0.02	26.91	64.26	d	76.00	d	31.42	0.62	0.25
PCB128	0.01	19.04	53.97	d	79.88	d	27.42	0.68	0.30
PCB167*	0.02	9.55	29.67		37.40		15.13	0.41	0.15
PCB185 *	0.02	0.85	2.03		2.70		0.40	0.02	0.00
PCB174*	0.02	0.43	1.61		1.92		1.13	0.01	J
PCB177*	0.02	5.16	10.38		13.26		5.58	0.13	0.04
PCB171/202*	0.02	11.45	20.22		25.94		14.52	0.37	0.15
PCB156*	0.02	22.21	58.29	d	81.19	d	27.49	0.93	0.36
PCB201/157/173*	0.01	7.60	20.34		27.66		10.56	0.28	0.11
PCB172*	0.01	5.38	13.69		16.03		5.18	0.21	B
PCB197*	0.02	0.86	1.78		2.34		0.92	0.03	0.02
PCB180	0.01	124.17	d	381.95	d	450.04	d	134.58	d
PCB193*	0.02	5.34	13.41		13.71		5.74	0.20	0.05
PCB191*	0.02	4.78	14.25		16.15		5.88	0.17	0.05
PCB200*	0.02	0.56	1.74		2.12		0.57	0.04	0.05
PCB170/190	0.02	26.74	54.79	d	79.68	d	29.06	0.52	0.27
PCB199*	0.02	15.95	59.59	d	77.11	d	17.06	0.50	0.25
PCB203/196*	0.02	17.62	43.19	d	59.27	d	18.20	0.33	0.16
PCB189*	0.02	1.39	B	3.05	4.30	1.95	B	0.02	ND
PCB195/208	0.01	5.23	9.20		16.39		8.17	0.12	0.06
PCB207*	0.02	0.79	1.68		2.69		1.31	0.05	0.04
PCB194*	0.02	10.60	24.32		35.20		10.32	0.17	0.09
PCB205 *	0.02	1.26	B	2.73	4.09	3.03	B	0.07	0.08
PCB206	0.01	4.18	7.52		15.17		5.49	0.07	0.05
PCB209	0.01	3.57	B	7.01	14.73	5.64		0.16	

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<u>WHO PCBs</u>		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
<u>Planar PCBs</u>													
PCB 77 (CL4)		10.61		17.45		34.18		15.31		0.17		0.04	
PCB 81 (CL4)		0.15		0.68		1.34		0.59		0.01			ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-LPCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1	NJT04-HRCRT1
First fish analytical number:	F-1484A	F-1485a	F-1486a	F-1487a	F-1485a	F-1486a	
Species	CASAP Lower Passaic River @ Newark Bay	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill	CASAP Hackensack River @ Laurel Hill
Location							
Average total length	14.14	15.20	13.56	12.86	15.20	13.56	
PCB 126 (CL5)	0.34	0.45	0.67	0.59	0.01		0.01
PCB 169 (CL6)	0.03	0.07	0.08	0.03		ND	ND
<i>Mono-Ortho PCBs-</i>							
<i>(Planar PCBs; ng/g wet wt)</i>							
PCB 105 (CL5)	40.45	105.15	197.15	70.96	2.01		0.55
PCB 114 (CL5)	3.10	7.97	15.46	5.14	0.15		0.04
PCB 118 (CL5)	155.62	469.88	634.24	267.22	7.73		1.71
PCB 123 (CL5)	2.35	7.20	13.82	4.30	0.16		0.03
PCB 156 (CL6)	12.25	33.14	44.86	16.11	0.30		0.14
PCB 157 (CL6)	2.31	6.38	9.36	3.79	0.05		0.01
PCB 167 (CL6)	7.53	18.53	25.98	11.19	0.16		0.07
PCB 189 (CL7)	1.31	2.76	4.17	1.45	0.04		0.01
<u>PCDD/PCDF Compounds (pg/g wet wt)</u>							
	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
2,3,7,8-TCDF	90.3	62.5	278.5	70.3	1.6		ND
1,2,3,7,8-PeCDF	5.5	L	ND	7.1	L	ND	0.8
2,3,4,7,8-PeCDF		ND	34.4	38.1	L	21.2	L
1,2,3,4,7,8-HxCDF	12.2		108.3	102.5		34.9	L
1,2,3,6,7,8-HxCDF	6.4	L	6.5	10.1	L		ND
2,3,4,6,7,8-HxCDF		ND			ND		ND
1,2,3,7,8,9-HxCDF		ND			ND		ND
1,2,3,4,6,7,8-HpCDF	26.4		25.4	38.7		14.2	L
1,2,3,4,7,8,9-HpCDF		ND		0.9	L		ND
OCDF	44.0				ND		ND
2,3,7,8-TCDD	174.5		186.2	186.9		191.3	5.3
1,2,3,7,8-PeCDD		ND		3.8	L		ND
1,2,3,4,7,8-HxCDD		ND	1.0		ND		ND
1,2,3,6,7,8-HxCDD		ND			ND		ND
1,2,3,7,8,9-HxCDD		ND			ND		ND
1,2,3,4,6,7,8-HpCDD	7.5		7.6	2.9	L		ND
OCDD	57.7		121.7	11.4	L	39.1	L

Summary of Chemical Contaminant Concentrations: Task II

Serial Number First fish analytical number Species	NJT04- HRCRT1 F-1487a CASAP	NJT04- UPCRT1 F-1488a CASAP	NJT04- UPCRT1 F-1489a CASAP	NJT04- UPCRT1 F-1490a CASAP	NJT04- UPCRT1 F-1491a CASAP	NJT04- UPCRT1 F-1492a CASAP
Location Average total length	Hackensack River @ Laurel Hill 12.86	Upper Tidal Passaic River @ Kearny 15.28	Upper Tidal Passaic River @ Kearny 12.72	Upper Tidal Passaic River @ Kearny 12.44	Upper Tidal Passaic River @ Kearny 12.98	Upper Tidal Passaic River @ Kearny 11.68
Client Sample ID	3392 M	3393 M	3394 M	3395 M	3422 M	3423 M
Organism	Crab	Crab	Crab	Crab	Crab	Crab
Tissue	Muscle	Muscle	Muscle	Muscle	Muscle	Muscle
GERG ID	C45439	C45440	C45441	C45442	C45443	C45444
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	F1186	F1186	F1186	F1186	F1186	F1186
Dry Weight	3.19	2.44	2.75	3.06	2.63	3.17
Wet Weight	15.07	15.11	14.80	14.45	15.16	14.78
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	21.2	16.2	18.6	21.2	17.4	21.4
% Lipid	0.5	0.5	1.2	1.0	1.4	1.1
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1473	T1473	T1473	T1473	T1473	T1473
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005
Extraction Date	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005
Analysis Date	3/18/2005	3/18/2005	3/18/2005	3/18/2005	3/18/2005	3/18/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	83.2	84.2	82.0	93.1	85.4	85.1
PCB103**	85.8	87.8	84.8	95.4	90.5	88.1
PCB198	83.4	85.6	83.0	93.5	87.8	85.9
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	21.45	27.40	51.65	22.10	72.27	37.33
Total PCBs (NOAA Status & Trends)	20.58	29.35	50.81	22.35	76.96	39.48
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number Species		HRCRT1 F-1487a CASAP Hackensack River @ Laurel Hill	UPCRT1 F-1488a CASAP Upper Tidal Passaic River @ Kearny	UPCRT1 F-1489a CASAP Upper Tidal Passaic River @ Kearny	UPCRT1 F-1490a CASAP Upper Tidal Passaic River @ Kearny	UPCRT1 F-1491a CASAP Upper Tidal Passaic River @ Kearny	UPCRT1 F-1492a CASAP Upper Tidal Passaic River @ Kearny						
Location													
Average total length		12.86	15.28	12.72	12.44	12.98	11.68						
Total DDX		4.08	12.39	12.77	8.49	11.83	14.12						
Total all chlordane-related compounds		1.65	4.88	9.48	6.20	11.66	7.77						
Total Hg (ug/g wet wt; ANSP)		0.25	0.18	0.11	0.13	0.17	0.17						
<i>Pesticides (ng/g wet wt)</i>	MEQLs	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Chlorinated Benzenes													
Tetrachlorobenzene 1,2,4,5	0.05	1.82		0.12		0.13		0.11		0.15		0.14	
Tetrachlorobenzene 1,2,3,4	0.04	4.34		0.25		0.30		0.24		0.31		0.24	
Pentachlorobenzene	0.04	0.63		0.10		0.08		0.09		0.15		0.09	
Hexachlorobenzene	0.02	0.43		0.13		0.21		0.13		0.39		0.17	
Hexachlorocyclohexanes													
Alpha HCH	0.01	0.06		0.06		0.07		0.06		0.07		0.07	
Beta HCH	0.02	0.01		0.02		0.02		0.01	J	0.03		0.02	
Gamma HCH	0.03	0.00	J	0.01		0.01		0.01		0.01		0.01	
Delta HCH	0.01		ND		ND		ND		ND		ND		ND
Chlordane-related Compounds													
Heptachlor	0.03	0.03			ND	0.01			ND	0.03		0.02	
Heptachlor Epoxide	0.02	0.11		0.42		0.68		0.58		1.00		0.61	
Oxychlordane	0.03	0.68		2.23		5.17		2.83		5.67		4.00	
Alpha Chlordane	0.02	0.10		0.27		0.49		0.47		0.47		0.46	
Gamma Chlordane	0.02	0.04		0.03		0.07		0.08		0.08		0.07	
Cis-Nonachlor	0.02	0.22		0.50		0.78		0.58		1.13		0.68	
Trans-Nonachlor	0.04	0.47		1.43		2.29		1.65		3.28		1.93	
Other Cyclo diene Pesticides													
Aldrin	0.02	0.03		0.04		0.11		0.04		0.15		0.12	
Dieldrin	0.05	0.49		0.74		1.51		1.21		1.75		1.67	
Endrin	0.04		ND		ND		ND		ND	0.14		0.09	
Pesticides		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	0.04		0.02		0.03		0.03		0.03		0.03	
Chlorpyrifos	0.06		ND		ND	0.04		0.05		ND		0.06	
Mirex	0.04	0.02		0.09		0.14		0.07		0.12		0.11	
Endosulfan II	0.02		ND		ND		ND		ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-HRCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	
First fish analytical number		F-1487a	F-1488a	F-1489a	F-1490a	F-1491a	F-1492a		
Species		CASAP Hackensack River @ Laurel Hill	CASAP Upper Tidal Passaic River @ Kearny	CASAP Upper Tidal Passaic River @ Kearny	CASAP Upper Tidal Passaic River @ Kearny	CASAP Upper Tidal Passaic River @ Kearny	CASAP Upper Tidal Passaic River @ Kearny		
Location									
Average total length		12.86	15.28	12.72	12.44	12.98	11.68		
DDTs and Related Compounds									
2,4'DDE	0.02	0.01	0.02	0.05	0.02	0.02	0.01	J	
4,4'DDE	0.06	2.75	8.04	7.62	5.17	7.31	9.19		
2,4'DDD	0.07	0.06	0.08	0.23	0.05	0.28	0.12		
4,4'DDD	0.01	1.19	4.02	4.46	2.96	3.77	4.48		
2,4'DDT	0.09	0.05	0.12	0.17	0.12	0.25	0.15		
4,4'DDT	0.04	0.02	0.11	0.25	0.17	0.21	0.18		
Individual PCBs (ng/g wet wt)									
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02		ND		ND		ND		ND
PCB7/9*	0.02		ND		ND		ND		ND
PCB8/5	0.02	0.18		0.14		0.13		0.10	
PCB30*	0.02		ND		ND		ND		ND
PCB18/17	0.02	0.04			ND		ND		ND
PCB15*	0.02		ND		ND		ND		ND
PCB24/27*	0.02		ND		ND		ND		ND
PCB16/32*	0.02	0.02			ND	J	0.01	J	0.01
PCB29	0.02		ND		ND		ND		ND
PCB26*	0.02	0.02			ND		ND		ND
PCB25*	0.02	0.02		0.13		0.31		0.30	
PCB31*	0.02	0.05		0.03		0.02		0.01	
PCB28	0.02	1.55		1.44		2.50		4.01	
PCB33/20*	0.02		ND		ND	0.01	J		ND
PCB53*	0.02		ND		ND		ND		ND
PCB22/51*	0.02		ND		ND		ND		ND
PCB45*	0.02		ND		ND		ND		ND
PCB46*	0.02		ND		ND		ND		ND
PCB39*	0.02		ND		ND		ND		ND
PCB69*	0.02	0.06		0.04		0.06		0.04	
PCB52	0.02	0.17		0.10		0.14		0.06	
PCB49*	0.02	0.10	B	0.04	B	0.03	B	0.07	B
PCB47/75*	0.02	1.39	B	1.47	B	6.34	B	5.24	B
PCB48*	0.02	0.11		0.22		0.56		0.58	
PCB44	0.02	0.21		0.22		0.21		0.20	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-HRCRT1		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-UPCRT1
First fish analytical number		F-1487a		F-1488a		F-1489a		F-1490a		F-1491a		F-1492a
Species		CASAP Hackensack River @ Laurel Hill		CASAP Upper Tidal Passaic River @ Kearny		CASAP Upper Tidal Passaic River @ Kearny		CASAP Upper Tidal Passaic River @ Kearny		CASAP Upper Tidal Passaic River @ Kearny		CASAP Upper Tidal Passaic River @ Kearny
Location												
Average total length		12.86		15.28		12.72		12.44		12.98		11.68
PCB42/59/37*	0.02	0.12		0.07		0.18		0.10		0.23		0.13
PCB72*	0.02		ND		ND		ND		ND		ND	ND
PCB41/64*	0.02	0.16			ND		ND		ND		ND	ND
PCB40*	0.02	0.01		0.04		0.09		0.05		0.10		0.07
PCB67*	0.02	0.12		0.20		1.16		0.15		0.70		0.35
PCB63*	0.02		ND		ND		ND		ND		ND	ND
PCB74/61*	0.02	1.66		1.27	B	1.29		1.08	B	3.23		1.68
PCB70*	0.02	0.29		0.22		0.25		0.17		0.53		0.28
PCB66	0.02	1.68		1.40		1.98		1.06		3.36		1.81
PCB95/80*	0.02	0.24		0.23		0.32		0.22		0.52		0.17
PCB55/91*	0.02	0.19		0.21		0.34		0.30		0.59		0.32
PCB56/60*	0.02	0.77		0.83		1.11		0.67		1.79		1.14
PCB92*	0.02	0.22		0.85		1.43		1.17		1.77		1.32
PCB84*	0.02	0.08		0.07		0.07		0.04		0.07		0.05
PCB101/90	0.02	0.28		0.38		1.07		0.39		0.70		0.43
PCB99*	0.02	1.44	B	1.52	B	2.53		1.17	B	4.02		2.01
PCB119*	0.02	0.14		0.19		0.46		0.17		0.68		0.27
PCB83*	0.02	1.01		0.72		0.70		0.54		1.14		0.74
PCB97*	0.02	0.03		0.01	J	0.02		0.00	J	0.00	J	0.01
PCB87/115	0.02	0.08		0.09		0.12		0.07		0.18		0.11
PCB85*	0.02	0.11		0.13		0.13		0.07		0.27		0.12
PCB136*	0.02	0.10		0.14		0.27		0.10		0.13		0.15
PCB110/77	0.02	0.20		0.09		0.21		0.08		0.12		0.09
PCB82*	0.02	0.03		0.07		0.04		0.03		0.06		0.06
PCB151*	0.02	0.01	J		ND	0.03			ND		ND	ND
PCB135*	0.02	0.06	B	0.06	B	0.08	B	0.06	B	0.06	B	0.08
PCB107*	0.02	0.09		0.10		0.07		0.04		0.25		0.11
PCB149/123*	0.02	0.12		0.18		0.25		0.10		0.29		0.20
PCB118	* 0.02	1.77		1.89		2.74		1.47		4.56		2.45
PCB114*	* 0.02		ND		ND		ND		ND		ND	ND
PCB146*	0.02	0.30		0.42		0.68		0.28		1.38		0.60
PCB153/132	0.05	1.54		2.83		5.07		2.00		9.31		4.25
PCB105	* 0.01	0.59		0.65		0.94		0.50		1.52		0.75
PCB141/179*	0.02	0.13		0.13		0.19		0.15		0.26		0.18
PCB130*	0.02	0.07		0.11		0.19		0.07		0.29		0.14
PCB176/137*	0.02	0.01		0.01		0.01		0.01	J	0.01		0.00
PCB138/160	0.03	0.94	B	1.83	B	3.09		1.24	B	4.32		2.37

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04- HRCRT1		NJT04- UPCRT1		NJT04- UPCRT1		NJT04- UPCRT1		NJT04- UPCRT1		NJT04- UPCRT1	
First fish analytical number		F-1487a		F-1488a		F-1489a		F-1490a		F-1491a		F-1492a	
Species		CASAP Hackensack River @ Laurel Hill		CASAP Upper Tidal Passaic River @ Kearny		CASAP Upper Tidal Passaic River @ Kearny		CASAP Upper Tidal Passaic River @ Kearny		CASAP Upper Tidal Passaic River @ Kearny		CASAP Upper Tidal Passaic River @ Kearny	
Location													
Average total length		12.86		15.28		12.72		12.44		12.98		11.68	
PCB158*	0.02	0.23		0.41		0.71		0.28		1.16		0.58	
PCB129*	0.02	0.01		0.04		0.07		0.03		0.04		0.08	
PCB178*	0.02	0.09		0.13		0.31		0.09		0.53		0.22	
PCB166*	0.02	0.01	J	0.00	J	0.01	J	0.00	J	0.01		0.00	J
PCB175*	0.02	0.07	B	0.08	B	0.11	B	0.06	B	0.16	B	0.09	B
PCB187	0.02	0.34		0.77		1.60		0.49		2.38		1.13	
PCB183 *	0.02	0.15		0.39		0.25		0.24		1.20		0.58	
PCB128	0.02	0.09		0.14		0.27		0.13		0.32		0.08	
PCB167*	0.02	0.08		0.10		0.18		0.10		0.38		0.17	
PCB185 *	0.02	0.00	J		ND		ND		ND		ND	0.00	J
PCB174*	0.02	0.01		0.01		0.03			ND	0.01		0.01	
PCB177*	0.02	0.03		0.06		0.14		0.04		0.10		0.04	
PCB171/202*	0.02	0.10		0.18		0.41		0.12		0.65		0.28	
PCB156*	0.02	0.17		0.27		0.45		0.19		0.90		0.38	
PCB201/157/173*	0.02	0.06		0.67		0.15		0.05		0.24		0.10	
PCB172*	0.02	0.09	B	0.14	B	0.26	B	0.13	B	0.38	B	0.19	B
PCB197*	0.02	0.01		0.04		0.05		0.02		0.06		0.03	
PCB180	0.02	0.61	B	2.15		4.03		1.50		5.72		2.87	
PCB193*	0.02	0.02		0.11		0.30		0.08		0.39		0.14	
PCB191*	0.02	0.02		0.04		0.12		0.04		0.18		0.05	
PCB200*	0.02	0.06		0.02		0.03		0.04		0.03		0.04	
PCB170/190	0.02	0.12		0.47		1.06		0.27		1.40		0.64	
PCB199*	0.02	0.14		0.29		0.68		0.24		0.89		0.42	
PCB203/196*	0.02	0.06		0.27		0.71		0.19		0.92		0.44	
PCB189*	0.02		ND		ND	0.03		0.00	J	0.06		0.02	
PCB195/208	0.02	0.02		0.08		0.25		0.06		0.27		0.12	
PCB207*	0.02	0.07		0.03		0.07		0.05		0.05		0.05	
PCB194*	0.02	0.03		0.16		0.46		0.10		0.54		0.25	
PCB205 *	0.02	0.09		0.04		0.07		0.07		0.06		0.06	
PCB206	0.02	0.04		0.06		0.16		0.06		0.12		0.08	
PCB209	0.02	0.13		0.12		0.12		0.13		0.14		0.14	

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<u>WHO PCBs</u>		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
<u>Planar PCBs</u>													
PCB 77 (CL4)		0.03		0.02		0.07		0.04		0.13		0.21	
PCB 81 (CL4)			ND		ND		ND		ND		ND	0.01	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-HRCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1
First fish analytical number	F-1487a	F-1488a	F-1489a	F-1490a	F-1491a	F-1492a
Species	CASAP Hackensack River @ Laurel Hill	CASAP Upper Tidal Passaic River @ Kearny	CASAP Upper Tidal Passaic River @ Kearny	CASAP Upper Tidal Passaic River @ Kearny	CASAP Upper Tidal Passaic River @ Kearny	CASAP Upper Tidal Passaic River @ Kearny
Location						
Average total length	12.86	15.28	12.72	12.44	12.98	11.68
PCB 126 (CL5)	0.00	ND	ND	ND	ND	ND
PCB 169 (CL6)	ND	ND	ND	ND	ND	ND
Mono-Ortho PCBs- (Planar PCBs; ng/g wet wt)						
PCB 105 (CL5)	0.04	0.36	0.52	0.22	0.63	0.79
PCB 114 (CL5)	ND	0.02	0.03	0.02	0.06	0.04
PCB 118 (CL5)	0.12	0.93	1.42	0.76	2.06	2.79
PCB 123 (CL5)	ND	0.02	0.04	0.01	0.04	0.04
PCB 156 (CL6)	0.02	0.09	0.18	0.06	0.35	0.26
PCB 157 (CL6)	0.01	0.01	0.02	0.02	0.03	0.05
PCB 167 (CL6)	ND	0.04	0.08	0.04	0.17	0.13
PCB 189 (CL7)	ND	ND	ND	ND	0.11	0.04
PCDD/PCDF Compounds (pg/g wet wt)						
	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
2,3,7,8-TCDF	0.9	ND	0.8	ND	1.0	ND
1,2,3,7,8-PeCDF	1.0	L	0.5	L	0.4	L
2,3,4,7,8-PeCDF	ND	ND	ND	L	0.3	ND
1,2,3,4,7,8-HxCDF	1.9	L	0.7	L	0.4	L
1,2,3,6,7,8-HxCDF	ND	ND	ND	ND	0.3	L
2,3,4,6,7,8-HxCDF	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDF	0.9	L	ND	ND	ND	ND
1,2,3,4,7,8,9-HpCDF	ND	ND	ND	ND	ND	ND
OCDF	ND	1.8	L	0.2	L	ND
2,3,7,8-TCDD	2.3	2.8	5.3	1.4	7.4	ND
1,2,3,7,8-PeCDD	ND	ND	ND	ND	ND	ND
1,2,3,4,7,8-HxCDD	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDD	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDD	ND	ND	ND	ND	0.1	L
1,2,3,4,6,7,8-HpCDD	ND	1.4	L	0.8	L	0.1
OCDD	3.5	L	25.1	3.9	L	3.1

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-NBTCRT1	NJT04-NBTCRT1	NJT04-NBTCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1
First fish analytical number	F-1493a	F-1494a	F-1495a	F-1496a	F-1497a	F-1498a
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP
Location	Newark Bay @ Tumpike Bridge	Newark Bay @ Tumpike Bridge	Newark Bay @ Tumpike Bridge	Upper New York Bay @ Caven Point	Upper New York Bay @ Caven Point	Upper New York Bay @ Caven Point
Average total length	14.60	17.06	14.42	16.92	17.38	14.46
Client Sample ID	3424 M	3425 M	3426 M	3427 M	3428 M	3429 M
Organism	Crab	Crab	Crab	Crab	Crab	Crab
Tissue	Muscle	Muscle	Muscle	Muscle	Muscle	Muscle
GERG ID	C45445	C45446	C45447	C45448	C45449	C45450
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	F1186	F1186	F1186	F1186	F1186	F1186
Dry Weight	3.06	2.84	2.43	3.30	3.00	2.77
Wet Weight	15.07	14.96	14.75	14.93	14.87	14.75
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	20.3	19.0	16.5	22.1	20.2	18.8
% Lipid	0.5	0.5	1.2	0.2	1.1	0.4
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1473	T1473	T1473	T1473	T1473	T1473
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005
Extraction Date	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005
Analysis Date	3/18/2005	3/18/2005	3/18/2005	3/18/2005	3/19/2005	3/19/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	87.9	84.0	81.9	87.7	84.6	82.1
PCB103*	91.7	89.2	85.8	92.1	88.5	85.2
PCB198	90.0	86.1	83.1	89.5	88.0	84.2
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	28.30	43.53	69.28	17.40	42.22	23.29
Total PCBs (NOAA Status & Trends)	26.90	44.09	73.89	13.37	45.24	25.58
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number Species		NBTCRT1 F-1493a CASAP Newark Bay @ Turnpike Bridge	NBTCRT1 F-1494a CASAP Newark Bay @ Turnpike Bridge	NBTCRT1 F-1495a CASAP Newark Bay @ Turnpike Bridge	UBCPCRT1 F-1496a CASAP Upper New York Bay @ Caven Point	UBCPCRT1 F-1497a CASAP Upper New York Bay @ Caven Point	UBCPCRT1 F-1498a CASAP Upper New York Bay @ Caven Point						
Location													
Average total length		14.60	17.06	14.42	16.92	17.38	14.46						
Total DDX		7.21	12.27	13.33	1.64	5.29	2.08						
Total all chlordane-related compounds		1.89	2.75	6.29	0.82	2.12	0.83						
Total Hg (ug/g wet wt; ANSP)		0.25	0.27	0.17	0.18	0.18	0.15						
Pesticides (ng/g wet wt)	MDLs	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL		
Chlorinated Benzenes													
Tetrachlorobenzene 1,2,4,5	0.04	0.90		0.94		1.34		0.12		0.12		J	
Tetrachlorobenzene 1,2,3,4	0.04	2.23		2.60		3.28		0.08		0.27			
Pentachlorobenzene	0.04	0.34		0.46		0.48		0.02	J	0.07		J	
Hexachlorobenzene	0.02	0.26		0.29		0.42		0.02		0.08			
Hexachlorocyclohexanes													
Alpha HCH	0.01	0.07		0.06		0.07		0.07		0.10		0.08	
Beta HCH	0.02	0.01	J	0.02	J	0.01	J	0.03		0.03		0.01	J
Gamma HCH	0.01	0.01		0.01		0.01		0.00	J	0.01			ND
Delta HCH	0.01		ND		ND		ND	0.02		0.00			ND
Chlordane-related Compounds													
Heptachlor	0.01	0.04		0.04		0.06		0.00	J	0.09		0.03	
Heptachlor Epoxide	0.02	0.09		0.14		0.20		0.14		0.09		0.04	
Oxychlordane	0.03	0.84		1.19		4.00		0.41		0.73		0.28	
Alpha Chlordane	0.02	0.10		0.18		0.13		0.02		0.13		0.06	
Gamma Chlordane	0.02	0.03		0.05		0.07		0.01	J	0.02		0.01	J
Cis-Nonachlor	0.02	0.26		0.34		0.54		0.09		0.36		0.13	
Trans-Nonachlor	0.04	0.55		0.82		1.28		0.16		0.71		0.28	
Other Cyclodiene Pesticides													
Aldrin	0.02	0.01	J	0.01	J	0.05			ND	0.00	J		ND
Dieldrin	0.05	0.43		0.55		0.79		0.11		0.63		0.23	
Endrin	0.04		ND		ND		ND	0.04			ND		ND
Pesticides		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	0.02		0.02		0.03		0.02		0.02		0.02	
Chlorpyrifos	0.06		ND	0.02			ND	0.11			ND		ND
Mirex	0.01	0.06		0.06		0.09		0.06		0.13		0.05	
Endosulfan II	0.02		ND		ND		ND		ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-NBTCRT1	NJT04-NBTCRT1	NJT04-NBTCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1	
First fish analytical number		F-1493a	F-1494a	F-1495a	F-1496a	F-1497a	F-1498a		
Species		CASAP Newark Bay @ Turnpike Bridge	CASAP Newark Bay @ Turnpike Bridge	CASAP Newark Bay @ Turnpike Bridge	CASAP Upper New York Bay @ Caven Point	CASAP Upper New York Bay @ Caven Point	CASAP Upper New York Bay @ Caven Point		
Location									
Average total length		14.60	17.06	14.42	16.92	17.38	14.46		
DDTs and Related Compounds									
2,4' DDE	0.02	0.02	0.02	0.02	0.02	0.01	0.01	J	
4,4' DDE	0.06	4.79	8.51	8.79	0.99	3.50	1.27	J	
2,4' DDD	0.07	0.12	0.20	0.31	0.06	0.20	0.10		
4,4' DDD	0.01	2.18	3.42	1.02	0.50	1.44	0.64		
2,4' DDT	0.06	0.08	0.10	0.07	0.03	0.13	0.06		
4,4' DDT	0.01	0.02	0.02	0.07	0.05	0.01	0.01		
Individual PCBs (ng/g wet wt)									
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02		ND		ND		ND		ND
PCB7/9*	0.02		ND		ND		ND		ND
PCB8/5	0.02	0.12		0.05		0.09		0.16	
PCB30*	0.02		ND		ND		ND		ND
PCB18/17	0.02	0.04		0.09			ND		ND
PCB15*	0.02		ND		ND		ND		ND
PCB24/27*	0.02	0.01		0.00	J		ND	0.04	
PCB16/32*	0.02	0.02		0.06		0.02		0.05	
PCB29	0.02		ND		ND		ND	0.00	J
PCB26*	0.02	0.01	J	0.04		0.01		0.03	
PCB25*	0.02		ND		ND		ND		ND
PCB31*	0.02	0.02		0.06		0.03		0.05	
PCB28	0.02	1.89		2.91		5.50		3.64	
PCB33/20*	0.02	0.00	J	0.01		0.01			ND
PCB53*	0.02		ND		ND		ND		ND
PCB22/51*	0.02	0.00	J	0.03		0.01		0.03	
PCB45*	0.02		ND		ND		ND		ND
PCB46*	0.02		ND		ND	0.16			ND
PCB39*	0.02		ND		ND	0.01	J	0.08	
PCB69*	0.02	0.09		0.12		0.17			ND
PCB52	0.02	0.10		0.28		0.19		0.08	
PCB49*	0.02	0.03	B	0.16	B	0.03	B	0.06	B
PCB47/75*	0.02	2.35		2.92		4.32	B	3.66	
PCB48*	0.02	0.17		0.18		0.33		0.17	
PCB44	0.02	0.21		0.25		0.25		0.19	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-NBTCRT1		NJT04-NBTCRT1		NJT04-NBTCRT1		NJT04-UBCPCRT1		NJT04-UBCPCRT1		NJT04-UBCPCRT1
First fish analytical number		F-1493a		F-1494a		F-1495a		F-1496a		F-1497a		F-1498a
Species		CASAP Newark Bay @		CASAP Newark Bay @		CASAP Newark Bay @		CASAP Upper New York Bay @		CASAP Upper New York Bay @		CASAP Upper New York Bay @
Location		Turnpike Bridge		Turnpike Bridge		Turnpike Bridge		Caven Point		Caven Point		Caven Point
Average total length		14.60		17.06		14.42		16.92		17.38		14.46
PCB42/59/37*	0.02	0.03		0.15		0.13		0.05		0.13		0.05
PCB72*	0.02		ND		ND		ND		ND		ND	ND
PCB41/64*	0.02	0.06		0.28			ND		ND	0.18		0.02
PCB40*	0.02	0.01		0.02		0.04		0.03		0.00	J	ND
PCB67*	0.02	0.21		0.28		0.56		3.92		0.20		0.11
PCB63*	0.02		ND		ND		ND		ND		ND	ND
PCB74/61*	0.02	1.87		2.78		4.25		0.90		2.41		1.50
PCB70*	0.02	0.16		0.29		0.44		0.03		0.16		0.02
PCB66	0.02	1.76		2.95		4.80		0.73		2.55		1.56
PCB95/80*	0.02	0.20		0.28		0.66		0.07		0.33		0.36
PCB55/91*	0.02	0.17		0.27		0.45		0.06		0.29		0.13
PCB56/60*	0.02	0.83		1.19		2.11		0.35		0.98		0.63
PCB92*	0.02	0.36		0.55		0.67		0.11		0.22		0.11
PCB84*	0.02	0.07		0.08		0.11		0.06		0.03		0.02
PCB101/90	0.02	0.16		0.40		0.21		0.10		0.37		0.10
PCB99*	0.02	2.33		3.14		4.77		1.16	B	3.27		1.91
PCB119*	0.02	0.23		0.30		0.45		0.06		0.32		0.16
PCB83*	0.02	1.75		2.07		3.80		0.27		0.55		0.32
PCB97*	0.02	0.01		0.03			ND		ND		ND	ND
PCB87/115	0.02	0.09		0.15		0.20		0.03		0.11		0.06
PCB85*	0.02	0.36		0.18		0.59		0.13		0.39		0.27
PCB136*	0.02	0.18		0.21		0.27		0.02		0.14		0.06
PCB110/77	0.02	0.07		0.35		0.31		0.07		0.22		0.07
PCB82*	0.02	0.04		0.07		0.04			ND	0.05		0.02
PCB151*	0.02		ND	0.01			ND		ND		ND	ND
PCB135*	0.02	0.05	B	0.08	B	0.01	B	0.04	B	0.12	B	0.03
PCB107*	0.02	0.16		0.24		0.30		0.05		0.34		0.08
PCB149/123*	0.02	0.15		0.35		0.39		0.06		0.33		0.08
PCB118	* 0.02	2.20		3.53		5.15		1.01		3.59		2.19
PCB114*	* 0.02		ND		ND		ND		ND		ND	ND
PCB146*	0.02	0.44		0.65		0.68		0.24		0.75		0.38
PCB153/132	0.02	2.66		4.16		8.33		1.22		4.58		2.69
PCB105	* 0.02	0.61		1.18		1.83		0.16		0.97		0.69
PCB141/179*	0.02	0.11		0.19		0.16		0.12		0.14		0.09
PCB130*	0.02	0.12		0.18		0.39			ND	0.15		0.10
PCB176/137*	0.02	0.00	J	0.02		0.01			ND	0.05		0.01
PCB138 /160	0.02	1.48	B	2.39	B	3.56		0.83	B	2.37	B	1.45

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-NBTCRT1		NJT04-NBTCRT1		NJT04-NBTCRT1		NJT04-UBCPCRT1		NJT04-UBCPCRT1		NJT04-UBCPCRT1	
First fish analytical number		F-1493a		F-1494a		F-1495a		F-1496a		F-1497a		F-1498a	
Species		CASAP Newark Bay @ Turnpike Bridge		CASAP Newark Bay @ Turnpike Bridge		CASAP Newark Bay @ Turnpike Bridge		CASAP Upper New York Bay @ Caven Point		CASAP Upper New York Bay @ Caven Point		CASAP Upper New York Bay @ Caven Point	
Location													
Average total length		14.60		17.06		14.42		16.92		17.38		14.46	
PCB158*	0.02	0.35		0.59		1.06		0.17		0.50		0.33	
PCB129*	0.02	0.04		0.06		0.07		0.00	J	0.02		0.01	
PCB178*	0.02	0.14		0.19		0.01		0.07		0.26		0.12	
PCB166*	0.02	0.01		0.01		0.02		0.00	J	0.01		0.00	J
PCB175*	0.02	0.08	B	0.11	B	0.11	B	0.05	B	0.10	B	0.07	B
PCB187	0.02	0.56		0.96		1.49		0.35		0.95		0.44	
PCB183 *	0.02	0.22		0.42		0.89		0.11		0.37		0.22	
PCB128	0.02	0.07		0.28		0.28		0.05		0.12		0.11	
PCB167*	*	0.10		0.19		0.32			ND	0.20		0.15	
PCB185 *	0.02		ND	0.00	J		ND		ND		ND		ND
PCB174*	0.02		ND	0.01		0.02			ND		ND		ND
PCB177*	0.02	0.03		0.06		0.04		0.03		0.10		0.02	
PCB171/202*	0.02	0.16		0.22		0.27		0.10		0.39		0.18	
PCB156*	*	0.25		0.41		0.80		0.29		0.43		0.25	
PCB201/157/173*	0.02	0.08		0.13		0.16		0.04		0.13		0.07	
PCB172*	0.01	0.10	B	0.14	B	0.10	B	0.07	B	0.12	B	0.07	B
PCB197*	0.02	0.02		0.02		0.03		0.02		0.03		0.02	
PCB180	0.01	1.25		2.05		3.96		0.67	B	2.50		1.03	
PCB193*	0.02	0.05		0.09		0.22			ND	0.09		0.06	
PCB191*	0.02	0.02		0.05		0.08		0.01		0.03		0.07	
PCB200*	0.02	0.03		0.04		0.04			ND	0.03			ND
PCB170/190	0.02	0.16		0.35		0.80		0.09		0.23		0.12	
PCB199*	0.02	0.22		0.30		0.37		0.22		0.35		0.10	
PCB203/196*	0.02	0.10		0.23		0.54		0.17		0.22		0.06	
PCB189*	*		ND	0.01		0.03			ND	0.00	J		ND
PCB195/208	0.01	0.04		0.07		0.12		0.04		0.10		0.02	
PCB207*	0.02	0.03		0.02		0.04		0.02		0.05		0.03	
PCB194*	0.02	0.05		0.12		0.26		0.07		0.11		0.03	
PCB205 *	0.02	0.04		0.04		0.06		0.05		0.06		0.04	
PCB206	0.01	0.03		0.06		0.09		0.06		0.08		0.04	
PCB209	0.01	0.11		0.08		0.14		0.08		0.13		0.06	
WHO PCBs		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Planar PCBs													
PCB 77 (CL4)		0.02		0.06		0.18			ND	0.05		0.05	
PCB 81 (CL4)			ND		ND		ND		ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-NBTCRT1	NJT04-NBTCRT1	NJT04-NBTCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1
First fish analytical number	F-1493a	F-1494a	F-1495a	F-1496a	F-1497a	F-1498a	
Species	CASAP Newark Bay @ Turnpike Bridge	CASAP Newark Bay @ Turnpike Bridge	CASAP Newark Bay @ Turnpike Bridge	CASAP Upper New York Bay @ Caven Point	CASAP Upper New York Bay @ Caven Point	CASAP Upper New York Bay @ Caven Point	
Location							
Average total length	14.60	17.06	14.42	16.92	17.38	14.46	
PCB 126 (CL5)	ND	ND	ND	ND	ND	ND	ND
PCB 169 (CL6)	ND	ND	ND	ND	ND	ND	ND
Mono-Ortho PCBs- (Planar PCBs; ng/g wet wt)							
PCB 105 (CL5)	0.30	0.53	0.92	0.14	0.47	0.37	
PCB 114 (CL5)	ND	0.03	0.06	0.01	0.03	0.02	
PCB 118 (CL5)	1.36	1.47	4.52	0.07	2.05	1.08	
PCB 123 (CL5)	0.07	0.02	0.04	0.01	0.13	0.03	
PCB 156 (CL6)	0.09	0.13	0.29	0.03	0.13	0.10	
PCB 157 (CL6)	ND	0.02	0.04	0.00	0.03		ND
PCB 167 (CL6)	ND	0.07	0.14	0.02	0.09	0.05	
PCB 189 (CL7)	ND	0.02	0.03		ND	ND	ND
PCDD/PCDF Compounds (pg/g wet wt)							
	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
2,3,7,8-TCDF	ND	0.8	0.8	ND	1.3		ND
1,2,3,7,8-PeCDF	1.4	L	ND	0.5	L	ND	ND
2,3,4,7,8-PeCDF	ND	ND	0.6	L	ND	ND	0.5
1,2,3,4,7,8-HxCDF	ND	0.7	L	0.3	L	ND	0.5
1,2,3,6,7,8-HxCDF	1.6	L	ND	0.6	L	ND	ND
2,3,4,6,7,8-HxCDF	ND	0.3	L	ND	ND	ND	ND
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND	0.1	L
1,2,3,4,6,7,8-HpCDF	ND	ND	0.3	L	0.2	L	ND
1,2,3,4,7,8,9-HpCDF	ND	ND	0.1	L	ND	ND	ND
OCDF	ND	0.3	L	ND	ND	ND	ND
2,3,7,8-TCDD	5.1	4.9	7.3		0.5	L	1.3
1,2,3,7,8-PeCDD	1.1	L	ND	ND	ND	ND	ND
1,2,3,4,7,8-HxCDD	ND	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDD	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDD	ND	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDD	ND	ND	0.4	L	ND	ND	0.3
OCDD	12.5	2.5	4.5	L	4.3	L	4.7

Summary of Chemical Contaminant Concentrations: Task II

Serial Number First fish analytical number Species	NJT04- AKCRT1 F-1499a CASAP	NJT04- AKCRT1 F-1500A CASAP	NJT04- AKCRT1 F-1501A CASAP	NJT04-SICRT1 F-1502A CASAP	NJT04-SICRT1 F-1503A CASAP	NJT04-SICRT1 F-1504A CASAP
Location	Arthur Kill @ Fresh Kill Landfill	Arthur Kill @ Fresh Kill Landfill	Arthur Kill @ Fresh Kill Landfill	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island
Average total length	15.80	14.66	13.66	16.40	15.84	15.20
Client Sample ID	3430 M	3431 M	3432 M	3433 M	3434 M	3435 M
Organism	Crab	Crab	Crab	Crab	Crab	Crab
Tissue	Muscle	Muscle	Muscle	Muscle	Muscle	Muscle
GERG ID	C45451	C45452	C45453	C45454	C45455	C45456
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	F1186	F1186	F1186	F1186	F1186	F1186
Dry Weight	3.26	3.50	3.52	3.32	3.43	3.45
Wet Weight	15.11	14.66	14.93	14.71	14.88	14.96
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	21.6	23.9	23.6	22.6	23.0	23.1
% Lipid	0.3	0.2	0.3	1.2	0.1	0.1
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1473	T1473	T1473	T1473	T1473	T1473
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005
Extraction Date	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005	3/8/2005
Analysis Date	3/19/2005	3/19/2005	3/19/2005	3/19/2005	3/19/2005	3/19/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	80.0	79.5	83.8	79.4	82.8	85.1
PCB103*	83.6	84.5	87.0	84.3	85.7	87.9
PCB198	83.0	82.8	87.4	82.8	85.8	87.0
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	21.37	13.67	17.94	52.04	3.20	7.72
Total PCBs (NOAA Status & Trends)	19.86	11.76	14.68	49.70	3.39	7.78
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number Species		AKCRT1 F-1499a CASAP Arthur Kill @ Fresh Kill Landfill	AKCRT1 F-1500A CASAP Arthur Kill @ Fresh Kill Landfill	AKCRT1 F-1501A CASAP Arthur Kill @ Fresh Kill Landfill	F-1502A CASAP Newark Bay @ Shooters Island	F-1503A CASAP Newark Bay @ Shooters Island	F-1504A CASAP Newark Bay @ Shooters Island						
Location													
Average total length		15.80	14.66	13.66	16.40	15.84	15.20						
Total DDX		13.90	7.75	16.59	28.23	1.53	2.64						
Total all chlordane-related compounds		1.24	0.92	1.33	4.46	0.23	0.51						
Total Hg (ug/g wet wt; ANSP)		0.20	0.19	0.15	0.20	0.23	0.20						
Pesticides (ng/g wet wt)	MDLs	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL		
Chlorinated Benzenes													
Tetrachlorobenzene 1,2,4,5	0.04	0.22		0.15		0.20		0.84		0.09		0.21	
Tetrachlorobenzene 1,2,3,4	0.04	0.42		0.24		0.39		2.08		0.22		0.46	
Pentachlorobenzene	0.04	0.08		0.07		0.11		0.28		0.03		0.07	
Hexachlorobenzene	0.02	0.07		0.05		0.08		0.25		0.02		0.04	
Hexachlorocyclohexanes													
Alpha HCH	0.01	0.07		0.10		0.08		0.10		0.06		0.07	
Beta HCH	0.02	0.01	J	0.00	J	0.00	J	0.02		0.00	J	0.00	J
Gamma HCH	0.01	0.00	J		ND	0.00	J	0.01			ND	0.00	J
Delta HCH	0.01		ND		ND		ND		ND		ND		ND
Chlordane-related Compounds													
Heptachlor	0.01		ND		ND		ND	0.09			ND		ND
Heptachlor Epoxide	0.02	0.08		0.07		0.09		0.26		0.03		0.04	
Oxychlordane	0.03	0.66		0.37		0.62		2.12		0.09		0.20	
Alpha Chlordane	0.02	0.05		0.08		0.12		0.23		0.02		0.03	
Gamma Chlordane	0.02	0.02		0.01	J	0.02		0.07			ND	0.01	J
Cis-Nonachlor	0.02	0.12		0.12		0.13		0.57		0.03		0.07	
Trans-Nonachlor	0.04	0.31		0.27		0.35		1.12		0.07		0.16	
Other Cyclo-diene Pesticides													
Aldrin	0.02		ND		ND	0.02		0.04			ND		ND
Dieldrin	0.05	0.26		0.37		0.38		1.12		0.07		0.15	
Endrin	0.04		ND		ND		ND		ND		ND		ND
Pesticides		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	0.02		0.02		0.02		0.05		0.02		0.02	
Chlorpyrifos	0.06		ND		ND		ND		ND		ND		ND
Mirex	0.01	0.04		0.03		0.02		0.06			ND	0.03	
Endosulfan II	0.02		ND		ND		ND		ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-AKCRT1	NJT04-AKCRT1	NJT04-AKCRT1	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1					
First fish analytical number		F-1499a	F-1500A	F-1501A	F-1502A	F-1503A	F-1504A					
Species		CASAP Arthur Kill @ Fresh Kill Landfill	CASAP Arthur Kill @ Fresh Kill Landfill	CASAP Arthur Kill @ Fresh Kill Landfill	CASAP Newark Bay @ Shooters Island	CASAP Newark Bay @ Shooters Island	CASAP Newark Bay @ Shooters Island					
Location												
Average total length		15.80	14.66	13.66	16.40	15.84	15.20					
DDTs and Related Compounds												
2,4' DDE	0.02	0.03	0.02	0.05	0.06	0.00	J	0.00	J			
4,4' DDE	0.06	7.41	3.85	7.61	18.41	0.83		1.75				
2,4' DDD	0.07	0.07	0.03	0.19	0.15	0.00	J	0.02				
4,4' DDD	0.01	6.12	3.73	8.41	9.63	0.66		0.84				
2,4' DDT	0.06	0.17	0.08	0.14	0.21	0.01		0.02				
4,4' DDT	0.01	0.09	0.03	0.27	0.07	0.03		0.01				
Individual PCBs (ng/g wet wt)												
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	
PCB1*	0.02		ND		ND		ND		ND		ND	
PCB7/9*	0.02		ND		ND		ND		ND		ND	
PCB8/5	0.02	0.06		0.09		0.16		0.13		0.10		0.12
PCB30*	0.02		ND		ND		ND		ND		ND	
PCB18/17	0.02		ND		ND		ND		ND		ND	
PCB15*	0.02		ND		ND		ND		ND		ND	
PCB24/27*	0.02		ND		ND		ND		ND		ND	
PCB16/32*	0.02		ND	0.01		0.02		0.04		ND		ND
PCB29	0.02		ND		ND		ND		ND		ND	
PCB26*	0.02		ND		ND	0.01		0.02		ND		ND
PCB25*	0.02	0.01		0.01		0.03		ND		ND		0.00
PCB31*	0.02	0.02		0.03		0.02		0.04		J		0.01
PCB28	0.02	1.35		1.02		1.49		4.36		0.28		0.68
PCB33/20*	0.02		ND		ND	0.00		0.01		J		0.00
PCB53*	0.02		ND		ND			ND		ND		ND
PCB22/51*	0.02		ND		ND	0.00		0.01		J		ND
PCB45*	0.02		ND		ND			ND		ND		ND
PCB46 *	0.02		ND		ND			ND		ND		ND
PCB39*	0.02		ND		ND			ND		ND		ND
PCB69*	0.02	0.11		0.12		0.12		0.36		0.04		0.06
PCB52	0.02	0.01		0.02		0.09		0.16		0.01		0.01
PCB49*	0.02	0.03	B	0.02	B	0.06	B	0.04	B	0.02	B	0.02
PCB47/75*	0.02	1.05	B	0.58	B	0.71	B	2.84		0.16	B	0.47
PCB48*	0.02	0.10		0.07		0.09		0.15		ND		0.04
PCB44	0.02	0.19		0.19		0.21		0.22		0.18		0.19

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-AKCR11	NJT04-AKCR11	NJT04-AKCR11	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1
First fish analytical number		F-1499a	F-1500A	F-1501A	F-1502A	F-1503A	F-1504A
Species		CASAP Arthur Kill @ Fresh Kill Landfill	CASAP Arthur Kill @ Fresh Kill Landfill	CASAP Arthur Kill @ Fresh Kill Landfill	CASAP Newark Bay @ Shooters Island	CASAP Newark Bay @ Shooters Island	CASAP Newark Bay @ Shooters Island
Location							
Average total length		15.80	14.66	13.66	16.40	15.84	15.20
PCB42/59/37*	0.02	ND	ND	0.03	0.20	ND	ND
PCB72*	0.02	ND	ND	ND	ND	ND	ND
PCB41/64*	0.02	0.05	0.06	0.05	0.16	ND	ND
PCB40*	0.02	ND	ND	ND	ND	ND	ND
PCB67*	0.02	0.09	0.03	0.05	0.16	0.02	0.03
PCB63*	0.02	ND	ND	ND	ND	ND	ND
PCB74/61*	0.02	1.17	0.69	0.85	3.29	0.15	0.42
PCB70*	0.02	0.12	0.09	0.12	0.49	0.01	0.04
PCB66	0.02	1.19	0.73	0.97	3.71	0.19	0.47
PCB95/80*	0.02	0.24	0.18	0.19	0.48	0.03	0.06
PCB55/91*	0.02	0.12	0.13	0.15	0.75	0.02	0.05
PCB56/60*	0.02	0.44	0.30	0.49	1.21	0.06	0.22
PCB92*	0.02	0.23	0.27	0.36	0.57	0.07	0.08
PCB84*	0.02	0.07	0.04	0.08	0.13	0.01	0.02
PCB101/90	0.02	0.14	0.12	0.15	0.48	0.02	0.05
PCB99*	0.02	1.52	0.76	0.81	3.09	0.18	0.53
PCB119*	0.02	0.12	0.07	0.08	0.32	0.01	0.04
PCB83*	0.02	3.05	2.52	3.92	6.19	0.41	0.78
PCB97*	0.02	ND	ND	ND	ND	ND	ND
PCB87/115	0.02	0.05	0.03	0.04	0.13	0.01	0.02
PCB85*	0.02	0.17	0.11	0.09	0.21	0.01	0.02
PCB136*	0.02	0.18	0.15	0.21	0.26	0.03	0.07
PCB110/77	0.02	0.07	0.06	0.15	0.35	0.01	0.03
PCB82*	0.02	0.11	0.06	0.09	0.24	0.01	0.02
PCB151*	0.02	ND	ND	ND	ND	ND	ND
PCB135*	0.02	0.05	0.03	0.10	0.22	0.04	0.04
PCB107*	0.02	0.04	0.03	0.05	0.34	ND	0.01
PCB149/123*	0.02	0.07	0.03	0.08	0.31	0.02	0.03
PCB118	* 0.02	1.62	0.85	0.96	4.11	0.20	0.53
PCB114*	* 0.02	ND	ND	ND	ND	ND	ND
PCB146*	0.02	0.27	0.16	0.18	0.68	0.03	0.11
PCB153/132	0.02	2.07	0.99	1.09	4.57	0.26	0.68
PCB105	* 0.02	0.48	0.28	0.35	1.16	0.07	0.18
PCB141/179*	0.02	0.07	0.05	0.10	0.14	0.02	0.05
PCB130*	0.02	0.09	0.03	0.05	0.16	ND	0.02
PCB176/137*	0.02	ND	ND	0.00	0.04	ND	ND
PCB138 /160	0.02	1.11	0.64	0.76	2.43	0.17	0.40

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-AKCRT1		NJT04-AKCRT1		NJT04-AKCRT1		NJT04-SICRT1		NJT04-SICRT1		NJT04-SICRT1	
First fish analytical number		F-1499a		F-1500A		F-1501A		F-1502A		F-1503A		F-1504A	
Species		CASAP Arthur Kill @ Fresh Kill Landfill		CASAP Arthur Kill @ Fresh Kill Landfill		CASAP Arthur Kill @ Fresh Kill Landfill		CASAP Newark Bay @ Shooters Island		CASAP Newark Bay @ Shooters Island		CASAP Newark Bay @ Shooters Island	
Location													
Average total length		15.80		14.66		13.66		16.40		15.84		15.20	
PCB158*	0.02	0.29		0.14		0.16		0.58			ND	0.08	
PCB129*	0.02	0.16		0.08		0.16		0.39		0.01		0.02	
PCB178*	0.02	0.08		0.05		0.05		0.23		0.01	J	0.03	
PCB166*	0.02	0.00	J	0.00	J	0.00	J	0.01		0.00	J	0.00	J
PCB175*	0.02	0.05	B	0.05	B	0.06	B	0.10	B	0.04	B	0.04	B
PCB187	0.02	0.37		0.25		0.26		0.86		0.05		0.13	
PCB183 *	0.02	0.18		0.07		0.09		0.35		0.01		0.04	
PCB128	0.02	0.06		0.04		0.04		0.13		0.01		0.02	
PCB167*	* 0.02	0.07		0.03		0.04		0.20		0.00		0.02	
PCB185 *	0.02		ND		ND		ND		ND		ND		ND
PCB174*	0.02	0.00	J	0.00	J	0.01			ND		ND		ND
PCB177*	0.02	0.02		0.04		0.03		0.09				0.01	
PCB171/202*	0.02	0.09		0.06		0.07		0.25		0.01	J	0.04	
PCB156*	* 0.02	0.18		0.07		0.06		0.45		0.01	J	0.04	
PCB201/157/173*	0.02	0.05		0.03		0.02		0.12		0.00	J	0.01	
PCB172*	0.02	0.08	B	0.06	B	0.07	B	0.12	B		ND		ND
PCB197*	0.02	0.02		0.02		0.02		0.02		0.04		0.05	
PCB180	0.02	1.00		0.48	B	0.58	B	1.97		0.10	B	0.29	B
PCB193*	0.02	0.05		0.04		0.04		0.08		0.00	J	0.02	
PCB191*	0.02	0.01		0.02		0.00	J	0.01		0.00	J	0.00	J
PCB200*	0.02	0.00	J		ND		ND	0.02			ND		ND
PCB170/190	0.02	0.13		0.08		0.10		0.28		0.01		0.03	
PCB199*	0.02	0.18		0.12		0.11		0.24			ND	0.06	
PCB203/196*	0.02	0.09		0.05		0.06		0.15		0.00	J	0.01	
PCB189*	* 0.02	0.00	J		ND	0.00	J	0.00	J	0.00	J		ND
PCB195/208	0.02	0.03		0.03		0.02		0.08		0.00	J	0.01	
PCB207*	0.02	0.02		0.01		0.04		0.02		0.00	J	0.03	
PCB194*	0.02	0.05		0.02		0.03		0.08			ND	0.00	J
PCB205 *	0.02	0.04		0.03		0.05		0.06		0.02		0.03	
PCB206	0.02	0.04		0.03		0.03		0.08		0.00	J	0.01	
PCB209	0.02	0.08		0.06		0.08		0.11		0.04		0.07	

DRAFT

<i>WHO PCBs</i>	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
<i>Planar PCBs</i>												
PCB 77 (CL4)		ND	0.01		0.02		0.07		0.01		0.01	
PCB 81 (CL4)		ND		ND		ND	0.00		ND		ND	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-AKCR1	NJT04-AKCR1	NJT04-AKCR1	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1
First fish analytical number	F-1499a	F-1500A	F-1501A	F-1502A	F-1503A	F-1504A
Species	CASAP Arthur Kill @ Fresh Kill Landfill	CASAP Arthur Kill @ Fresh Kill Landfill	CASAP Arthur Kill @ Fresh Kill Landfill	CASAP Newark Bay @ Shooters Island	CASAP Newark Bay @ Shooters Island	CASAP Newark Bay @ Shooters Island
Location	Arthur Kill @ Fresh Kill Landfill	Arthur Kill @ Fresh Kill Landfill	Arthur Kill @ Fresh Kill Landfill	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island
Average total length	15.80	14.66	13.66	16.40	15.84	15.20
PCB 126 (CL5)	ND	0.00	J	0.00	ND	ND
PCB 169 (CL6)	ND		ND	ND	ND	ND
Mono-Ortho PCBs- (Planar PCBs; ng/g wet wt)						
PCB 105 (CL5)	0.31	0.06		0.20	0.53	0.08
PCB 114 (CL5)	0.03		ND	0.01	0.03	0.01
PCB 118 (CL5)	0.87	0.12		0.47	1.98	0.29
PCB 123 (CL5)	0.02	0.00		0.04	0.02	0.00
PCB 156 (CL6)	0.08	0.03		0.04	0.13	0.02
PCB 157 (CL6)	0.02	0.01		ND	0.02	0.00
PCB 167 (CL6)	0.05	0.02		0.02	0.07	0.01
PCB 189 (CL7)	0.01		ND	0.01	0.01	ND
PCDD/PCDF Compounds (pg/g wet wt)						
	Concentration	Concentration		Concentration	Concentration	Concentration
2,3,7,8-TCDF	ND	0.8		ND	2.0	ND
1,2,3,7,8-PeCDF	ND	0.2	L	ND	0.5	L
2,3,4,7,8-PeCDF	ND		ND	ND		ND
1,2,3,4,7,8-HxCDF	0.7		ND	ND		ND
1,2,3,6,7,8-HxCDF	0.4		ND	ND		ND
2,3,4,6,7,8-HxCDF	0.2		ND	ND		ND
1,2,3,7,8,9-HxCDF			ND	ND		ND
1,2,3,4,6,7,8-HpCDF			ND	ND		ND
1,2,3,4,7,8,9-HpCDF			ND	ND		ND
OCDF	1.3	0.6	L	ND		ND
2,3,7,8-TCDD	1.7	0.8		ND	1.8	ND
1,2,3,7,8-PeCDD	ND		ND	3.9		ND
1,2,3,4,7,8-HxCDD	ND		ND			ND
1,2,3,6,7,8-HxCDD	ND		ND			ND
1,2,3,7,8,9-HxCDD	ND		ND			ND
1,2,3,4,6,7,8-HpCDD	ND	1.0	L			ND
OCDD	7.2	22.2		8.5	13.1	14.4

Summary of Chemical Contaminant Concentrations: Task II

Serial Number First fish analytical number Species	NJT04- MLRBLP1 F-1505a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	NJT04-MLRBLP1 F-1506a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	NJT04- MLRBLP1 F-1507a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	NJT04-MLRBLP1 F-1508a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	NJT04-MLRBLP1 F-1509a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	NJT04- NYBLP1 F-1510a HOAME off shore NY Bight @ Mud Hole
Location Average total length	8.30	8.43	9.53	9.17	8.70	8.63
Client Sample ID	3436 M	3437 M	3456 M	3457 M	3458 M	3459 M
Organism	Lobster	Lobster	Lobster	Lobster	Lobster	Lobster
Tissue	Muscle	Muscle	Muscle	Muscle	Muscle	Muscle
GERG ID	C45457	C45458	C45459	C45460	C45461	C45462
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	F1186	F1186	F1186	F1186	F1186	F1186
Dry Weight	2.67	2.80	2.66	2.78	2.40	2.42
Wet Weight	14.96	15.01	14.98	14.91	15.04	14.93
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	17.8	18.6	17.8	18.6	15.9	16.2
% Lipid	1.3	0.9	1.2	1.3	2.0	1.6
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1474	T1474	T1474	T1474	T1474	T1474
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005
Extraction Date	3/22/2005	3/22/2005	3/22/2005	3/22/2005	3/22/2005	3/22/2005
Analysis Date	4/1/2005	4/1/2005	4/1/2005	4/1/2005	4/1/2005	4/1/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	67.5	56.6	72.4	71.9	71.2	70.3
PCB103*	77.3	68.4	80.0	77.4	76.2	77.4
PCB198	76.2	66.1	79.8	74.8	73.1	75.5
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	19.86	8.67	3.32	3.71	13.37	8.56
Total PCBs (NOAA Status & Trends)	23.15	11.05	4.28	4.91	15.67	10.47

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-MLRBLP1		NJT04-MLRBLP1		NJT04-MLRBLP1		NJT04-MLRBLP1		NJT04-MLRBLP1		NJT04-NYBLP1	
First fish analytical number		F-1505a		F-1506a		F-1507a		F-1508a		F-1509a		F-1510a	
Species		HOAME		HOAME		HOAME		HOAME		HOAME		HOAME	
Location		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill		off shore NY Bight @ Mud Hole	
Average total length		8.30		8.43		9.53		9.17		8.70		8.63	
Total DDX		1.41		0.67		0.34		0.33		0.96		0.55	
Total all chlordanes-related compounds		0.44		0.19		0.17		0.16		0.28		0.19	
Total Hg (ug/g wet wt; ANSP)		0.19		0.20		0.23		0.27		0.11		0.10	
<i>Pesticides (ng/g wet wt)</i>	MDLs	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Chlorinated Benzenes													
Tetrachlorobenzene:1,2,4,5	0.03	0.10		0.04		0.21		0.30		0.15		0.13	
Tetrachlorobenzene:1,2,3,4	0.04	0.01	J		ND	0.04		0.02	J	0.01	J	0.00	J
Pentachlorobenzene	0.04	0.02	J	0.01	J	0.11		0.09		0.04		0.04	
Hexachlorobenzene	0.02	0.01	J	0.01	J	0.02		0.03		0.03		0.03	
Hexachlorocyclohexanes													
Alpha HCH	0.01	0.07		0.08		0.06		0.06		0.09		0.09	
Beta HCH	0.02		ND		ND		ND		ND		ND		ND
Gamma HCH	0.01		ND		ND		ND		ND		ND		ND
Delta HCH	0.01		ND		ND		ND		ND		ND		ND
Chlordane-related Compounds													
Heptachlor	0.01		ND		ND		ND		ND		ND		ND
Heptachlor Epoxide	0.02	0.02		0.01		0.02		0.02		0.03		0.02	
Oxychlordane	0.03	0.18		0.10		0.08		0.07		0.14		0.09	
Alpha Chlordane	0.03	0.06		0.02		0.02		0.02		0.04		0.03	
Gamma Chlordane	0.02	0.02			ND	0.01	J	0.01	J	0.01	J	0.01	J
Cis-Nonachlor	0.02	0.04		0.01	J	0.01	J	0.01	J	0.03		0.01	J
Trans-Nonachlor	0.03	0.11		0.04		0.04		0.02	J	0.04		0.03	
Other Cyclodiene Pesticides													
Aldrin	0.02	0.00	J		ND		ND		ND		ND		ND
Dieldrin	0.05	0.37		0.24		0.17		0.21		0.42		0.31	
Endrin	0.03		ND		ND		ND		ND		ND		ND
Pesticides		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	0.02		0.03		0.03		0.03		0.03		0.03	
Chlorpyrifos	0.06		ND		ND		ND		ND		ND		ND
Mirex	0.01	0.05		0.04		0.02		0.02		0.06		0.03	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number First fish analytical number Species		NJT04-MLRBLP1 F-1505a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	NJT04-MLRBLP1 F-1506a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	NJT04-MLRBLP1 F-1507a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	NJT04-MLRBLP1 F-1508a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	NJT04-MLRBLP1 F-1509a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	NJT04-MLRBLP1 F-1510a HOAME off shore NY Bight @ Mud Hole				
Location Average total length		8.30	8.43	9.53	9.17	8.70	8.63				
Endosulfan II	0.02	ND	ND	0.01 J	0.01 J	ND	ND				
DDTs and Related Compounds											
2,4' DDE	0.02	0.01	0.00 J	0.00 J	ND	ND	ND				
4,4' DDE	0.06	1.12	0.59	0.30	0.28	0.80	0.47				
2,4' DDD	0.07	0.08	0.03 J	0.01 J	0.01	0.10	0.02 J				
4,4' DDD	0.01	0.13	0.03	0.02	0.02	0.02	0.04				
2,4' DDT	0.00	0.05	0.02	0.02	0.02	0.04	0.02				
4,4' DDT	0.01	0.01	0.00 J	0.00 J	0.00 J	0.00 J	0.00 J				
Individual PCBs (ng/g wet wt)		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02	ND	ND	ND	ND	ND	ND	0.05	ND	ND	ND
PCB7/9*	0.02	ND	ND	ND	ND	ND	ND	0.18	ND	ND	ND
PCB8/5	0.02	0.17	ND	0.15	ND	0.21	ND	0.19	ND	0.20	ND
PCB30*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB18/17	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB15*	0.02	0.02	ND	0.04	ND	0.16	ND	0.06	ND	ND	ND
PCB24/27*	0.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB16/32*	0.02	0.03	J	0.01	ND	ND	ND	0.03	ND	0.02	ND
PCB29	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB26*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB25*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB31*	0.02	0.02	ND	ND	ND	ND	ND	0.00	J	0.01	J
PCB28	0.02	0.34	ND	0.16	ND	0.04	ND	0.04	ND	0.25	ND
PCB33/20*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB53*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB22/51*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB45*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB46*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB39*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB69*	0.02	ND	ND	ND	ND	ND	ND	0.01	J	ND	ND
PCB52	0.02	0.16	ND	0.02	ND	0.04	ND	0.04	ND	0.05	ND
PCB49*	0.02	0.09	ND	0.03	ND	0.03	ND	0.03	ND	0.04	ND
PCB47/75*	0.02	0.36	ND	0.17	ND	0.06	ND	0.03	ND	0.24	ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1
First fish analytical number		F-1505a	F-1506a	F-1507a	F-1508a	F-1509a	F-1508a	F-1509a	F-1510a
Species		HOAME	HOAME	HOAME	HOAME	HOAME	HOAME	HOAME	HOAME
Location		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	off shore NY Bight @ Mud Hole
Average total length		8.30	8.43	9.53	9.17	8.70	8.63		
PCB48*	0.02	0.06	0.03	0.00	J	0.01	J	0.05	0.02
PCB44	0.02	0.20	0.17	0.19		0.19		0.18	0.18
PCB42/59/37*	0.02	0.05	0.03	0.04		0.03		0.05	0.00
PCB72*	0.02		ND	ND	ND		ND		J
PCB41/64*	0.02	0.30		ND	ND		ND	0.24	0.10
PCB40*	0.02	0.00	J	ND	ND		ND		ND
PCB67*	0.02		ND	ND	ND		ND		ND
PCB63*	0.02		ND	ND	ND		ND		ND
PCB74/61*	0.02	0.49	0.23	0.04		0.04		0.30	0.31
PCB70*	0.02	0.18	0.02	0.01	J	0.02		0.01	0.04
PCB66	0.02	0.75	0.32	0.05		0.04		0.45	0.31
PCB95/80*	0.02	0.17	0.08	0.01	J	0.01	J	0.13	0.10
PCB55/91*	0.02	0.04		ND	ND		ND	0.01	ND
PCB56/60*	0.02		ND	ND	0.01	J			ND
PCB92*	0.02	0.33	0.10	0.05		0.03		0.10	0.08
PCB84*	0.02	0.03	0.00	J	0.00	J	ND		ND
PCB101/90	0.02	0.59	0.18	0.10		0.08		0.24	0.18
PCB99*	0.02	1.22	0.62	0.16		0.16		1.02	0.52
PCB119*	0.02	0.06	0.03		ND	0.01	J	0.07	0.02
PCB83*	0.02		ND	ND	ND		ND		ND
PCB97*	0.02	0.03		ND	ND		ND	0.00	ND
PCB87/115	0.03	0.07	0.02	J	0.01	J	J	0.04	0.02
PCB85*	0.02	0.07	0.04		0.01	J	J	0.17	0.10
PCB136*	0.02	0.08	0.04		0.01	J		0.05	0.05
PCB110/77	0.02	0.55	0.12		0.07			0.24	0.13
PCB82*	0.02	0.02		ND	0.01	J	J		ND
PCB151*	0.02	0.12	0.02		0.01	J	ND	0.07	0.02
PCB135*	0.02	0.09	0.01			ND	ND		ND
PCB107*	0.02	0.12	0.04			ND	ND	0.07	0.03
PCB149/123*	0.02	0.29	0.06		0.03			0.14	0.07
PCB118	*	0.02	1.69		0.21			1.07	0.85
PCB114*	*	0.02		ND	ND	ND	ND		ND
PCB146*	0.02	0.53	0.29		0.10			0.43	0.24
PCB153/132	0.05	2.56	1.31		0.51			1.82	1.22
PCB105	*	0.02	0.43		0.05			0.23	0.18

Summary of Chemical Contaminant Concentrations: Task II

Serial Number First fish analytical number Species	NJT04- MLRBLP1 F-1505a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill 8.30	NJT04-MLRBLP1 F-1506a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill 8.43	NJT04- MLRBLP1 F-1507a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill 9.53	NJT04-MLRBLP1 F-1508a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill 9.17	NJT04-MLRBLP1 F-1509a HOAME Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill 8.70	NJT04- NYBLP1 F-1510a HOAME off shore NY Bight @ Mud Hole 8.63						
Location Average total length												
<u>WHO PCBs</u>	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Planar PCBs												
PCB 77 (CL4)	0.05		0.02		0.00		0.01		0.03		0.02	
PCB 81 (CL4)	0.00	J	0.00	J	ND		ND		ND		0.00	J
PCB 126 (CL5)	0.00		0.00		0.00	J	0.00	J	0.00		0.00	J
PCB 169 (CL6)	0.00	J		ND	ND			ND		ND		ND
Mono-Ortho PCBs- <i>(Planar PCBs; ng/g wet wt)</i>												
PCB 105 (CL5)	0.29		0.15		0.04		0.05		0.18		0.13	
PCB 114 (CL5)	0.01		0.01		0.00		0.00		0.01		0.01	
PCB 118 (CL5)	1.42		0.69		0.15		0.23		0.89		0.74	
PCB 123 (CL5)	0.11		0.01		0.00		0.02		0.07		0.01	
PCB 156 (CL6)	0.12		0.06		0.02		0.03		0.07		0.05	
PCB 157 (CL6)	0.03		0.02		0.01		0.01		0.02		0.02	
PCB 167 (CL6)	0.08		0.03		0.01		0.02		0.06		0.04	
PCB 189 (CL7)	0.01		0.00		0.00			ND	0.01		0.01	
PCDD/PCDF Compounds (pg/g wet wt)												
2,3,7,8-TCDF		ND		ND	0.6	L		ND	0.5	L	0.5	L
1,2,3,7,8-PeCDF	0.8	L		ND		ND		ND		ND		ND
2,3,4,7,8-PeCDF	0.5	L		ND		ND		ND	0.4	L		ND
1,2,3,4,7,8-HxCDF	1.1	L	0.1	L	0.4	L		ND		ND	0.4	L
1,2,3,6,7,8-HxCDF		ND		ND		ND		ND		ND		ND
2,3,4,6,7,8-HxCDF		ND		ND		ND	0.5	L		ND		ND
1,2,3,7,8,9-HxCDF	0.2	L		ND		ND		ND		ND		ND
1,2,3,4,6,7,8-HpCDF		ND		ND		ND		ND		ND	0.4	L
1,2,3,4,7,8,9-HpCDF		ND		ND		ND		ND		ND		ND
OCDF		ND		ND		ND		ND		ND	0.5	L
PCDD Compounds												
2,3,7,8-TCDD		ND		ND		ND		ND		ND		ND
1,2,3,7,8-PeCDD		ND		ND		ND		ND		ND		ND
1,2,3,4,7,8-HxCDD	0.3	L		ND		ND		ND		ND		ND
1,2,3,6,7,8-HxCDD		ND		ND		ND	0.2	L		ND		ND
1,2,3,7,8,9-HxCDD		ND		ND		ND		ND		ND		ND
1,2,3,4,6,7,8-HpCDD	0.8	L		ND		ND		ND		ND		ND
OCDD		ND	11.7		3.2	L	10.5		1.5	L	2.4	L

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-MLRBA1	NJT04-MLRBA1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1
First fish analytical number	F-1514	F-1515	F-1516	F-1517	F-1518	F-1519
Species	Striped bass	Striped bass	White perch	White perch	White perch	Striped bass
Location	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill
Average total length	69.50	70.50	22.30	22.00	19.00	43.60
Client Sample ID	3463	3464	3465	3466	3467	3468
Organism	Fish	Fish	Fish	Fish	Fish	Fish
Tissue	Homogenate	Homogenate	Homogenate	Homogenate	Homogenate	Homogenate
GERG ID	C45466	C45467	C45468	C45469	C45470	C45471
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	F1186	F1186	F1186	F1186	F1186	F1186
Dry Weight	3.67	3.26	1.93	2.12	0.90	3.64
Wet Weight	15.04	15.03	8.29	9.05	3.60	15.01
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	24.4	21.7	23.3	23.5	24.9	24.3
%Lipid	1.6	1.6	6.9	9.6	8.5	4.2
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1474	T1474	T1474	T1474	T1474	T1474
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005
Extraction Date	3/22/2005	3/22/2005	3/22/2005	3/22/2005	3/22/2005	3/22/2005
Analysis Date	4/1/2005	4/1/2005	4/1/2005	4/1/2005	4/1/2005	4/1/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	72.0	71.4	68.2	70.4	76.1	76.1
PCB103*	85.1	82.5	79.4	81.1	87.0	80.0
PCB198	81.6	78.7	80.7	81.3	84.7	93.0
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	181.45	133.31	1298.86	1719.95	1327.93	1465.37
Total PCBs (NOAA Status & Trends)	174.93	137.34	998.04	1342.55	1033.97	1176.82
Total DDX	29.58	12.37	83.04	71.60	113.47	125.92

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-MLRBA1	NJT04-MLRBA1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1
First fish analytical number	F-1514	F-1515	F-1516	F-1517	F-1518	F-1519
Species	Striped bass Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Striped bass Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	White perch Hackensack River @ Laurel Hill	White perch Hackensack River @ Laurel Hill	White perch Hackensack River @ Laurel Hill	Striped bass Hackensack River @ Laurel Hill
Location						
Average total length	69.50	70.50	22.30	22.00	19.00	43.60
Total all chlordane-related compounds	4.98	3.96	85.01	65.60	37.16	103.13
Total Hg (ug/g wet wt, ANSP)	0.27	0.19	0.35	0.43	0.11	0.24

Pesticides (ng/g wet wt)	MDELS	NJT04-MLRBA1		NJT04-MLRBA1		NJT04-HROT1		NJT04-HROT1		NJT04-HROT1		NJT04-HROT1	
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Chlorinated Benzenes													
Tetrachlorobenzene 1,2,4,5	0.03	0.05		0.06		11.02		13.30		21.16		10.33	d
Tetrachlorobenzene 1,2,3,4	0.04	0.00	J	ND		15.82		20.60		32.66		14.20	d
Pentachlorobenzene	0.04	0.06		0.07		3.30		4.25		6.49		4.57	
Hexachlorobenzene	0.02	0.05		0.05		2.84		3.12		3.52		4.48	
Hexachlorocyclohexanes													
Alpha HCH	0.01	0.11		0.06		0.05		0.08		0.23		0.08	
Beta HCH	0.02	0.03		ND		ND		0.11		ND		0.12	
Gamma HCH	0.01	0.01		ND		0.13		0.18		0.15		0.17	
Delta HCH	0.01		ND	ND						ND		ND	ND
Chlordane-related Compounds													
Heptachlor	0.01	0.02		ND		0.45		0.63		0.58		0.33	
Heptachlor Epoxide	0.02	0.07		0.04		3.50		5.10		3.47		6.88	
Oxychlordane	0.03	0.56		0.40		5.46		7.38		4.83		7.17	
Alpha Chlordane	0.02	0.87		0.73		32.36		21.11		10.59		35.33	d
Gamma Chlordane	0.02	0.23		0.14		8.02		8.51		5.26		13.10	d
Cis-Nonachlor	0.02	1.06		0.88		10.19		6.88		4.17		11.47	d
Trans-Nonachlor	0.04	2.17		1.77		25.01		15.99		8.26		28.86	d
Other Cyclodiene Pesticides													
Aldrin	0.02	0.03		0.01	J	0.18		0.28		0.09		0.12	
Dieldrin	0.05	0.77		0.52		15.46		20.12	d	13.01		20.42	d
Endrin	0.04		ND	ND					ND		ND		ND
Pesticides													
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	0.08		0.04		1.21		1.52		1.22		1.72	
Chlorpyrifos	0.06		ND	ND		1.73		1.55		1.52		2.52	
Mirex	0.01	0.19		0.14		0.11		0.14		0.04		0.21	
Endosulfan II	0.02	0.10		0.09		0.76		1.38		1.32		1.59	
DDTs and Related Compounds													
2,4' DDE	0.02	0.43		0.25		2.60		3.29		2.57		7.96	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-MLRBA1	NJT04-MLRBA1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1		
First fish analytical number		F-1514	F-1515	F-1516	F-1517	F-1518	F-1519				
Species		Striped bass	Striped bass	White perch	White perch	White perch	White perch				
Location		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill		Hackensack River @ Laurel Hill		
Average total length		69.50	70.50	22.30	22.00	19.00	43.60				
4,4' DDE	0.06	20.62	8.13	42.39	35.31	d	61.70	59.57	d		
2,4' DDD	0.07	1.55	1.11	8.06	8.27		7.82	13.76	d		
4,4' DDD	0.01	5.31	1.82	24.16	18.48	d	37.52	34.22	d		
2,4' DDT	0.00	0.64	0.63	4.01	4.32		2.81	6.66			
4,4' DDT	0.01	1.04	0.43	1.79	1.94		1.05	3.74			
Individual PCBs (ng/g wet wt)											
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02		ND		ND	0.05		0.17		ND	0.02
PCB7/9*	0.02		ND		ND		ND		ND		ND
PCB8/5	0.02	0.03		0.11		0.52		1.41		1.58	1.27
PCB30*	0.02		ND		ND	0.09		0.07		ND	0.22
PCB18/17	0.02	0.47		0.09		9.28		25.30	d	12.77	13.89
PCB15*	0.02	0.67		0.09		7.52		20.51		10.94	11.64
PCB24/27*	0.02	0.16			ND	0.88		2.33		1.34	1.57
PCB16/32*	0.02	0.42		0.09		4.49		11.19		7.15	7.84
PCB29	0.02		ND		ND	0.54		0.61		0.62	0.72
PCB26*	0.02	0.19			ND	1.61		7.84		1.90	3.29
PCB25*	0.02	0.40		0.21		15.25		21.98		10.39	6.39
PCB31*	0.02	0.33		0.07		6.29		12.51		10.34	8.10
PCB28	0.02	1.45		0.54		25.07		53.71	d	42.61	34.66
PCB33/20*	0.02		ND		ND	1.61		4.67		1.71	2.37
PCB53*	0.02	0.56		0.15		5.27		14.43		7.66	9.61
PCB22/51*	0.02	0.08		0.03		4.05		9.06		7.18	6.37
PCB45*	0.02	0.25		0.04		3.86		8.87		4.07	5.38
PCB46*	0.02	0.11			ND	1.49		3.79		1.57	2.54
PCB39*	0.02		ND		ND	0.31		0.53		0.34	0.40
PCB69*	0.02	0.02		0.01		0.24		0.37		0.37	0.42
PCB52	0.02	5.11		1.74		60.83		109.74	d	58.04	66.28
PCB49*	0.02	5.21		1.71		53.34		96.78	d	56.54	59.41
PCB47/75*	0.02	3.66		1.25		28.52		53.09	d	35.34	35.39
PCB48*	0.02	0.77		0.33		8.26		14.58		6.69	13.08
PCB44	0.02	1.88		0.85		40.75		73.95	d	33.29	45.46
PCB42/59/37*	0.02	1.37		0.60		17.49		39.86	d	20.48	26.08
PCB72*	0.02	0.11		0.08		1.93		1.66		1.89	1.97
PCB41/64*	0.02	2.26		0.81		56.51		64.08	d	54.86	37.71

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-MLRBA1	NJT04-MLRBA1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1
First fish analytical number		F-1514	F-1515	F-1516	F-1517	F-1518	F-1519	
Species		Striped bass	Striped bass	White perch	White perch	White perch	Striped bass	
Location		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill
Average total length		69.50	70.50	22.30	22.00	19.00	43.60	
PCB40*	0.02	0.36	0.10	7.06	17.15	6.69	12.21	
PCB67*	0.02	0.28	0.19	3.37	4.74	2.82	5.91	
PCB63*	0.02	ND	ND	ND	ND	ND	ND	ND
PCB74/61*	0.02	2.18	1.32	34.69	43.16	53.55	30.64	d
PCB70*	0.02	2.07	1.20	56.59	66.24	73.95	49.37	d
PCB66	0.02	2.29	1.20	28.66	106.10	52.34	75.84	d
PCB95/80*	0.02	5.45	3.40	43.72	18.25	32.16	12.36	d
PCB55/91*	0.02	2.00	1.16	29.43	34.40	18.73	32.16	d
PCB56/60*	0.02	1.16	0.76	23.25	28.30	40.47	22.16	d
PCB92*	0.02	3.99	2.40	48.91	42.89	31.23	53.52	d
PCB84*	0.02	1.21	0.50	10.52	19.60	8.68	14.65	d
PCB101/90	0.02	10.49	7.47	59.17	76.62	57.32	70.26	d
PCB99*	0.02	7.47	6.12	39.47	60.39	44.61	52.73	d
PCB119*	0.02	0.74	0.67	7.56	9.30	4.17	13.25	
PCB83*	0.02	0.97	0.57	10.00	14.09	15.34	12.08	d
PCB97*	0.02	2.60	1.97	18.44	27.96	14.93	25.99	d
PCB87/115	0.03	1.61	1.25	16.87	27.27	21.96	22.16	d
PCB85*	0.02	1.50	0.42	8.21	14.88	8.01	9.53	
PCB136*	0.02	0.91	0.69	4.39	4.26	3.28	4.67	
PCB110/77	0.02	6.52	4.23	51.15	67.45	43.16	58.76	d
PCB82*	0.02	1.00	0.67	8.64	14.34	10.87	9.63	d
PCB151*	0.02	2.79	2.17	14.90	11.88	7.98	15.79	d
PCB135*	0.02	1.34	0.99	7.94	6.72	4.95	10.37	
PCB107*	0.02	1.39	1.22	5.57	9.26	8.94	10.64	
PCB149/123*	0.02	6.30	4.70	35.27	27.86	19.10	34.15	d
PCB118	*	7.66	6.34	38.20	42.94	56.17	43.91	d
PCB114*	*	ND	ND	ND	ND	ND	ND	ND
PCB146*	0.02	4.29	3.90	11.08	11.22	11.14	12.59	d
PCB153/132	0.02	23.34	19.86	79.18	60.91	69.39	77.83	d
PCB105	*	2.22	1.92	13.94	20.88	20.74	13.41	d
PCB141/179*	0.02	2.34	1.93	18.14	14.91	10.85	17.93	d
PCB130*	0.02	0.43	0.40	2.27	3.15	3.05	3.96	
PCB176/137*	0.02	1.13	1.02	3.56	4.12	4.89	6.13	
PCB138/160	0.03	13.44	10.81	50.20	41.45	51.28	53.09	d
PCB158*	0.02	1.63	1.33	8.96	9.55	10.12	12.00	d
PCB129*	0.02	0.22	0.13	1.41	1.88	1.65	2.43	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-MLRBA1	NJT04-MLRBA1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1
First fish analytical number		F-1514	F-1515	F-1516	F-1517	F-1518	F-1519	
Species		Striped bass	Striped bass	White perch	White perch	White perch	Striped bass	
Location		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill
Average total length		69.50	70.50	22.30	22.00	19.00	43.60	
PCB178*	0.02	0.93	0.85	2.08	2.03	2.15	2.73	
PCB166*	0.02	0.01	0.01	0.08	0.18	0.12	0.11	
PCB175*	0.02	0.35	0.35	1.00	1.04	1.16	1.57	
PCB187	0.02	6.14	5.72	17.31	15.34	13.49	20.27	d
PCB183 *	0.02	1.56	1.53	6.41	5.31	5.60	9.10	
PCB128	0.01	1.56	1.36	5.91	7.58	8.79	11.45	
PCB167*	* 0.02	0.65	0.58	2.45	2.95	3.30	3.77	
PCB185 *	0.02	0.31	0.19	1.34	1.14	0.75	1.78	
PCB174*	0.02	0.80	0.66	4.81	3.73	2.91	6.03	
PCB177*	0.02	1.30	1.16	3.51	3.25	4.08	5.63	
PCB171/202*	0.02	1.52	1.52	7.64	6.97	3.64	5.91	d
PCB156*	* 0.02	1.08	0.80	ND	ND	5.99	ND	ND
PCB201/157/173*	0.01	0.52	0.67	1.56	2.02	1.99	3.32	
PCB172*	0.01	0.37	0.37	1.79	1.47	1.95	2.52	
PCB197*	0.02	0.10	0.14	0.29	0.32	0.42	0.49	
PCB180	0.01	8.00	6.20	54.21	22.16	d	23.84	d
PCB193*	0.02	0.61	0.57	2.25	1.74	1.49	2.91	
PCB191*	0.02	ND	ND	ND	ND	ND	0.78	
PCB200*	0.02	0.05	0.07	0.19	0.18	0.13	0.54	
PCB170/190	0.02	1.74	1.56	10.95	8.05	9.32	10.89	d
PCB199*	0.02	1.26	1.65	4.09	3.99	5.77	6.40	
PCB203/196*	0.02	1.07	1.40	5.12	4.48	5.56	7.99	
PCB189*	* 0.02	0.08	0.04	0.13	0.20	0.17	0.39	
PCB195/208	0.01	0.64	0.88	1.94	1.94	1.99	3.83	
PCB207*	0.02	0.09	0.21	0.23	0.26	0.31	0.46	
PCB194*	0.02	0.75	0.94	3.49	2.92	4.39	5.67	
PCB205 *	0.02	0.09	0.06	0.31	0.28	0.35	0.59	
PCB206	0.01	0.55	1.04	1.61	1.78	2.25	3.32	
PCB209	0.01	0.45	0.98	1.30	1.43	1.78	2.29	

<i>WHO PCBs</i>	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
<i>Planar PCBs</i>												
PCB 77 (CL4)	0.15		0.01		1.56		2.45		2.55		2.67	
PCB 81 (CL4)	0.01			ND		ND	0.11		0.13		0.10	
PCB 126 (CL5)	0.02		0.00	J	0.05		0.05		0.10		0.10	
PCB 169 (CL6)	0.00		0.00	J	0.00			ND	0.00	J		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-MLRBA1	NJT04-MLRBA1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1	NJT04-HROT1
First fish analytical number	F-1514	F-1515	F-1516	F-1517	F-1518	F-1519
Species	Striped bass	Striped bass	White perch	White perch	White perch	Striped bass
Location	Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill	Hackensack River @ Laurel Hill
Average total length	69.50	70.50	22.30	22.00	19.00	43.60

Mono-Ortho PCBs-

(Planar PCBs; ng/g wet wt)

PCB 105 (CL5)	1.51	0.07	8.45	15.96	16.87	14.14
PCB 114 (CL5)	0.08	0.00	0.58	1.32	1.19	1.32
PCB 118 (CL5)	7.86	0.42	31.55	53.41	51.21	53.69
PCB 123 (CL5)	1.02	0.05	3.12	5.63	5.09	5.88
PCB 156 (CL6)	0.61	0.03	2.25	2.56	3.03	3.74
PCB 157 (CL6)	0.16	0.01	0.38	0.51	0.58	0.65
PCB 167 (CL6)	0.46	0.03	1.27	1.52	1.72	2.22
PCB 189 (CL7)	0.05	0.00	0.18	0.14	0.19	0.25

PCDD/PCDF Compounds (pg/g wet wt)

	Concentration		Concentration		Concentration		Concentration		Concentration		Concentration
2,3,7,8-TCDF	1.6		ND		6.0		0.8	L	6.2		ND
1,2,3,7,8-PeCDF	0.4	L	ND		0.7	L	ND		1.6	L	0.8
2,3,4,7,8-PeCDF	0.4	L	ND		4.0	L	ND		2.9	L	2.0
1,2,3,4,7,8-HxCDF		ND	ND		2.5	L	1.0	L		ND	ND
1,2,3,6,7,8-HxCDF		ND	ND		1.9	L	ND		ND		0.8
2,3,4,6,7,8-HxCDF		ND	ND		3.7	L	ND		ND		ND
1,2,3,7,8,9-HxCDF		ND	ND		3.9	L	ND		0.4	L	ND
1,2,3,4,6,7,8-HpCDF		ND	0.3	L	2.4	L	1.2	L	ND		0.6
1,2,3,4,7,8,9-HpCDF		ND	ND		ND	ND	ND		ND		ND
OCDF		ND	ND		6.9	L	ND		9.7	L	2.4
2,3,7,8-TCDD		ND	ND		11.3		13.7		27.8		16.9
1,2,3,7,8-PeCDD		ND	ND		5.0	L	ND		0.7	L	ND
1,2,3,4,7,8-HxCDD		ND	ND		ND	ND	ND		ND		ND
1,2,3,6,7,8-HxCDD		ND	ND		1.8	L	ND		0.9	L	ND
1,2,3,7,8,9-HxCDD		ND	ND		3.5	L	ND		ND		ND
1,2,3,4,6,7,8-HpCDD		ND	ND		3.5	L	ND		ND		ND
OCDD	3.5	L	ND		11.8	L	9.5	L	ND		18.4

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-NBTCRT1
First fish analytical number	F-1488a	F-1489a	F-1490a	F-1491a	F-1492a	F-1493a
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP
Location	Upper Tidal Passaic River @ Kearny	Upper Tidal Passaic River @ Kearny	Upper Tidal Passaic River @ Kearny	Upper Tidal Passaic River @ Kearny	Upper Tidal Passaic River @ Kearny	Newark Bay @ Turnpike Bridge
Average total length	15.28	12.72	12.44	12.98	11.68	14.60
Client Sample ID	3393 H	3394 H	3395 H	3422 H	3423 H	3424 H
Organism	Crab	Crab	Crab	Crab	Crab	Crab
Tissue	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas
GERG ID	C45411	C45412	C45413	C45414	C45415	C45416
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	F1186	F1186	F1186	F1186	F1186	F1186
Dry Weight	1.67	1.83	3.05	0.98	2.00	2.36
Wet Weight	8.65	6.64	10.03	5.03	5.89	9.74
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	19.3	27.5	30.4	19.5	33.9	24.3
% Lipid	24.6	20.7	17.5	32.1	23.9	13.7
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1474	T1474	T1474	T1474	T1474	T1474
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005
Extraction Date	3/22/2005	3/22/2005	3/22/2005	3/22/2005	3/22/2005	3/22/2005
Analysis Date	4/1/2005	4/2/2005	4/2/2005	4/2/2005	4/2/2005	4/2/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	81.0	68.6	68.2	40.0	90.0	74.0
PCB103*	56.9	65.5	60.4	48.5	80.4	69.5
PCB198	58.4	85.2	71.8	55.4	98.8	80.5
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	5975.83	2840.28	1539.49	3408.79	2183.73	3151.84
Total PCBs (NOAA Status & Trends)	6496.24	2623.15	1549.29	3605.01	2255.97	3278.45
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number Species		UPCRT1 F-1488a CASAP Upper Tidal Passaic River @ Kearny	UPCRT1 F-1489a CASAP Upper Tidal Passaic River @ Kearny	UPCRT1 F-1490a CASAP Upper Tidal Passaic River @ Kearny	UPCRT1 F-1491a CASAP Upper Tidal Passaic River @ Kearny	UPCRT1 F-1492a CASAP Upper Tidal Passaic River @ Kearny	NBTCRT1 F-1493a CASAP Newark Bay @ Turnpike Bridge						
Location		15.28	12.72	12.44	12.98	11.68	14.60						
Average total length													
Total DDX		788.13	244.44	223.54	521.99	328.15	537.87						
Total all chlordanes-related compounds		917.19	433.39	501.58	542.18	580.40	222.43						
Total Hg (ug/g wet wt; ANSP)		0.10	0.11	0.13	0.10	0.13	0.11						
Pesticides (ng/g wet wt)	MELs	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL		
Chlorinated Benzenes													
Tetrachlorobenzene 1,2,4,5	0.03	7.51		5.74		5.49		2.23		4.90		25.65	d
Tetrachlorobenzene 1,2,3,4	0.04	7.61		5.62		4.78		2.29		8.69		36.25	d
Pentachlorobenzene	0.04	4.22		2.18		2.02		1.98		2.13		9.91	
Hexachlorobenzene	0.02	17.28		7.86		6.71		10.53		8.20		12.48	
Hexachlorocyclohexanes													
Alpha HCH	0.01	0.23		0.20		0.27		0.09		0.37		0.43	
Beta HCH	0.02	1.19		0.49		0.61		0.64		0.81		0.75	
Gamma HCH	0.01	0.69		0.38		0.45		0.29		0.40		0.35	
Delta HCH	0.01	0.10			ND	0.13			ND		ND		ND
Chlordane-related Compounds													
Heptachlor	0.01	4.13		1.43		2.89			ND	2.43		3.10	
Heptachlor Epoxide	0.02	87.01	d	40.84	d	54.18	d	56.24	d	57.37	d	16.58	
Oxychlordane	0.03	387.74	d	222.58	d	233.21	d	246.68	d	286.88	d	85.76	d
Alpha Chlordane	0.02	41.07	d	24.26	d	31.72	d	25.87		29.08	d	12.30	
Gamma Chlordane	0.02	4.87		4.47		6.56			ND	4.74			ND
Cis-Nonachlor	0.02	92.71	d	39.07	d	48.33	d	55.31	d	53.56	d	33.45	d
Trans-Nonachlor	0.03	299.66	d	100.74	d	135.00	d	158.08	d	146.33	d	71.24	d
Other Cyclodiene Pesticides													
Aldrin	0.02	0.86		1.31		0.71		0.60		0.80		0.11	
Dieldrin	0.05	78.79	d	44.20	d	56.26	d	45.88	d	68.38	d	36.50	d
Endrin	0.03	14.07		7.36		5.28		8.38		10.01		4.10	
Pesticides		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides													
Pentachloroanisole	0.01	2.19		1.03		1.16		0.61		1.05		0.94	
Chlorpyrifos	0.06	3.95		5.34		4.30		5.16		5.11			ND
Mirex	0.01	4.19		4.34		4.02		3.62		5.26		2.40	
Endosulfan II	0.03	1.69		2.34		1.28		0.81		1.68		0.34	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-NBTCRT1	
First fish analytical number		F-1488a		F-1489a		F-1490a		F-1491a		F-1492a		F-1493a	
Species		CASAP		CASAP		CASAP		CASAP		CASAP		CASAP	
Location		Upper Tidal Passaic River @ Kearny		Upper Tidal Passaic River @ Kearny		Upper Tidal Passaic River @ Kearny		Upper Tidal Passaic River @ Kearny		Upper Tidal Passaic River @ Kearny		Newark Bay @ Turnpike Bridge	
Average total length		15.28		12.72		12.44		12.98		11.68		14.60	
DDTs and Related Compounds													
2,4' DDE	0.02	0.71		1.22		0.90		0.70		0.48		0.89	
4,4' DDE	0.06	491.26	d	124.82	d	127.99	d	298.51	d	189.04	d	357.05	d
2,4' DDD	0.07	37.09	d	18.99		5.45		21.92		13.18		24.31	d
4,4' DDD	0.01	226.74	d	74.24	d	70.33	d	167.07	d	99.99	d	139.02	d
2,4' DDT	0.00	10.81		8.22		2.83		11.12		5.73		10.53	
4,4' DDT	0.01	21.51		16.95		16.10		22.66		19.73		6.06	
Individual PCBs (ng/g wet wt)													
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02	0.71		ND		ND		ND		ND		ND	
PCB7/9*	0.02		ND		ND		ND		ND		ND		ND
PCB8/5	0.02	0.89		0.62	J	1.49		0.08		1.79		1.09	
PCB30*	0.02	0.82		0.26		0.31		0.27		0.42		0.47	
PCB18/17	0.02	0.92		0.92		0.39		ND		0.18		1.68	
PCB15*	0.02	5.24		2.70		2.26		2.46		2.33		3.25	
PCB24/27**	0.02	0.54		ND		0.80		ND		0.29		0.77	
PCB16/32**	0.02	0.11		0.39		0.16		ND		0.15		1.72	
PCB29	0.02		ND		ND		ND		ND		ND		ND
PCB26*	0.02	0.92		0.32		0.25		0.66		0.28		1.43	
PCB25*	0.02	19.78		16.89		19.32		13.63		19.14		4.02	
PCB31*	0.02	0.83		0.79		0.45		0.88		0.67		2.91	
PCB28	0.02	186.18	d	63.55	d	60.81	d	87.66	d	69.40	d	87.91	d
PCB33/20**	0.02	12.02		0.50		1.35		0.43		1.28		1.76	
PCB53*	0.02		ND		ND		ND		ND		ND		ND
PCB22/51**	0.02	1.63			ND		ND		ND		ND	2.55	
PCB45*	0.02		ND		ND		ND		ND		ND		ND
PCB46 *	0.02	10.58			ND		ND		ND		ND		ND
PCB39*	0.02	2.21		0.49		0.62		ND		0.63		0.46	
PCB69*	0.02	2.63		2.34		1.47		2.46		1.86		6.40	
PCB52	0.02	7.59		4.57		1.90		3.56		2.41		8.75	
PCB49*	0.02	2.08		2.13		2.13		1.67			ND	2.00	
PCB47/75**	0.02	309.95	d	405.15	d	70.80	d	167.88	d	105.74	d	208.38	d
PCB48**	0.02	25.21	d	24.21		18.82	d	19.17		20.94		6.15	
PCB44	0.02	0.87		1.31		1.16		1.76		0.86		0.40	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-NBTCRT1		
First fish analytical number		F-1488a		F-1489a		F-1490a		F-1491a		F-1492a		F-1493a
Species		CASAP		CASAP		CASAP		CASAP		CASAP		CASAP
Location		Upper Tidal		Upper Tidal		Upper Tidal		Upper Tidal		Upper Tidal		Newark Bay @
Average total length		Passaic River @ Kearny		Passaic River @ Kearny		Passaic River @ Kearny		Passaic River @ Kearny		Passaic River @ Kearny		Tumpike Bridge
		15.28		12.72		12.44		12.98		11.68		14.60
PCB42/59/37*	0.02	14.46		11.56		10.63		13.42		12.22		8.57
PCB72*	0.02	2.49		1.77		2.15		2.45		1.80		1.13
PCB41/64*	0.02	1.46		4.02		ND		ND		ND		10.94
PCB40*	0.02	7.28		4.67		4.67		4.96		5.07		1.64
PCB67*	0.02	86.98	d	84.96	d	9.45		44.31	d	16.62		17.94
PCB63*	0.02		ND		ND		ND		ND		ND	
PCB74/61*	0.02	253.62	d	64.63	d	63.78	d	92.07	d	86.76	d	140.06
PCB70*	0.02	53.61	d	22.45		15.95	d	32.74	d	29.33	d	21.00
PCB66	0.02	286.57	d	66.41	d	66.12	d	90.09	d	89.03	d	145.80
PCB95/80*	0.02	25.52	d	9.20		5.42		16.74		7.28		8.99
PCB55/91*	0.02	51.37	d	16.70	d	31.27	d	31.00		33.87		23.67
PCB56/60*	0.02	90.29	d	20.38	d	21.36	d	25.05	d	26.60	d	34.23
PCB92*	0.02	285.89	d	101.07	d	126.17	d	136.20	d	123.64	d	46.10
PCB84*	0.02	2.61		1.59		1.64		2.62		1.88		5.07
PCB101/90	0.02	60.21	d	59.41	d	24.67	d	25.27		23.70	d	21.38
PCB99*	0.02	371.29	d	131.75	d	87.56	d	189.99	d	115.95	d	276.90
PCB119*	0.02	55.19	d	24.07	d	14.77	d	33.16	d	18.33	d	35.60
PCB83*	0.02	78.40	d	18.83		16.70		30.90	d	21.94		101.01
PCB97*	0.02	1.30		1.66		1.61		0.51		1.79		2.80
PCB87/115	0.02	11.96		5.28		4.52		7.75		7.05		9.06
PCB85*	0.02	11.24		9.03		7.01		24.25		18.34		18.65
PCB136*	0.02	2.51		2.35		1.21		4.01		2.62		1.53
PCB110/77	0.02	16.90		11.02		8.26		10.47		11.34		14.45
PCB82*	0.02	2.67		1.60		0.80		1.94		1.25		2.73
PCB151*	0.02	2.54		4.83		2.13		2.47		3.00		0.59
PCB135**	0.02	0.30		0.62		0.30		0.12		0.34		1.33
PCB107**	0.02	18.57		10.02		6.26		13.77		8.01		21.65
PCB149/123**	0.02	18.31		17.34		6.46		15.34		9.60		22.60
PCB118	*	371.63	d	135.35	d	107.06	d	167.29	d	144.06	d	240.35
PCB114**	*		ND		ND		ND		ND		ND	
PCB146**	0.02	123.28	d	43.61	d	23.16	d	76.30	d	38.42	d	78.47
PCB153/132	0.02	731.51	d	289.40	d	167.14	d	451.51	d	263.48	d	415.33
PCB105	*	113.71	d	42.71	d	36.43	d	80.79	d	53.72	d	76.58
PCB141/179*	0.02	12.76		8.51		8.91		9.54		10.05		3.76
PCB130*	0.02	10.93	d	17.41		8.30		20.39		12.77		22.08
PCB176/137*	0.02	6.06		3.98		1.64		2.79		1.24		5.67
PCB138/160	0.02	441.10	d	168.39	d	94.79	d	248.59	d	139.43	d	225.04

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-UPCRT1		NJT04-NBTCRT1	
First fish analytical number		F-1488a		F-1489a		F-1490a		F-1491a		F-1492a		F-1493a	
Species		CASAP		CASAP		CASAP		CASAP		CASAP		CASAP	
Location		Upper Tidal		Upper Tidal		Upper Tidal		Upper Tidal		Upper Tidal		Newark Bay @	
Average total length		Passaic River @ Kearny		Passaic River @ Kearny		Passaic River @ Kearny		Passaic River @ Kearny		Passaic River @ Kearny		Tumpike Bridge	
		15.28		12.72		12.44		12.98		11.68		14.60	
PCB158*	0.02	97.29	d	41.98	d	25.43	d	70.54	d	39.06	d	53.49	d
PCB129*	0.02	0.77		0.89		0.56		0.92		0.87		0.81	
PCB178*	0.02	39.36	d	21.16		6.82		24.97		13.42		19.32	
PCB166*	0.02	0.75		1.36		0.90		1.12		0.79		2.25	
PCB175*	0.02	9.47		6.28		2.91		9.38		5.23		8.45	
PCB187	0.02	239.11	d	110.61	d	39.84	d	157.59	d	70.95	d	110.46	d
PCB183 *	0.02	109.30	d	49.16	d	19.39	d	74.66	d	35.07	d	43.33	d
PCB128	0.01	53.34	d	28.51		15.35		32.16		23.40		33.38	d
PCB167*	*	26.84	d	14.97		9.34		22.05		14.29		14.46	d
PCB185 *	0.02	0.84		0.95		0.20			ND		ND	1.07	
PCB174*	0.02	1.10		2.74		0.30		1.11		0.54		1.20	
PCB177*	0.02	11.07		12.54		4.73		8.78		2.99		7.98	
PCB171/202*	0.02	50.50	d	26.34	d	8.70		38.04		16.66		18.80	
PCB156*	*	76.30	d	21.63	d	16.58	d	31.82	d	21.10	d	33.07	d
PCB201/157/173*	0.01	14.68		12.85		5.84		16.30		8.95		16.06	
PCB172*	0.01	20.43		17.26		5.11		23.89		9.66		8.24	
PCB197*	0.02	2.16		2.71		1.08		3.24		1.75		1.33	
PCB180	0.01	570.23	d	246.51	d	120.23	d	339.89	d	182.91	d	221.01	d
PCB193*	0.02	16.06		17.40		5.08		22.51		9.80		8.61	
PCB191*	0.02	5.69		5.63		1.95		9.92		3.58		2.46	
PCB200*	0.02	0.07		0.49		0.58		1.11		0.35		0.93	
PCB170/190	0.02	142.53	d	70.80	d	22.76	d	82.50	d	39.57	d	30.65	d
PCB199*	0.02	52.36	d	51.11	d	14.24		70.93	d	26.42		41.05	d
PCB203/196*	0.02	97.83	d	57.08	d	19.28		66.57	d	33.52	d	27.24	d
PCB189*	*	4.14		4.39		1.59		5.52		2.80		2.33	
PCB195/208	0.01	21.25		23.45		6.27		19.66		11.19		8.00	
PCB207*	0.02	2.88		2.58		0.86		1.93		1.54		1.66	
PCB194*	0.02	69.61	d	42.88	d	12.07		42.04	d	24.53		16.48	
PCB205 *	0.02	3.16		3.27		1.54		2.18		1.99		1.51	
PCB206	0.01	14.59		15.73		5.26		10.98		7.91		6.20	
PCB209	0.01	5.87		3.91		2.99		3.13		4.01		5.22	

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<i>WHO PCBs</i>	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
<i>Planar PCBs</i>												
PCB 77 (CL4)	14.56		8.22		8.29		14.77		10.13		11.85	
PCB 81 (CL4)	0.50		0.27		0.13		0.23		0.19		0.30	

Summary of Chemical Contaminant Concentrations: Task II

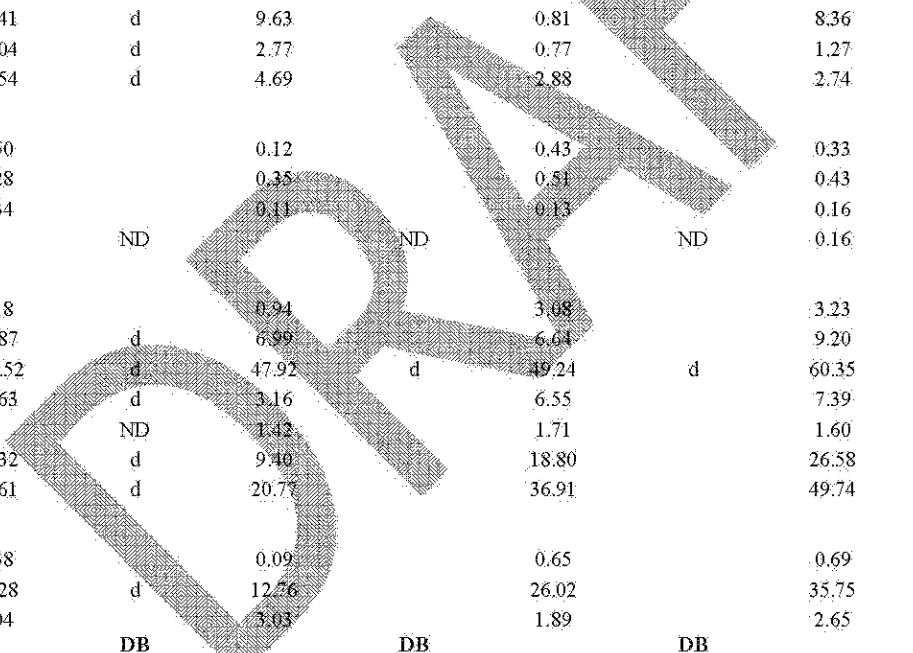
Serial Number	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-UPCRT1	NJT04-NBTCRT1
First fish analytical number	F-1488a	F-1489a	F-1490a	F-1491a	F-1492a	F-1493a
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP
Location	Upper Tidal Passaic River @ Kearny	Upper Tidal Passaic River @ Kearny	Upper Tidal Passaic River @ Kearny	Upper Tidal Passaic River @ Kearny	Upper Tidal Passaic River @ Kearny	Newark Bay @ Turnpike Bridge
Average total length	15.28	12.72	12.44	12.98	11.68	14.60
PCB 126 (CL5)	0.62	0.25	0.14	0.40	0.19	0.24
PCB 169 (CL6)	0.05	0.03	0.01	0.06	0.02	0.03
Mono-Ortho PCBs-						
(Planar PCBs; ng/g wet wt)						
PCB 105 (CL5)	68.81	29.87	25.72	59.48	43.28	48.02
PCB 114 (CL5)	5.54	2.08	1.69	3.98	2.80	4.68
PCB 118 (CL5)	158.61	117.94	91.57	208.63	168.42	210.17
PCB 123 (CL5)	3.71	1.83	1.39	3.40	2.64	3.31
PCB 156 (CL6)	28.51	13.92	8.02	27.59	13.77	16.44
PCB 157 (CL6)	4.83	1.84	1.39	3.52	2.06	3.39
PCB 167 (CL6)	15.91	8.13	4.74	15.26	8.38	10.44
PCB 189 (CL7)	3.49	2.28	0.63	3.77	1.36	1.08
PCDD/PCDF Compounds (pg/g wet wt)						
	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
2,3,7,8-TCDF	23.6	22.1	37.2	26.0	23.7	73.5
1,2,3,7,8-PeCDF	4.8 L	ND	2.5 L	4.1 L	3.3 L	6.5
2,3,4,7,8-PeCDF	11.3	ND	4.7 L	10.3	6.7 L	21.2
1,2,3,4,7,8-HxCDF	17.7	ND	9.1	17.4	9.5	35.0
1,2,3,6,7,8-HxCDF	4.0 L	ND	3.4 L	4.6 L	ND	4.9 L
2,3,4,6,7,8-HxCDF	2.4 L	ND	2.6 L	2.4 L	ND	4.3 L
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDF	7.5	10.1	20.6	10.0	6.8 L	17.9
1,2,3,4,7,8,9-HpCDF	ND	ND	ND	ND	ND	ND
OCDF	ND	ND	ND	ND	ND	ND
2,3,7,8-TCDD	288.7	138.4	146.4	363.7	165.2	299.5
1,2,3,7,8-PeCDD	4.8 L	ND	ND	ND	3.9 L	5.6
1,2,3,4,7,8-HxCDD	ND	ND	ND	ND	ND	ND
1,2,3,6,7,8-HxCDD	4.4 L	3.9 L	7.6	6.3 L	4.1 L	4.4 L
1,2,3,7,8,9-HxCDD	ND	ND	2.7 L	ND	ND	ND
1,2,3,4,6,7,8-HpCDD	ND	4.7 L	21.5	2.8 L	3.2 L	4.7 L
OCDD	11.6	17.2	48.0	17.2 L	22.2 L	9.3 L

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-NBTCRT1	NJT04-NBTCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1	NJT04-AKCR1
First fish analytical number	F-1494a	F-1495a	F-1496a	F-1497a	F-1498a	F-1499a
Species	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP
Location	Newark Bay @ Turnpike Bridge	Newark Bay @ Turnpike Bridge	Upper New York Bay @ Caven Point	Upper New York Bay @ Caven Point	Upper New York Bay @ Caven Point	Arthur Kill @ Fresh Kill Landfill
Average total length	17.06	14.42	16.92	17.38	14.46	15.80
Client Sample ID	3425 H	3426 H	3427 H	3428 H	3429 H	3430 H
Organism	Crab	Crab	Crab	Crab	Crab	Crab
Tissue	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas
GERG ID	C45417	C45418	C45419	C45420	C45421	C45422
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	F1186	F1186	F1186	F1186	F1186	F1186
Dry Weight	3.19	0.91	1.06	0.82	1.04	1.40
Wet Weight	13.62	6.96	4.10	3.76	7.33	5.16
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	23.5	43.1	25.8	21.9	14.2	27.1
% Lipid	23.5	26.5	4.2	31.5	21.3	25.5
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1474	T1474	T1475	T1475	T1475	T1475
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date						
Receive Date	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005
Extraction Date	3/22/2005	3/22/2005	3/28/2005	3/28/2005	3/28/2005	3/28/2005
Analysis Date	4/2/2005	4/3/2005	4/12/2005	4/12/2005	4/12/2005	4/12/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	73.0	81.3	68.5	78.3	86.1	74.5
PCB103*	63.4	88.3	73.7	85.2	90.4	75.3
PCB198	83.6	90.6	76.9	88.8	92.8	82.1
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	3809.11	822.26	3148.61	3932.45	1540.36	2647.64
Total PCBs (NOAA Status & Trends)	3813.27	802.54	3350.34	4477.75	1725.10	2652.94
Serial Number	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-	NJT04-

Summary of Chemical Contaminant Concentrations: Task II

First fish analytical number		NBTCRT1	NBTCRT1	UBCPCRT1	UBCPCRT1	UBCPCRT1	UBCPCRT1	AKCRT1			
Species		F-1494a	F-1495a	F-1496a	F-1497a	F-1498a	F-1499a				
Location		CASAP Newark Bay @ Turnpike Bridge	CASAP Newark Bay @ Turnpike Bridge	CASAP Upper New York Bay @ Caven Point	CASAP Upper New York Bay @ Caven Point	CASAP Upper New York Bay @ Caven Point	CASAP Arthur Kill @ Fresh Kill Landfill				
Average total length		17.06	14.42	16.92	17.38	14.46	15.80				
Total DDX		619.89	174.75	309.09	426.06	207.64	1152.01				
Total all chlordanes-related compounds		348.13	90.60	122.92	158.10	64.89	261.31				
Total Hg (ug/g wet wt; ANSP)		0.11	0.08	0.09	0.10	0.08	0.09				
<i>Pesticides (ng/g wet wt)</i>	MELs	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Chlorinated Benzenes											
Tetrachlorobenzene 1,2,4,5	0.03	36.99	d	9.10	ND	ND	ND	0.80		6.87	
Tetrachlorobenzene 1,2,3,4	0.04	51.41	d	9.63		0.81		8.36		0.41	
Pentachlorobenzene	0.04	11.04	d	2.77		0.77		1.27		0.36	
Hexachlorobenzene	0.02	24.54	d	4.69		2.88		2.74		1.18	
Hexachlorocyclohexanes											
Alpha HCH	0.01	0.50		0.12		0.43		0.33		0.24	
Beta HCH	0.02	1.28		0.35		0.51		0.43		0.31	
Gamma HCH	0.01	0.34		0.11		0.13		0.16		0.08	
Delta HCH	0.01		ND		ND		ND	0.16		0.08	
Chlordane-related Compounds											
Heptachlor	0.01	4.18		0.94		3.08		3.23		1.42	
Heptachlor Epoxide	0.02	28.87	d	6.99		6.64		9.20		3.01	
Oxychlordane	0.03	163.52	d	47.92	d	49.24	d	60.35	d	25.32	d
Alpha Chlordane	0.02	17.63	d	3.16		6.55		7.39		3.71	
Gamma Chlordane	0.02		ND	1.42		1.71		1.60		0.91	
Cis-Nonachlor	0.02	42.32	d	9.40		18.80		26.58		10.25	
Trans-Nonachlor	0.03	91.61	d	20.77		36.91		49.74	d	20.27	
Other Cyclodiene Pesticides											
Aldrin	0.02	0.38		0.09		0.65		0.69		0.38	
Dieldrin	0.05	61.28	d	12.76		26.02		35.75		14.06	
Endrin	0.03	7.04		3.03		1.89		2.65			ND
											DB QUAL
Pesticides											
Other Chlorinated Pesticides											
Pentachloroanisole	0.01	1.35		0.27		0.91		0.61		0.43	
Chlorpyrifos	0.06	1.87		2.22		2.35		4.27		1.10	
Mirex	0.01	2.61		0.63		2.68		3.76		1.64	
Endosulfan II	0.03	0.57			ND	0.80		0.62		0.23	



Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-NBTCRT1		NJT04-NBTCRT1		NJT04-UBCPCRT1		NJT04-UBCPCRT1		NJT04-UBCPCRT1		NJT04-AKCRT1	
First fish analytical number		F-1494a		F-1495a		F-1496a		F-1497a		F-1498a		F-1499a	
Species		CASAP Newark Bay @ Turnpike Bridge		CASAP Newark Bay @ Turnpike Bridge		CASAP Upper New York Bay @ Caven Point		CASAP Upper New York Bay @ Caven Point		CASAP Upper New York Bay @ Caven Point		CASAP Arthur Kill @ Fresh Kill Landfill	
Location													
Average total length		17.06		14.42		16.92		17.38		14.46		15.80	
DDTs and Related Compounds													
2,4' DDE	0.02	1.80		0.29		2.35		1.82		0.29		6.46	
4,4' DDE	0.06	410.25	d	114.85	d	193.46	d	290.22	d	136.73	d	628.29	d
2,4' DDD	0.07	24.28	d	5.69		19.39		28.23		11.40		12.13	
4,4' DDD	0.01	170.95	d	51.61	d	78.20	d	89.29	d	51.18	d	459.09	d
2,4' DDT	0.00	8.57		0.80		12.87		15.67		6.63		10.06	
4,4' DDT	0.01	4.04		1.51		2.32		0.82		1.41		35.99	
Individual PCBs (ng/g wet wt)													
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02		ND		ND		ND		ND		ND		ND
PCB7/9*	0.02	0.45			ND		ND		ND	0.30		0.61	
PCB8/5	0.02	1.43		0.82		1.71		1.22		0.51		1.50	
PCB30*	0.02	0.82		0.19		0.47		0.26		0.12		0.13	
PCB18/17	0.02	3.87		0.02	J	1.77		0.99		0.49		1.67	
PCB15*	0.02	5.58		1.23		1.83		3.86		1.92		3.70	
PCB24/27*	0.02	1.87		0.36		1.26		1.34		0.54		0.38	
PCB16/32*	0.02	3.62		0.07		2.22		1.72		0.54		1.57	
PCB29	0.02		ND		ND		ND		ND		ND		ND
PCB26*	0.02	2.68		0.27		1.58		0.92		0.41		1.14	
PCB25*	0.02	5.01		2.19			ND		ND		ND		ND
PCB31*	0.02	3.59		0.65		2.95		1.21		0.92	d	1.23	
PCB28	0.02	127.20	d	44.04	d	80.70	d	94.40	d		ND	90.17	d
PCB33/20*	0.02	1.92		0.11		0.94		1.38		0.21		1.08	
PCB53*	0.02		ND		ND		ND		ND		ND		ND
PCB22/51*	0.02	3.10		0.12		1.75		1.56		0.59		1.55	
PCB45*	0.02	0.09			ND		ND		ND		ND		ND
PCB46 *	0.02		ND		ND		ND	0.72		0.16			ND
PCB39*	0.02	0.72		0.14			ND		ND		ND		ND
PCB69*	0.02	7.43		2.29		0.68		2.69		0.35		9.80	
PCB52	0.02	15.90	d	1.50		8.38		4.30		1.48		7.22	
PCB49*	0.02	11.13		0.40		10.28		3.91		1.03		5.24	
PCB47/75*	0.02	234.74	d	44.21	d	167.68	d	226.10	d	83.17	d	108.20	d
PCB48*	0.02	7.46		2.20		4.28		4.36		2.12		6.61	
PCB44	0.02	1.14		0.63			ND		ND		ND		ND

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-NBTCRT1		NJT04-NBTCRT1		NJT04-UBCPCRT1		NJT04-UBCPCRT1		NJT04-UBCPCRT1		NJT04-AKCRT1
First fish analytical number		F-1494a		F-1495a		F-1496a		F-1497a		F-1498a		F-1499a
Species		CASAP Newark Bay @ Turnpike Bridge		CASAP Newark Bay @ Turnpike Bridge		CASAP Upper New York Bay @ Caven Point		CASAP Upper New York Bay @ Caven Point		CASAP Upper New York Bay @ Caven Point		CASAP Arthur Kill @ Fresh Kill Landfill
Location												
Average total length		17.06		14.42		16.92		17.38		14.46		15.80
PCB42/59/37*	0.02	13.85		3.92		9.51		8.82		4.44		9.26
PCB72*	0.02	1.60		0.69		2.16		1.83		0.84		1.77
PCB41/64*	0.02	25.43	d	0.52		22.26		11.99		4.53		12.57
PCB40*	0.02	3.77		0.77		1.03		1.26		0.49		2.56
PCB67*	0.02	23.81	d	4.30		15.60		18.38		6.69		7.90
PCB63*	0.02		ND		ND		ND		ND		ND	ND
PCB74/61*	0.02	210.19	d	49.46	d	112.89	d	131.83	d	68.82	d	124.00
PCB70*	0.02	50.78	d	7.64		16.50		15.94		4.40		38.32
PCB66	0.02	224.46	d	56.91	d	112.93	d	132.22	d	66.78	d	137.63
PCB95/80*	0.02	5.90		4.66			ND	5.49		3.31		5.98
PCB55/91*	0.02	39.50	d	8.07		21.74		22.13		10.78		31.74
PCB56/60*	0.02	58.46	d	28.12		30.51	d	49.77		27.20		28.72
PCB92*	0.02	120.39	d	21.24		27.97		33.64		14.58		53.58
PCB84*	0.02	6.86		2.04		3.71		5.00		1.99		ND
PCB101/90	0.02	42.84	d	4.21		39.13		31.70		9.30		31.45
PCB99*	0.02	274.91	d	59.72	d	240.52	d	313.54	d	129.40	d	169.11
PCB119*	0.02	37.92	d	8.43		28.33		39.16		14.14		21.77
PCB83*	0.02	106.32	d	48.42	d	40.86		36.50		21.29		249.68
PCB97*	0.02	5.24		0.39		4.75		1.96		0.97		5.62
PCB87/115	0.02	12.27		2.85		7.79		8.97		4.14		6.80
PCB85*	0.02	37.20	d	10.97		42.53		31.48		13.08		12.40
PCB136*	0.02	2.25		1.12		2.81		4.48		1.20		3.87
PCB110/77	0.02	28.00	d	6.28		23.69		16.11		6.75		23.32
PCB82*	0.02	3.38		1.85		6.26		6.82		3.14		12.08
PCB151*	0.02	2.26			ND	2.17		0.81		0.22		2.70
PCB135**	0.02	2.68		0.01	J	4.97		4.65		1.22		10.04
PCB107**	0.02	25.11	d	4.43		27.71		29.50		11.76		15.02
PCB149/123**	0.02	30.65	d	5.66		30.29		29.15		11.45		21.66
PCB118	*	302.72	d	57.92	d	229.78	d	281.00	d	133.61	d	210.32
PCB114**	*		ND		ND		ND		ND		ND	ND
PCB146**	0.02	74.80	d	9.53		71.95	d	101.20	d	40.13	d	43.94
PCB153/132	0.02	407.67	d	86.41	d	419.67	d	632.18	d	255.96	d	294.81
PCB105	*	86.08	d	22.74		54.71	d	61.39	d	31.83	d	47.49
PCB141/179*	0.02	6.26		1.10		2.78		3.62		0.99		4.96
PCB130*	0.02	21.56	d	5.19		18.13		23.79		9.11		13.22
PCB176/137*	0.02	7.12		0.57		10.09		11.15		3.40		5.64
PCB138/160	0.02	235.86	d	49.32	d	246.84	d	323.65	d	139.27	d	175.12

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-NBTCRT1		NJT04-NBTCRT1		NJT04-UBPCRT1		NJT04-UBPCRT1		NJT04-UBPCRT1		NJT04-AKCRT1	
First fish analytical number		F-1494a		F-1495a		F-1496a		F-1497a		F-1498a		F-1499a	
Species		CASAP Newark Bay @ Turnpike Bridge		CASAP Newark Bay @ Turnpike Bridge		CASAP Upper New York Bay @ Caven Point		CASAP Upper New York Bay @ Caven Point		CASAP Upper New York Bay @ Caven Point		CASAP Arthur Kill @ Fresh Kill Landfill	
Location													
Average total length		17.06		14.42		16.92		17.38		14.46		15.80	
PCB158*	0.02	59.19	d	13.19		47.00	d	60.24	d	26.70	d	37.72	d
PCB129*	0.02	0.35		0.18		ND		ND		ND		ND	ND
PCB178*	0.02	20.42	d	0.60		20.52		24.46		9.78		11.74	
PCB166*	0.02	2.07		0.33		0.75		1.68		0.60		0.59	
PCB175*	0.02	8.28		1.69		8.78		11.53		4.68		5.63	
PCB187	0.02	114.83	d	18.91		127.46	d	166.65	d	60.02	d	71.70	d
PCB183 *	0.02	45.57	d	10.07		47.81	d	65.88	d	27.57	d	28.95	
PCB128	0.01	37.23	d	7.87		34.71	d	48.37	d	18.42	d	29.90	
PCB167*	*	17.67	d	4.31		22.11		28.57		11.97		14.13	
PCB185 *	0.02	1.45		ND		0.23		0.51		ND		0.53	
PCB174*	0.02	2.01		0.22		0.85		1.32		0.22		1.92	
PCB177*	0.02	10.14		1.29		13.12		13.98		4.59		8.36	
PCB171/202*	0.02	24.36	d	3.53		30.66		33.82		13.08		13.47	
PCB156*	*	39.13	d	9.69		47.96		40.56	d	17.70	d	33.04	
PCB201/157/173*	0.01	16.69	d	5.16		20.72		22.59		9.60		10.32	
PCB172*	0.01	8.77		0.87		5.83		9.24		2.58		6.18	
PCB197*	0.02	1.31		0.39		2.42		2.67		1.02		1.12	
PCB180	0.01	237.79	d	34.82	d	237.13	d	386.83	d	118.95	d	177.29	d
PCB193*	0.02	9.48		2.36		8.37		11.15		3.76		6.27	
PCB191*	0.02	2.77		0.64		2.58		3.41		1.27		2.30	
PCB200*	0.02	1.68		0.18		0.36		0.70		0.26		0.62	
PCB170/190	0.02	42.53	d	9.33		32.08		39.78		15.90		29.20	
PCB199*	0.02	40.75	d	4.55		51.02	d	49.27		6.73		17.76	
PCB203/196*	0.02	35.01	d	6.98		60.61	d	50.08	d	11.55		20.71	
PCB189*	*	2.67		0.48		2.98		3.69		1.69		2.43	
PCB195/208	0.01	8.99		1.79		13.48		12.18		3.10		7.14	
PCB207*	0.02	1.59		0.52		3.99		2.80		0.74		1.50	
PCB194*	0.02	20.44	d	3.47		40.09		31.73		7.48		13.73	
PCB205 *	0.02	1.97		0.55		2.14		2.29		1.14		1.94	
PCB206	0.01	9.03		2.24		28.08		14.25		4.06		7.55	
PCB209	0.01	7.06		1.79		6.60		7.77		2.89		6.30	

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<u>WHO PCBs</u>		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
<u>Planar PCBs</u>													
PCB 77 (CL4)		15.86		7.29		12.70		13.24		6.81		13.45	
PCB 81 (CL4)		0.37		0.10		0.54		0.64		0.37		0.49	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-NBTCRT1	NJT04-NBTCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1	NJT04-UBCPCRT1	NJT04-AKCRT1
First fish analytical number	F-1494a	F-1495a	F-1496a	F-1497a	F-1498a	F-1499a
Species	CASAP Newark Bay @ Turnpike Bridge	CASAP Newark Bay @ Turnpike Bridge	CASAP Upper New York Bay @ Caven Point	CASAP Upper New York Bay @ Caven Point	CASAP Upper New York Bay @ Caven Point	CASAP Arthur Kill @ Fresh Kill Landfill
Location						
Average total length	17.06	14.42	16.92	17.38	14.46	15.80
PCB 126 (CL5)	0.50	0.10	0.62	0.60	0.35	0.49
PCB 169 (CL6)	0.03	0.01	0.05	0.04	0.02	0.04
Mono-Ortho PCBs-						
(Planar PCBs; ng/g wet wt)						
PCB 105 (CL5)	53.75	20.92	61.37	71.88	43.58	53.98
PCB 114 (CL5)	4.67	1.27	4.41	4.14	2.55	3.20
PCB 118 (CL5)	251.83	66.96	311.05	328.38	183.45	210.83
PCB 123 (CL5)	4.26	1.04	4.59	4.26	2.55	2.78
PCB 156 (CL6)	10.84	3.53	28.05	27.51	14.07	16.36
PCB 157 (CL6)	3.30	0.85	6.31	7.12	3.82	3.68
PCB 167 (CL6)	11.08	2.39	19.73	20.99	9.78	9.88
PCB 189 (CL7)	0.91	0.23	2.20	2.63	1.11	1.26
PCDD/PCDF Compounds (pg/g wet wt)						
	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
2,3,7,8-TCDF	174.8	16.6	62.8	61.1	33.8	50.7
1,2,3,7,8-PeCDF	12.0	4.1	6.0	ND	ND	7.2
2,3,4,7,8-PeCDF	33.1	7.4	ND	ND	ND	13.6
1,2,3,4,7,8-HxCDF	47.1	7.1	ND	1.9	L	9.5
1,2,3,6,7,8-HxCDF	5.1	1.5	ND	ND	1.5	1.4
2,3,4,6,7,8-HxCDF	2.2	L	ND	0.8	L	ND
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND	ND
1,2,3,4,6,7,8-HpCDF	12.2	7.3	ND	ND	ND	4.8
1,2,3,4,7,8,9-HpCDF	ND	ND	ND	ND	ND	ND
OCDF	ND	ND	ND	ND	ND	ND
2,3,7,8-TCDD	335.9	75.7	ND	ND	7.2	33.2
1,2,3,7,8-PeCDD	4.3	2.4	L	ND	ND	3.6
1,2,3,4,7,8-HxCDD	ND	0.5	L	ND	ND	ND
1,2,3,6,7,8-HxCDD	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-HxCDD	ND	ND	0.4	L	ND	ND
1,2,3,4,6,7,8-HpCDD	4.1	ND	ND	1.1	L	4.9
OCDD	25.4	10.1	L	7.6	L	14.9

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-AKCRT1	NJT04-AKCRT1	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1	NJT04-MLRBLP1	NJT04-MLRBLP1
First fish analytical number	F-1500A	F-1501A	F-1502A	F-1503A	F-1504A	F-1505a	F-1506a
Species	CASAP	CASAP	CASAP	CASAP	CASAP	HOAME	HOAME
Location	Arthur Kill @ Fresh Kill Landfill	Arthur Kill @ Fresh Kill Landfill	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Raritan Bay @ Reach/Chapel Hill	Raritan Bay @ Reach/Chapel Hill
Average total length	14.66	13.66	16.40	15.84	15.20	8.30	8.43
Client Sample ID	3431 H	3432 H	3433 H	3434 H	3435 H	3436 H	3437 H
Organism	Crab	Crab	Crab	Crab	Crab	Lobster	Lobster
Tissue	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas
GERG ID	C45423	C45424	C45425	C45426	C45427	C45428	C45429
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	F1186	F1186	F1186	F1186	F1186	F1186	F1186
Dry Weight	1.55	2.14	1.08	1.52	2.29	1.60	3.00
Wet Weight	4.80	5.53	3.47	4.52	7.46	4.29	8.38
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	32.2	38.7	31.0	33.7	30.7	37.3	35.7
% Lipid	26.3	26.5	24.7	50.4	28.2	45.9	41.0
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1475	T1475	T1475	T1475	T1475	T1475	T1475
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date							
Receive Date	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005
Extraction Date	3/28/2005	3/28/2005	3/28/2005	3/28/2005	3/28/2005	3/28/2005	3/28/2005
Analysis Date	4/12/2005	4/12/2005	4/13/2005	4/13/2005	4/13/2005	4/13/2005	4/13/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	60.5	63.5	61.2	66.7	73.5	68.8	71.6
PCB103*	60.3	63.1	62.5	66.9	72.7	76.6	81.3
PCB198	66.3	71.5	68.6	74.2	87.9	85.1	89.1
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	4377.80	3366.30	5186.46	4631.09	4337.82	4057.99	2696.04
Total PCBs (NOAA Status & Trends)	4334.25	3259.77	5531.58	4522.04	4598.66	4555.91	3210.53
Total DDX	1786.88	1674.54	1729.88	1991.08	1087.34	391.16	280.33

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-AKCR T1	NJT04-AKCR T1	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	
First fish analytical number		F-1500A	F-1501A	F-1502A	F-1503A	F-1503A	F-1504A	F-1504A	F-1504A	F-1505a	F-1505a	F-1506a	F-1506a	
Species		CASAP	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP	HOAME	HOAME	HOAME	HOAME	
Location		Arthur Kill @ Fresh Kill Landfill	Arthur Kill @ Fresh Kill Landfill	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	
Average total length		14.66	13.66	16.40	15.84	15.84	15.20	15.20	15.20	8.30	8.30	8.43	8.43	
Total all chlordanes-related compounds		358.81	346.34	416.56	363.96	363.96	290.90	290.90	290.90	76.39	76.39	46.65	46.65	
Total Hg (ug/g wet wt; ANSP)		0.10	0.10	0.11	0.12	0.12	0.09	0.09	0.09	0.13	0.13	0.12	0.12	
Pesticides (ng/g wet wt)	Method	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	
Chlorinated Benzenes														
Tetrachlorobenzene 1,2,4,5	0.03	11.32		14.30		18.08		25.20		20.14		2.04		0.53
Tetrachlorobenzene 1,2,3,4	0.04	17.10		4.85		31.70		49.63	d	16.31		1.21		1.29
Pentachlorobenzene	0.04	3.70		3.68		5.39		7.94		7.32		0.37		1.14
Hexachlorobenzene	0.02	11.52		12.12		12.72		16.64		12.80		2.39		2.22
Hexachlorocyclohexanes														
Alpha HCH	0.01	0.61		0.62		0.59		0.66		0.57		1.45		1.31
Beta HCH	0.02	1.09		0.72		1.20		1.24		1.08		0.10		1.23
Gamma HCH	0.01	0.31		0.32		0.31		0.38		0.56		0.28		0.45
Delta HCH	0.01		ND		ND		ND	0.23			ND		ND	
Chlordane-related Compounds														
Heptachlor	0.01	4.82		3.88		5.27		6.49		4.35		2.33		1.70
Heptachlor Epoxide	0.02	30.74		29.31		25.78		32.87		24.78		1.71		1.64
Oxychlordane	0.03	147.54	d	153.57	d	200.18	d	150.23	d	116.90	d	24.01		22.40
Alpha Chlordane	0.02	24.90		26.31		15.05		20.10		14.92		8.19		3.76
Gamma Chlordane	0.02	8.00		6.15		6.10		7.02		4.87		2.94		1.95
Cis-Nonachlor	0.02	40.16		34.62		49.43		44.04	d	39.10	d	12.53		5.29
Trans-Nonachlor	0.04	102.67	d	92.49	d	114.05	d	103.21	d	86.00	d	24.68		9.91
Other Cyclodiene Pesticides														
Aldrin	0.02	2.70		1.77		2.34		1.71		1.36		0.12		0.22
Dieldrin	0.05	82.61	d	39.61	d	56.24		68.49	d	48.06	d	23.66		19.76
Endrin	0.04	6.31		4.05		8.01		7.48		6.58		2.29		1.12
Pesticides		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	
Other Chlorinated Pesticides														
Pentachloroanisole	0.01	2.49		1.49		2.26		2.72		1.89		1.23		1.58
Chlorpyrifos	0.05		ND		ND	9.85		2.87			ND		ND	0.02
Mirex	0.01	1.67		1.37		4.55		3.03		3.14		6.95		5.50

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-AKCR1	NJT04-AKCR1	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1	NJT04-SICRT1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1
First fish analytical number		F-1500A	F-1501A	F-1502A	F-1503A	F-1504A	F-1505a	F-1506a	F-1507a	F-1508a	F-1509a	F-1510a	F-1511a
Species		CASAP	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP	CASAP	HOAME	HOAME	HOAME	HOAME
Location		Arthur Kill @ Fresh Kill Landfill	Arthur Kill @ Fresh Kill Landfill	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill
Average total length		14.66	13.66	16.40	15.84	15.20	8.30	8.43					
Endosulfan II	0.02	2.66	2.48	1.65	3.32	1.91	4.14	1.35					
DDTs and Related Compounds													
2,4' DDE	0.02	7.63	7.44	5.06	4.63	2.37	4.89	2.30					
4,4' DDE	0.06	995.73	786.84	1136.88	1225.45	757.73	309.62	236.44	d	d	d	d	d
2,4' DDD	0.02	16.02	17.21	22.85	21.80	28.29	18.40	7.79					
4,4' DDD	0.04	733.37	740.93	539.53	653.96	274.85	37.89	21.87	d	d	d	d	d
2,4' DDT	0.00	12.67	14.92	15.76	16.27	16.15	14.68	9.44					
4,4' DDT	0.01	21.45	107.20	9.80	68.96	7.95	5.67	2.49					
Individual PCBs (ng/g wet wt)													
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02	ND	ND	ND	ND	9.00	ND	0.05	ND	1.84	ND	ND	ND
PCB7/9*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB8/5	0.02	3.61	ND	2.83	ND	3.16	ND	3.28	ND	2.52	ND	3.77	ND
PCB30*	0.02	0.15	ND	0.16	ND	0.47	ND	0.57	ND	0.56	ND	0.14	ND
PCB18/17	0.02	3.23	ND	2.90	ND	2.85	ND	2.61	ND	2.99	ND	4.01	ND
PCB15*	0.02	7.31	ND	7.22	ND	7.50	ND	7.85	ND	7.96	ND	4.59	ND
PCB24/27*	0.02	3.85	ND	2.67	ND	1.77	ND	1.73	ND	1.73	ND	0.67	ND
PCB16/32*	0.02	2.89	ND	2.41	ND	2.38	ND	2.81	ND	2.20	ND	4.68	ND
PCB29	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB26*	0.02	2.25	ND	1.40	ND	2.11	ND	2.15	ND	1.70	ND	1.41	ND
PCB25*	0.02	ND	ND	ND	ND	ND	ND	4.42	ND	4.42	ND	ND	ND
PCB31*	0.02	3.31	ND	2.19	ND	2.21	ND	3.50	ND	9.60	ND	6.71	ND
PCB28	0.02	187.82	d	141.27	d	191.42	d	162.18	d	162.18	d	56.78	d
PCB33/20*	0.02	4.11	ND	1.87	ND	4.52	ND	3.73	ND	1.49	ND	4.53	ND
PCB53*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB22/51*	0.02	3.71	ND	2.33	ND	2.70	ND	3.31	ND	2.17	ND	4.34	ND
PCB45*	0.02	ND	ND	ND	ND	ND	ND	ND	ND	0.87	ND	0.87	ND
PCB46*	0.02	ND	ND	ND	ND	1.22	ND	1.22	ND	0.98	ND	0.98	ND
PCB39*	0.02	1.20	ND	0.85	ND	1.04	ND	0.90	ND	1.04	ND	0.66	ND
PCB69*	0.02	23.69	ND	11.22	ND	19.37	ND	15.35	ND	10.28	ND	0.85	ND
PCB52	0.02	8.80	ND	9.79	ND	7.35	ND	7.59	ND	9.89	ND	28.17	ND
PCB49*	0.02	8.96	ND	8.10	ND	5.03	ND	5.66	ND	4.67	ND	17.97	ND
PCB47/75*	0.02	203.24	d	160.58	d	253.65	d	235.35	d	239.70	d	76.11	d

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-AKCR T1		NJT04-AKCR T1		NJT04-SICRTI		NJT04-SICRTI		NJT04-SICRTI		NJT04-MLRBLP1		NJT04-MLRBLP1
First fish analytical number		F-1500A		F-1501A		F-1502A		F-1503A		F-1504A		F-1505a		F-1506a
Species		CASAP		CASAP		CASAP		CASAP		CASAP		HOAME		HOAME
		Arthur Kill @		Arthur Kill @		Newark Bay @		Newark Bay @		Newark Bay @		Raritan Bay @		Raritan Bay @
Location		Fresh Kill		Fresh Kill		Shooters Island		Shooters Island		Shooters Island		Reach/Chapel		Reach/Chapel
Average total length		14.66		13.66		16.40		15.84		15.20		8.30		8.43
PCB48*	0.02	7.46		9.62		11.56		8.95		10.20		4.04		3.15
PCB44	0.02		ND		ND		ND		ND	1.59		3.83		1.55
PCB42/59/37*	0.02	17.12		15.30		17.25		19.05		16.01		6.39		3.02
PCB72*	0.02	3.02		1.66		2.18		2.24		1.37		1.88		1.59
PCB41/64*	0.02	25.55		14.64		16.29		21.25		17.23		48.22	d	29.54
PCB40*	0.02	4.07		3.25		3.18		3.49		2.38		1.17		0.67
PCB67*	0.02	14.37		10.56		18.33		16.98		16.67		3.68		4.20
PCB63*	0.02		ND		ND		ND		ND		ND		ND	ND
PCB74/61*	0.02	218.77	d	170.74	d	257.50	d	260.47	d	208.32	d	93.80	d	74.54
PCB70*	0.02	39.79	d	30.18	d	48.76	d	35.74	d	33.62	d	38.22		16.08
PCB66	0.02	240.51	d	190.10	d	272.08	d	281.31	d	229.57	d	122.44	d	96.39
PCB95/80*	0.02	11.13		7.78		10.02		10.45		8.77		9.33		4.41
PCB55/91*	0.02	46.09	d	29.12	d	43.00	d	36.25	d	33.09	d	19.02		11.74
PCB56/60*	0.02	60.72	d	53.77	d	59.45	d	84.88	d	68.99	d	45.86		19.41
PCB92*	0.02	84.46	d	82.36	d	64.75	d	68.03	d	54.52	d	52.87	d	25.87
PCB84*	0.02	7.37		3.09		10.21		8.94		6.42		3.54		0.78
PCB101/90	0.02	50.99	d	36.03	d	52.71		42.72	d	36.50	d	115.05	d	56.68
PCB99*	0.02	280.39	d	204.28	d	365.83	d	329.79	d	331.71	d	235.91	d	160.67
PCB119*	0.02	37.40		29.03		42.02		37.58		36.88		19.19		11.48
PCB83*	0.02	422.17	d	341.35	d	350.91	d	366.68	d	192.35	d	19.10		8.92
PCB97*	0.02	9.55		7.59		7.70		5.21		6.13		7.01		2.09
PCB87/115	0.03	10.88		10.09		13.42		12.79		12.41		12.97		5.45
PCB85*	0.02	10.82		23.78		28.50		24.99		8.56	d	27.78		21.05
PCB136*	0.02	7.64		7.79		10.21		8.50		6.56		4.74		1.81
PCB110/77	0.02	36.34		26.85		31.26		36.63		24.57	d	86.74	d	37.32
PCB82*	0.02	20.60		13.96		20.34		19.82		13.83		8.69		4.48
PCB151*	0.02	3.27		3.02		3.36		2.75		2.88		25.61		7.05
PCB135*	0.02	22.51		23.88		8.59		29.86	d	7.45		16.35		6.95
PCB107*	0.02	28.54		21.28		33.56		36.31		28.97	d	39.75	d	24.19
PCB149/123*	0.02	26.81		23.96		31.59		37.02	d	34.53	d	60.84	d	19.64
PCB118	**	337.79	d	253.24	d	433.88	d	400.87	d	353.43	d	302.30	d	230.11
PCB114*	**		ND		ND		ND		ND		ND		ND	ND
PCB146*	0.02	76.50	d	54.83	d	102.35	d	88.62	d	98.32	d	125.05	d	94.35
PCB153/132	0.05	449.16	d	334.84	d	681.15	d	526.78	d	531.73	d	596.15	d	418.63
PCB105	**	82.36	d	64.61	d	108.92	d	103.42	d	104.54	d	73.91	d	55.30

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-AKCR T1	NJT04-AKCR T1	NJT04-SICRTI	NJT04-SICRTI	NJT04-SICRTI	NJT04-SICRTI	NJT04-MLRBLP1	NJT04-MLRBLP1
First fish analytical number		F-1500A	F-1501A	F-1502A	F-1503A	F-1504A	F-1505a	F-1506a	
Species		CASAP	CASAP	CASAP	CASAP	CASAP	HOAME Mid-lower Raritan Bay @ Raritan	HOAME Mid-lower Raritan Bay @ Raritan	
Location		Arthur Kill @ Fresh Kill Landfill	Arthur Kill @ Fresh Kill Landfill	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Newark Bay @ Shooters Island	Reach/Chapel Hill	Reach/Chapel Hill	
Average total length		14.66	13.66	16.40	15.84	15.20	8.30	8.43	
PCB141/179*	0.02	6.37	7.43	4.73	5.11	5.72	31.05	7.77	
PCB130*	0.02	18.69	15.65	25.69	27.01	26.15	22.73	14.46	
PCB176/137**	0.02	10.84	5.25	9.49	11.44	8.94	28.94	15.02	
PCB138/160	0.03	281.95	d	210.12	d	370.30	d	315.09	d
PCB158*	0.02	58.57	d	44.93	d	79.85	d	68.30	d
PCB129*	0.02	0.89	1.07	ND	ND	1.22	ND	ND	ND
PCB178*	0.02	18.32	13.72	23.01	22.06	23.91	32.65	20.92	
PCB166*	0.02	0.99	0.76	1.42	1.12	1.29	1.90	0.95	
PCB175*	0.02	8.06	5.81	11.39	12.21	12.03	9.51	5.31	
PCB187	0.02	138.31	d	92.27	d	162.90	d	147.95	d
PCB183 *	0.02	54.08	d	35.11	d	71.96	d	57.72	d
PCB128	0.01	37.86	d	31.12	d	46.22	d	42.41	d
PCB167*	0.02	19.70	15.39	31.24	28.64	24.30	d	30.48	22.27
PCB185 *	0.02	0.89	0.45	0.46	0.89	1.29	3.71	1.21	
PCB174*	0.02	2.69	2.23	0.98	1.19	1.76	12.68	4.22	
PCB177*	0.02	17.99	9.47	13.20	17.20	11.12	38.68	21.02	
PCB171/202**	0.02	20.63	17.46	25.80	23.57	26.53	39.62	22.85	
PCB156*	0.02	39.58	d	30.73	d	56.94	d	48.22	d
PCB201/157/173**	0.01	14.64	11.97	21.04	20.22	22.65	25.22	15.82	
PCB172*	0.01	9.62	7.53	10.10	9.94	9.80	14.21	8.69	
PCB197*	0.02	1.73	1.39	2.11	1.62	2.17	2.76	1.45	
PCB180	0.01	264.14	d	198.78	d	347.60	d	307.00	d
PCB193*	0.02	9.72	7.78	10.93	11.54	9.96	15.43	10.20	
PCB191*	0.02	3.12	2.60	3.65	4.16	3.15	3.49	1.91	
PCB200*	0.02	0.88	0.63	1.33	1.43	1.23	1.70	0.80	
PCB170/190	0.02	48.86	d	37.66	d	52.47	d	46.63	d
PCB199*	0.02	32.38	24.34	27.35	33.29	38.91	d	65.97	d
PCB203/196*	0.02	32.83	26.59	35.28	35.43	31.45	d	57.10	d
PCB189*	0.02	3.32	2.58	4.65	4.16	3.66	7.37	3.43	
PCB195/208	0.01	11.21	8.59	10.81	10.98	11.99	24.63	15.73	
PCB207*	0.02	1.96	1.43	2.21	2.22	2.37	3.98	2.77	
PCB194*	0.02	20.82	16.74	23.92	22.97	23.02	41.13	26.97	d
PCB205 *	0.02	2.43	1.97	3.04	2.95	2.36	3.87	2.13	
PCB206	0.01	11.34	8.79	12.30	12.14	11.81	26.59	18.24	
PCB209	0.01	9.18	6.94	9.67	10.25	10.01	11.33	9.32	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number First fish analytical number Species	NJT04-AKCR T1 F-1500A CASAP	NJT04-AKCR T1 F-1501A CASAP	NJT04-SICR T1 F-1502A CASAP	NJT04-SICR T1 F-1503A CASAP	NJT04-SICR T1 F-1504A CASAP	NJT04-MLRBLP1 F-1505a HOAME Mid-lower Raritan Bay @ Raritan	NJT04-MLRBLP1 F-1506a HOAME Mid-lower Raritan Bay @ Raritan							
Location Average total length	Arthur Kill @ Fresh Kill Landfill 14.66	Arthur Kill @ Fresh Kill Landfill 13.66	Newark Bay @ Shooter's Island 16.40	Newark Bay @ Shooter's Island 15.84	Newark Bay @ Shooter's Island 15.20	Reach/Chapel Hill 8.30	Reach/Chapel Hill 8.43							
<i>WHO PCBs</i>	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
<i>Planar PCBs</i>														
PCB 77 (CL4)	19.15		18.65		27.02		31.84		28.25		9.76		6.60	
PCB 81 (CL4)	0.66		0.72		1.64		1.07		0.89		0.45		0.21	
PCB 126 (CL5)	0.58		0.56		0.97		1.01		0.92		0.97		0.38	
PCB 169 (CL6)	0.05		0.05		ND		0.08		0.06		0.04			ND
<i>Mono-Ortho PCBs</i>														
<i>(Planar PCBs; ng/g wet wt)</i>														
PCB 105 (CL5)	69.60		62.82		110.90		124.12		108.05		85.99		49.67	
PCB 114 (CL5)	4.55		4.04		5.90		7.75		7.97		3.20		1.80	
PCB 118 (CL5)	333.39		258.30		467.30		484.36		459.85		328.75		222.15	
PCB 123 (CL5)	15.51		3.63		6.36		25.67		32.68		31.55		19.73	
PCB 156 (CL6)	19.70		20.99		29.66		33.61		37.90		26.15		17.32	
PCB 157 (CL6)	5.41		4.13		8.23		8.29		8.05		9.43		5.15	
PCB 167 (CL6)	13.98		12.84		23.16		21.73		25.99		19.58		12.73	
PCB 189 (CL7)	2.13		1.31		2.99		2.87		2.85		2.74		1.73	
<i>PCDD/PCDF Compounds (pg/g wet wt)</i>														
2,3,7,8-TCDF	86.4		65.7		153.2		97.3		113.8		118.4		79.4	
1,2,3,7,8-PeCDF	7.1	L	7.0	L	12.2	L	8.6	L	8.2		12.1		10.0	
2,3,4,7,8-PeCDF	11.1		ND		14.9		24.3		18.5		24.8		26.9	
1,2,3,4,7,8-HxCDF	5.0	L	4.9	L	16.4		24.7		16.2		6.6	L	6.2	
1,2,3,6,7,8-HxCDF		ND	2.9	L	4.2	L	7.5	L		ND	3.8	L		ND
2,3,4,6,7,8-HxCDF		ND		ND		ND	4.0	L		ND	5.8	L	5.3	L
1,2,3,7,8,9-HxCDF		ND		ND		ND		ND		ND		ND		ND
1,2,3,4,6,7,8-HpCDF	7.8	L	4.4	L	7.9	L	7.1	L	5.0	L	1.6	L		ND
1,2,3,4,7,8,9-HpCDF		ND		ND		ND		ND		ND		ND		ND
OCDF		ND		ND		ND	9.1	L		ND		ND		ND
2,3,7,8-TCDD	46.9		65.7		124.1		199.2		97.2		33.3		25.1	
1,2,3,7,8-PeCDD	6.3	L	7.0	L	7.5	L		ND	4.8	L	13.9		11.0	
1,2,3,4,7,8-HxCDD	1.2	L		ND		ND		ND		ND		ND		ND
1,2,3,6,7,8-HxCDD	5.2	L	4.9	L		ND	8.4	L	2.7	L	25.2		32.9	
1,2,3,7,8,9-HxCDD	1.5	L	2.9	L	1.7	L		ND		ND		ND	6.7	
1,2,3,4,6,7,8-HpCDD	4.9	L		ND	3.5	L	16.4		2.4	L	16.8		20.1	
OCDD	16.8	L		ND	10.0	L	197.8		5.2	L	23.1	L	16.0	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-NYBLP1	NJT04-NYBLP1	NJT04-NYBLP1	NJT04-NYBLP1
First fish analytical number	F-1507a	F-1508a	F-1509a	F-1510a	F-1511b	F-1512a	F-1513a
Species	HOAME	HOAME	HOAME	HOAME	HOAME	HOAME	HOAME
Location	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole
Average total length	9.53	9.17	8.70	8.63	8.70	8.53	8.90
Client Sample ID	3456 H	3457 H	3458 H	3459 H	3460 H	3461 H	3462 H
Organism	Lobster	Lobster	Lobster	Lobster	Lobster	Lobster	Lobster
Tissue	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas	Hepatopancreas
GERG ID	C45430	C45431	C45432	C45433	C45434	C45435	C45436
Sample Type	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP	SAMP
SDG	F1186	F1186	F1186	F1186	F1186	F1186	F1186
Dry Weight	3.50	3.67	2.89	3.52	3.17	3.35	3.27
Wet Weight	10.07	10.01	8.57	10.05	13.74	10.34	8.64
Sample Size Units	Grams	Grams	Grams	Grams	Grams	Grams	Grams
Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
% solid	34.8	36.7	33.8	35.0	23.1	32.4	37.9
% Lipid	40.2	35.2	36.3	46.4	34.5	36.4	49.7
Reporting Units	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g	ng/g
Calculation Basis (dry/wet)	Wet	Wet	Wet	Wet	Wet	Wet	Wet
QC Batch ID	T1475	T1475	T1475	T1475	T1475	T1475	T1475
Method	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD	GCECD
Collection Date							
Receive Date	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005	1/20/2005
Extraction Date	3/28/2005	3/28/2005	3/28/2005	3/28/2005	3/28/2005	3/28/2005	3/28/2005
Analysis Date	4/13/2005	4/13/2005	4/13/2005	4/13/2005	4/13/2005	4/13/2005	4/13/2005
Surrogate Compounds	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery	%Recovery
DBOFB	104.6	81.8	71.7	60.2	64.5	81.5	67.8
PCB103*	109.4	99.6	88.8	61.9	76.4	83.7	77.7
PCB198	114.9	89.9	80.0	63.5	72.7	91.5	72.2
Totals (ng/g wet except Hg)	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
Total PCBs	643.45	318.85	982.30	534.68	207.84	1267.12	334.21
Total PCBs (NOAA Status & Trends)	730.22	370.32	1102.78	588.22	258.71	1470.62	351.43
Total DDX	85.59	45.05	102.24	60.21	41.90	133.58	61.06

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-NYBLP1	NJT04-NYBLP1	NJT04-NYBLP1	NJT04-NYBLP1							
First fish analytical number		F-1507a	F-1508a	F-1509a	F-1510a	F-1511b	F-1512a	F-1513a							
Species		HOAME	HOAME	HOAME	HOAME	HOAME	HOAME	HOAME							
Location		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole							
Average total length		9.53	9.17	8.70	8.63	8.70	8.53	8.90							
Total all chlordane-related compounds		20.31	14.00	16.71	16.23	8.91	28.71	16.67							
Total Hg (ug/g wet wt; ANSP)		0.14	0.16	0.09	0.08	0.06	0.11	0.08							
Pesticides (ng/g wet wt)	MCLs	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Chlorinated Benzenes															
Tetrachlorobenzene 1,2,4,5	0.03	0.89		0.51		1.14		1.00		0.40		0.44		4.39	
Tetrachlorobenzene 1,2,3,4	0.04	1.32		3.74		1.79		2.77		2.75		0.90		8.27	
Pentachlorobenzene	0.04	1.38		1.05		0.67		1.82		0.33		0.34		2.36	
Hexachlorobenzene	0.02	2.38		1.91		1.97		2.36		1.48		2.43		3.01	
Hexachlorocyclohexanes															
Alpha HCH	0.01	1.04		0.59		1.40		1.87		0.94		1.70		2.59	
Beta HCH	0.02	0.29		0.41		0.33		0.46		0.46		0.48		0.11	
Gamma HCH	0.01	0.22			ND	0.46		0.43		0.38		0.43		0.53	
Delta HCH	0.01	0.37			ND	0.33		0.37		0.62			ND	0.32	
Chlordane-related Compounds															
Heptachlor	0.01	0.62		0.65		1.03		0.61		0.54		1.02		1.27	
Heptachlor Epoxide	0.02	1.20		1.32		1.10		1.18		0.99		0.94		1.71	
Oxychlordane	0.03	6.57		4.76		7.55		5.67		3.77		11.35		6.68	
Alpha Chlordane	0.02	2.61		1.09		1.01		1.94		0.64		3.25		1.24	
Gamma Chlordane	0.02	0.63		0.75		0.29		0.77		0.23		0.78		0.51	
Cis-Nonachlor	0.02	2.46		1.64		2.79		1.78		0.88		3.45		1.29	
Trans-Nonachlor	0.04	6.21		3.77		2.93		4.29		1.86		7.92		3.98	
Other Cyclodiene Pesticides															
Aldrin	0.02		ND		ND	0.17		0.21			ND	0.20		0.16	
Dieldrin	0.05	10.40		6.57		9.43		9.43		4.55		12.67		9.85	
Endrin	0.04	1.06		0.38				0.53		0.97					
Pesticides	MCLs	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
Other Chlorinated Pesticides															
Pentachloroanisole	0.01	1.44		1.19		1.10		1.49		0.81		1.29		2.01	
Chlorpyrifos	0.06	0.05	J	0.33			ND	0.38			ND	0.17			ND
Mirex	0.01	1.42		1.26		2.56		1.14		0.35		3.29		0.77	
Endosulfan II	0.02	0.38		0.17		0.90		0.35		0.11		0.39		0.15	
DDTs and Related Compounds															

Summary of Chemical Contaminant Concentrations: Task II

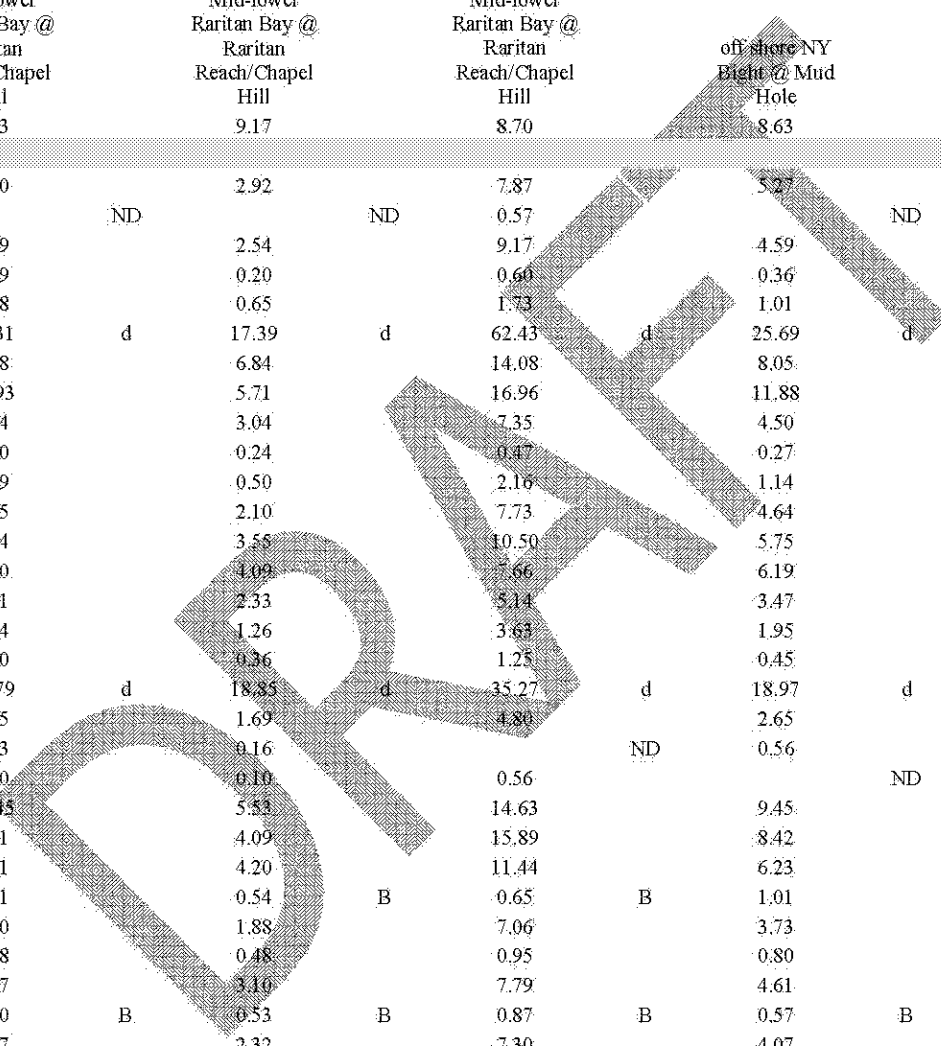
Serial Number		NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	
First fish analytical number		F-1507a	F-1508a	F-1509a	F-1510a	F-1511b	F-1512a	F-1513a							
Species		HOAME	HOAME	HOAME	HOAME	HOAME	HOAME	HOAME							
Location		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole							
Average total length		9.53	9.17	8.70	8.63	8.70	8.53	8.90							
2,4' DDE	0.02	1.01	0.85	0.07	0.74	0.24	0.69	0.35							
4,4' DDE	0.06	67.05	d	36.82	d	82.03	d	45.60	d	38.23	106.36	d	52.69		
2,4' DDD	0.07	2.71		1.58		7.44		1.70		0.54	3.47		0.89		
4,4' DDD	0.01	10.37		3.67		6.79		8.35		1.56	13.67		4.24		
2,4' DDT	0.06	3.36		1.30		3.41		2.68		0.85	6.02		1.60		
4,4' DDT	0.04	1.09		0.82		2.49		1.15		0.48	1.37		1.28		
<i>Individual PCBs (ng/g wet wt)</i>															
		Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
PCB1*	0.02	3.64		2.26		1.52		6.66		1.21		1.20		32.15	
PCB7/9*	0.02		ND		ND		ND		ND		ND		ND		ND
PCB8/5	0.02	5.17		2.35		4.31		6.12		3.58		4.04		8.00	
PCB30*	0.02		ND		ND		ND		ND		ND		ND		ND
PCB18/17	0.02	2.69		0.98		1.51		1.37		0.58		2.29		4.41	
PCB15*	0.02	1.46		0.80		1.37		1.04		0.34		1.90		1.76	
PCB24/27*	0.02	0.76			ND		ND	0.39		0.26		0.68			ND
PCB16/32*	0.02	2.94		1.39		2.12		2.25		0.92		2.44		4.22	
PCB29	0.02		ND		ND		ND		ND	0.25			ND		ND
PCB26*	0.02	0.47		0.14		0.58					ND	1.10			ND
PCB25*	0.02		ND		ND		ND		ND		ND		ND		ND
PCB31*	0.02	1.42		0.17		0.85		0.93		0.21		1.67		0.38	
PCB28	0.02	7.15		1.32		15.07		7.73		1.80		17.44	d	3.90	
PCB33/20*	0.02	0.65		0.63		1.93		0.70		0.30		1.40		0.59	
PCB53*	0.02		ND		ND		ND		ND		ND		ND		ND
PCB22/51*	0.02	1.60			ND	1.78		2.07			ND	1.51		3.74	
PCB45*	0.02		ND		ND		ND		ND		ND		ND		ND
PCB46*	0.02		ND	1.42		5.46				0.28		0.83		0.61	
PCB39*	0.02		ND		ND		ND		ND		ND	0.66		0.94	
PCB69*	0.02		ND		ND		ND		ND		ND		ND		ND
PCB52	0.02	7.62		2.05		4.02		5.77		0.87		8.70		1.06	
PCB49*	0.02	6.30		1.74		6.59			ND		ND	4.61			ND
PCB47/75*	0.02	14.32		2.29		22.46	d	13.93		2.67		25.39	d	4.41	
PCB48*	0.02	0.93		0.24		1.07		0.93		0.17		1.28		0.60	
PCB44	0.02	0.62	B	0.39	B	0.27	B	0.93	B	0.37	B	1.38	B	0.97	B
PCB42/59/37*	0.02	0.66		0.30		0.80		1.88		0.62		2.15		0.36	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-NYBLP1	NJT04-NYBLP1	NJT04-NYBLP1	NJT04-NYBLP1	NJT04-NYBLP1
First fish analytical number		F-1507a	F-1508a	F-1509a	F-1510a	F-1511b	F-1512a	F-1513a	
Species		HOAME	HOAME	HOAME	HOAME	HOAME	HOAME	HOAME	
Location		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole
Average total length		9.53	9.17	8.70	8.63	8.70	8.53	8.90	
PCB72*	0.02	0.68	1.03	1.77	2.08	1.11	0.91	2.64	
PCB41/64*	0.02	8.36		ND	7.06	2.62	0.24	11.38	ND
PCB40*	0.02	0.16		ND		ND	0.21	0.11	0.32
PCB67*	0.02	1.20	4.92	18.09	1.00	1.79	1.48	2.00	
PCB63*	0.02		ND	ND	ND	ND	ND	ND	ND
PCB74/61*	0.02	14.12	4.58	23.62	d	17.20	3.44	32.21	d
PCB70*	0.02	4.49	2.17	2.95	d	4.67	0.53	8.10	2.58
PCB66	0.02	15.84	3.87	34.87	d	13.35	d	40.83	d
PCB95/80*	0.02	0.54	0.90	1.25	2.18	0.15	2.73	0.17	0.17
PCB55/91*	0.02	2.79	2.16	3.05	3.31	1.10	5.95	1.71	1.71
PCB56/60*	0.02	5.74	2.02	5.83	5.26	1.62	12.01	2.63	2.63
PCB92*	0.02	8.75	3.28	4.43	6.12	2.20	12.14	2.91	2.91
PCB84*	0.02	0.52		ND	0.20		ND	0.04	0.00
PCB101/90	0.02	16.04	d	9.10	10.17	11.88	d	5.26	26.81
PCB99*	0.02	30.83	d	16.51	73.31	d	11.99	70.31	d
PCB119*	0.02	3.24	1.29	5.96	2.39	0.74	5.37	1.86	1.86
PCB83*	0.02	3.91	1.60	3.58	2.50	0.21	4.01	2.11	2.11
PCB97*	0.02	0.97	0.66	0.59	0.43		ND	1.15	1.42
PCB87/115	0.03	2.01	0.46	1.03	1.30	0.24	3.62	0.77	0.77
PCB85*	0.02	3.37	1.85	7.66	2.72	1.32	10.50	2.18	2.18
PCB136*	0.02	0.99	1.22	0.34	0.50	0.15	0.85	0.13	0.13
PCB110/77	0.02	12.69	3.13	11.81	9.53	1.89	15.73	d	1.99
PCB82*	0.02	4.82	3.51	3.39	3.71	3.04	3.94	4.01	4.01
PCB151*	0.02	3.07	1.08	8.10	2.21	0.56	4.52	0.67	0.67
PCB135*	0.02	2.72	0.96	3.74	1.97	0.44	3.89	1.01	1.01
PCB107*	0.02	6.60	2.40	12.15	5.86	1.66	17.10	1.06	1.06
PCB149/123*	0.02	6.12	2.74	9.82	5.75	1.24	9.63	1.97	1.97
PCB118	* 0.02	45.41	d	19.71	75.04	d	38.17	d	13.00
PCB114*	* 0.02		ND	ND	ND	ND	ND	ND	ND
PCB146*	0.02	21.95	d	11.38	33.62	d	15.79	d	7.04
PCB153/132	0.03	97.78	d	54.62	143.74	d	74.87	d	42.27
PCB105	* 0.01	11.49		5.34	14.93		11.59		3.29
PCB141/179*	0.02	2.74	1.46	3.31	2.15	0.73	4.82	1.26	1.26
PCB130*	0.02	4.06	2.88	5.06	4.01	1.39	8.94	2.46	2.46
PCB176/137*	0.02	3.60	1.94	5.75	3.39	1.36	8.07	0.99	0.99
PCB138 /160	0.03	58.74	d	32.39	99.72	d	45.98	d	24.35

Summary of Chemical Contaminant Concentrations: Task II

Serial Number		NJT04-MLRBLP1		NJT04-MLRBLP1		NJT04-MLRBLP1		NJT04-NYBLP1		NJT04-NYBLP1		NJT04-NYBLP1		NJT04-NYBLP1
First fish analytical number		F-1507a		F-1508a		F-1509a		F-1510a		F-1511b		F-1512a		F-1513a
Species		HOAME		HOAME		HOAME		HOAME		HOAME		HOAME		HOAME
Location		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill		Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill		off shore NY Bight @ Mud Hole		off shore NY Bight @ Mud Hole		off shore NY Bight @ Mud Hole		off shore NY Bight @ Mud Hole
Average total length		9.53		9.17		8.70		8.63		8.70		8.53		8.90
PCB158*	0.02	5.70		2.92		7.87		5.27		1.88		16.44		2.38
PCB129*	0.02		ND		ND	0.57			ND		ND		ND	0.13
PCB178*	0.02	5.29		2.54		9.17		4.59		1.58		11.98		1.68
PCB166*	0.02	0.29		0.20		0.60		0.36		0.09		0.40		0.02
PCB175*	0.02	1.18		0.65		1.73		1.01		0.47		2.89		0.55
PCB187	0.02	31.31	d	17.39	d	62.43	d	25.69	d	10.74		70.27	d	13.81
PCB183 *	0.02	9.58		6.84		14.08		8.05		3.91		16.51		5.80
PCB128	0.01	12.93		5.71		16.96		11.88		2.86		16.55	d	3.51
PCB167*	* 0.02	5.34		3.04		7.35		4.50		1.49		11.55		2.34
PCB185 *	0.02	0.30		0.24		0.47		0.27		0.10		0.70		0.25
PCB174*	0.02	1.29		0.50		2.16		1.14		0.21		2.30		0.22
PCB177*	0.02	5.05		2.10		7.73		4.64		1.63		12.50		2.35
PCB171/202*	0.02	6.64		3.58		10.50		5.75		1.87		14.07		2.38
PCB156*	* 0.02	7.30		4.09		7.66		6.19		1.63		13.65	d	2.33
PCB201/157/173*	0.01	4.21		2.33		5.14		3.47		1.17		9.02		1.80
PCB172*	0.01	2.14		1.26		3.63		1.95		0.77		4.91		1.19
PCB197*	0.02	0.50		0.36		1.25		0.45		0.16		0.87		0.25
PCB180	0.01	30.79	d	18.35	d	35.27	d	18.97	d	8.96		51.26	d	10.50
PCB193*	0.02	3.05		1.69		4.80		2.65		0.86		5.91		1.29
PCB191*	0.02	0.53		0.16			ND	0.56		0.10		1.02		0.07
PCB200*	0.02	0.40		0.10		0.56			ND		ND	0.19		0.06
PCB170/190	0.02	10.45		5.53		14.63		9.45		2.93		18.69	d	3.68
PCB199*	0.02	8.31		4.09		15.89		8.42		2.30		20.97	d	2.90
PCB203/196*	0.02	6.81		4.20		11.44		6.23		1.87		17.37		2.17
PCB189*	* 0.02	1.01		0.54	B	0.65	B	1.01		0.29	B	1.67		0.49
PCB195/208	0.01	3.80		1.88		7.06		3.73		1.23		9.15		1.30
PCB207*	0.02	0.88		0.48		0.95		0.80		0.30		1.73		0.32
PCB194*	0.02	5.07		3.10		7.79		4.61		1.38		12.91		1.74
PCB205.*	0.02	0.60	B	0.53	B	0.87	B	0.57	B	0.34	B	1.32		0.42
PCB206	0.01	4.37		2.32		7.30		4.07		1.72		10.17		1.71
PCB209	0.01	2.91		1.36	B	4.08		2.56		1.48		5.93		1.57



WHO PCBs
Planar PCBs
PCB 77 (CL4)

	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL	Concentration	DB QUAL
	1.09		0.39		3.19		1.55		0.33		4.29		0.45	

Summary of Chemical Contaminant Concentrations: Task II

Serial Number	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-MLRBLP1	NJT04-NYBLP1	NJT04-NYBLP1	NJT04-NYBLP1	NJT04-NYBLP1
First fish analytical number	F-1507a	F-1508a	F-1509a	F-1510a	F-1511b	F-1512a	F-1513a
Species	HOAME	HOAME	HOAME	HOAME	HOAME	HOAME	HOAME
Location	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	Mid-lower Raritan Bay @ Raritan Reach/Chapel Hill	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole	off shore NY Bight @ Mud Hole
Average total length	9.53	9.17	8.70	8.63	8.70	8.53	8.90
PCB 81 (CL4)	0.03	0.02	0.11	0.04	0.01	0.13	0.01
PCB 126 (CL5)	0.15	0.08	0.16	0.06	0.05	0.23	0.05
PCB 169 (CL6)	0.03	0.02	0.05	0.02	0.01	0.04	0.01

**Mono-Ortho PCBs
(Planar PCBs; ng/g wet wt)**

PCB 105 (CL5)	10.91	5.38	20.54	10.42	3.22	30.32	4.92
PCB 114 (CL5)	0.43	0.21	0.80	0.43	0.12	1.20	0.18
PCB 118 (CL5)	49.87	25.72	95.15	47.62	13.84	130.54	19.26
PCB 123 (CL5)	3.84	1.94	3.92	3.72	1.25	11.81	1.65
PCB 156 (CL6)	3.72	2.23	6.74	3.19	0.78	10.66	1.22
PCB 157 (CL6)	1.32	0.73	2.00	1.03	0.30	3.10	0.46
PCB 167 (CL6)	3.44	2.02	5.70	2.94	0.78	8.30	1.13
PCB 189 (CL7)	0.37	0.25	0.81	0.33	0.10	0.97	0.12

PCDD/PCDF Compounds (pg/g wet wt)

	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
2,3,7,8-TCDF	19.0	13.1	25.6	16.1		34.2	7.7
1,2,3,7,8-PeCDF	3.1	L	3.0	L	1.0	L	4.4
2,3,4,7,8-PeCDF	7.3		6.0		3.7		9.6
1,2,3,4,7,8-HxCDF	ND	L	0.3	L	ND	ND	1.6
1,2,3,6,7,8-HxCDF	ND	ND		ND	ND	ND	
2,3,4,6,7,8-HxCDF	ND	ND	3.9	L	ND	ND	1.7
1,2,3,7,8,9-HxCDF	ND	ND		ND	ND	ND	
1,2,3,4,6,7,8-HpCDF	ND	ND		ND	ND	ND	0.6
1,2,3,4,7,8,9-HpCDF	ND	ND		ND	ND	ND	
OCDF	ND	ND		ND	ND	ND	
2,3,7,8-TCDD	1.7	0.6	L	8.3	3.9		17.2
1,2,3,7,8-PeCDD	2.2	L	ND	8.5	2.5	L	6.1
1,2,3,4,7,8-HxCDD	ND	ND	ND	1.4	L	ND	
1,2,3,6,7,8-HxCDD	ND	ND	ND	11.3	4.6	L	14.1
1,2,3,7,8,9-HxCDD	ND	ND	ND	3.2	L	ND	5.7
1,2,3,4,6,7,8-HpCDD	ND	4.0	L	5.8	L	L	10.5
OCDD	ND	8.6	L	5.1	L	L	17.4