NAS Jacksonville Administrative Record
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ST. JOHNS RIVER

WATER MANAGEMENT DISTRICT

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August 1, 1991

Mr. Kevin Gartland
NAS-Jacksonville
Box 5, Code 184
Jacksonville, FL 32212-5000

Dear Kevin:

Enclosed is a copy of sediment data collected for the District by Dr. Joe Delfino of the Environmental Engineering Department at the University of Florida. It was part of a large, District wide sediment analysis program in 1989 of which I was just notified (another example of the right hand not knowing what the left is doing). Similar to a number of other projects, this information has not been developed into a formal report. If you would like to include this information in any kind of report or release, please contact me first.

If you are not familiar with Dr. Delfino, you should know that he is highly respected, and has a great deal of experience in the science (and art) of sediment analysis. I only mention that so you have an appreciation for the level of confidence I have in this data. If you would like some more detail on the collection or analytical procedures, please let me know.

At the present time, I do not know when we will be returning to sample the fish population at NAS-Jacksonville, so if you don't hear from me, its not because we are avoiding you. I will contact you as soon as I get a definite date.

If you have any questions, please let me know. I look forward to receiving more information on your program.

Sincerely,

John

John D. Schell, Jr., Ph.D.
Environmental Specialist
Division of Environmental Sciences

JDS:vab
Enclosure

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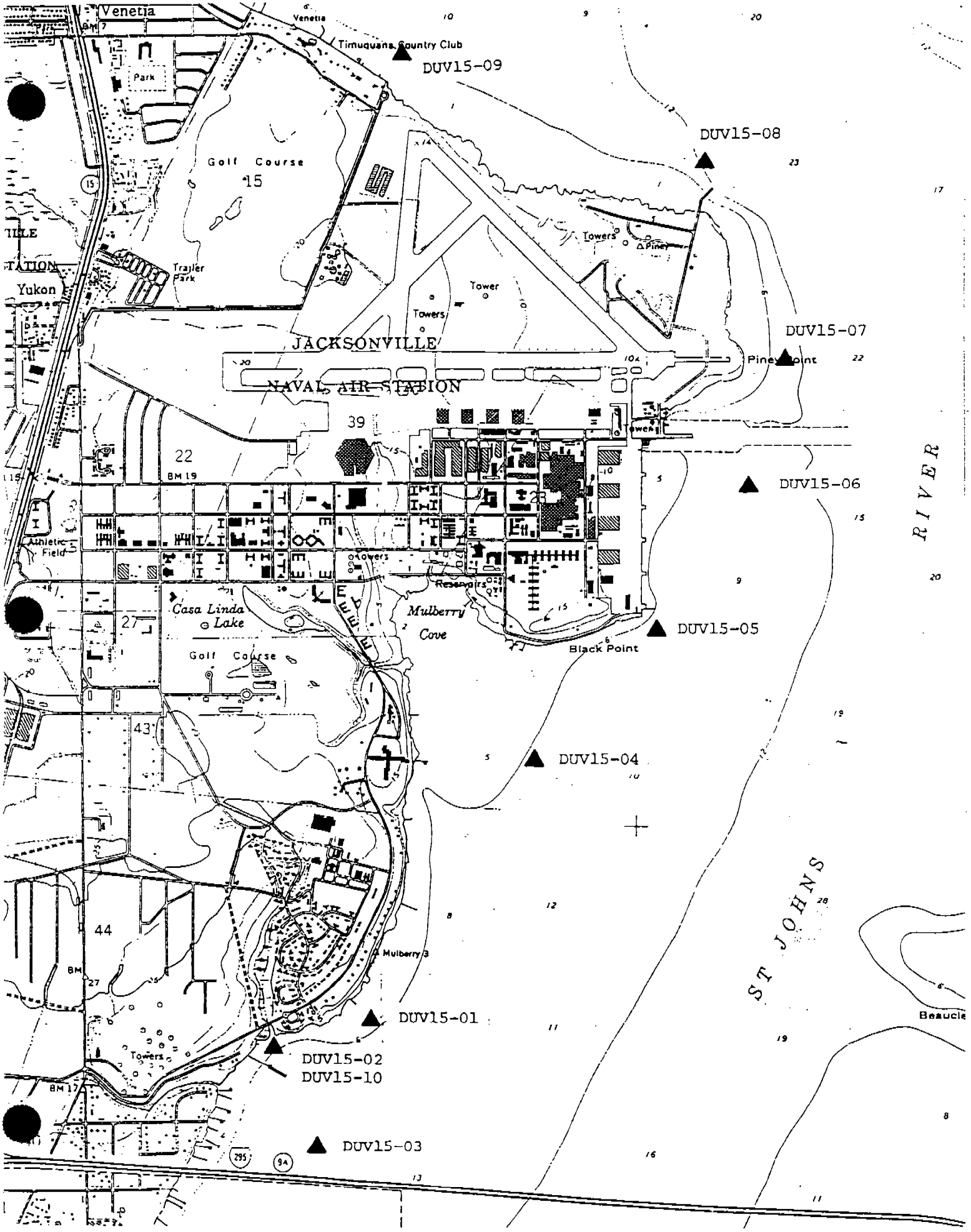
Venetia
Timuquana Country Club
DUV15-09
DUV15-08
Golf Course
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Park
Trailer Park
Yukon
Towers
Tower
JACKSONVILLE
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NAS - JAX

ORGANIC PRIORITY POLLUTANTS - DUY15 Sediment Samples

EPA METHOD	ORGANIC PRIORITY POLLUTANT (water)	UNITS DRY WEIGHT	DUY15-01	DUY15-02 (S. Creek)	DUY15-03	DUY15-04	DUY15-05	DUY15-06	DUY15-07 (Ring Pt)	DUY15-08 (Fuel Pier)	DUY15-09	DUY15-10
			Location Number									
625 ACIDS	2-chlorophenol	ug/kg	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
	2,4-dichlorophenol	ug/kg	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
	2,4-dimethylphenol	ug/kg	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
	4,6-dinitro-o-cresol (2-methyl-4,6-dinitrophenol)	ug/kg	1.49 U	1.49 U	1.49 U	1.49 U	1.49 U	1.49 U	1.49 U	1.49 U	1.49 U	1.49 U
	2,4-dinitrophenol	ug/kg	14.29 U	14.29 U	14.29 U	14.29 U	14.29 U	14.29 U	14.29 U	14.29 U	14.29 U	14.29 U
	2-nitrophenol	ug/kg	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
	4-nitrophenol	ug/kg	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U
	p-chloro-m-cresol (4-chloro-3-methylphenol)	ug/kg	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
	pentachlorophenol	ug/kg	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U
	phenol	ug/kg	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
	2,4,6-trichlorophenol	ug/kg	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
625 BASE/ NEUTRALS	acenaphthene	ug/kg	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
	acenaphthylene	ug/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	anthracene	ug/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	benzidine	ug/kg	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U	0.49 U
	benzo(a)anthracene	ug/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
	benzo(a)pyrene	ug/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.27	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	3,4-benzofluoranthene (benzo(b)fluoranthene)	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	benzo(ghi)perylene	ug/kg	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
	benzo(k)fluoranthene	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-chloroethoxy)methane	ug/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
	bis(2-chloroethyl)ether	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-chloroisopropyl)ether	ug/kg	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
	bis(2-ethylhexyl)phthalate	ug/kg	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
	4-bromophenyl phenyl ether	ug/kg	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
	butyl benzyl phthalate	ug/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
	2-chloronaphthalene	ug/kg	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
	4-chlorophenyl phenyl ether	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	chrysene	ug/kg	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
	dibenzo(a,h)anthracene	ug/kg	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
	1,2-dichlorobenzene	ug/kg	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
	1,3-dichlorobenzene	ug/kg	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
	1,4-dichlorobenzene	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3,3-dichlorobenzidine	ug/kg	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
	diethyl phthalate	ug/kg	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
	dimethyl phthalate	ug/kg	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U	0.10	0.09 U	0.09 U	0.09 U
	di-n-butyl phthalate	ug/kg	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
	2,4-dinitrotoluene	ug/kg	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U
	2,6-dinitrotoluene	ug/kg	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
	di-n-octyl phthalate	ug/kg	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
	1,2-diphenylhydrazine (azobenzene)	ug/kg	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
PAH's	fluoranthene	ug/kg	0.05 U	0.20	0.05 U	0.11	0.16	0.28	0.05 U	0.05 U	0.05 U	0.05 U
	fluorene	ug/kg	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
	hexachlorobenzene	ug/kg	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U	0.18 U

ORGANIC PRIORITY POLLUTANTS - DUY15 Sediment Samples

EPA METHOD	ORGANIC PRIORITY POLLUTANT (water)	UNITS DRY WEIGHT	DUY15-01	DUY15-02	DUY15-03	DUY15-04	DUY15-05	DUY15-06	DUY15-07	DUY15-08	DUY15-09	DUY15-10
				Big Creek			Location Number		Piney Pt	Fuel Pier		
	hexachlorobutadiene	ug/kg	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
	hexachlorocyclopentadiene	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	hexachloroethane	ug/kg	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
	indeno(1,2,3-c,d)pyrene	ug/kg	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
	isophorone	ug/kg	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U	0.07 U
	naphthalene	ug/kg	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
	nitrobenzene	ug/kg	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
	N-nitrosodimethylamine	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-nitrosodi-n-propylamine	ug/kg	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
	N-nitrosodiphenylamine	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	phenanthrene	ug/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.15	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
PAH's	pyrene	ug/kg	0.04 U	0.16	0.14	0.04 U	0.21	0.29	0.04 U	0.04 U	0.04 U	0.04 U
	1,2,4-trichlorobenzene	ug/kg	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
	aldrin	ug/kg	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
	alpha-BHC	ug/kg	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
	beta-BHC	ug/kg	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
	gamma-BHC	ug/kg	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U
	delta-BHC	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	chlordane	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDT	ug/kg	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
	4,4'-DDE	ug/kg	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U
	4,4'-DDD	ug/kg	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
	dieldrin	ug/kg	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
	alpha-endosulfan	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	beta-endosulfan	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	endosulfan sulfate	ug/kg	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
	endrin	ug/kg	1.90 U	1.90 U	1.90 U	1.90 U	1.90 U	1.90 U	1.90 U	1.90 U	1.90 U	1.90 U
	endrin aldehyde	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	heptachlor	ug/kg	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
	heptachlor epoxide	ug/kg	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
	PCB-1242	ug/kg	12.68 U	12.68 U	12.68 U	12.68 U	12.68 U	12.68 U	12.68 U	12.68 U	12.68 U	12.68 U
	PCB-1254	ug/kg	9.89 U	9.89 U	9.89 U	9.89 U	9.89 U	9.89 U	9.89 U	9.89 U	9.89 U	9.89 U
	PCB-1221	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	PCB-1232	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	PCB-1248	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	PCB-1260	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	PCB-1016	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toxaphene	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	benzo(b+k)fluoranthene	ug/kg	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

NOTE:) Codes indicate as follows:

U -) Indicates material was analyzed for but not detected. Value indicates a calculated detection limit.

M -) Indicates presence of material was verified but not quantified.

ND -) Indicates no calculated detection limit.

na -) Indicates no anaylsis performed.