APPENDIX C

Email Request to States

Fish Advisory Template

Fish Tissue Template

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You are receiving this email because you have been previously identified as the Fish Advisory Program Coordinator for your State, Territory or Tribe. **Please let me know if you have received this email in error by replying to this message.**

The United States Environmental Protection Agency (EPA) is in the process of updating fish advisories information. We plan to update our database with new, revised and rescinded advisories you issued in **[insert year]** as well as the fish tissue data that serve as the basis for making advisory decisions. As in the past, we are asking for your support to help ensure the accuracy and completeness of your state, territory and tribal data in the database. Please note this data collection request is authorized under the U.S. Office of Management and Budget Information Collection Request 2040-0226.

We would like to receive information for all advisories issued, rescinded or updated in **[insert year]** as well as the supporting tissue data. This should include the fish tissue data for all waterbodies assessed, even if an advisory is not issued. This information will allow us to evaluate the combined extent of monitoring and assessment efforts on a national basis. If you have not had an opportunity to provide advisory and tissue data for **[insert year]** and **[insert year]**, please provide this data along with your **[insert year]** advisory information.

For the advisory updates, we are asking that you provide the following:

- Waterbodies assessed with locational data
- Advisory information
- Species-specific information
- Population affected
- Contaminant causing the advisory

Attached is an Excel file that includes a descriptive template for your use to enter the information. The template includes examples and additional descriptive tabs for various fields in the template. We recommend using the worksheet because providing the data elements in the template will facilitate an easier transfer of the data to the database.

EPA continues to place increased emphasis on the collection of fish tissue contaminant data as our goal is to develop a comprehensive national database of fish tissue data used for making advisory determinations. To help ensure a comprehensive database, we would like to obtain all fish tissue contaminant data collected for making advisory determinations – including for those waterbodies where chemical levels were determined to be too low to result in an advisory. Below is a list of the key parameters we are requesting for the fish tissue data:

- Waterbody name
- Locational information
- Contaminant information
- Fish species and length
- Composite or individual
- Sample information
- Detection limits

A separate template for fish tissue data is also attached. The fish tissue template includes example tissue data and descriptive tabs. Once again we recommend using the Excel worksheet to submit your data.

As in previous years, EPA is being supported in this data collection effort by a contractor. This year's contractor**, [TBD]** may be following up with you by phone and/or email to assist with the collection of advisory information and tissue data.

We would like to receive your data by [insert date]. All files should be submitted to **[TBD]** by email or via their file exchange server at **[TBD]**.

If you have any questions regarding this request or the National Fish Advisory Program, please contact me by replying to this email or at 202-566-2083. For questions or issues related to submitting data please contact our contractor at **[TBD]**.

Once again, we greatly appreciate your assistance and thank you for your continued support of USEPA's National Fish and Wildlife Contamination Program.

Samantha Fontenelle
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National Fish and Wildlife Contamination Program
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U.S. Environmental Protection Agency
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Phone: 202-566-2083

Table 1. Fish Advisory Template

A	B	C	D	E	F	G	H	I	J
ADVISORY	STATE	SITE NAME	LOCATION	COUNTY	LAT_DD	LONG_DD	ADVISORY_EXTENT	ISSUER	ADVISORY SIZE
Advisory Name - Typically a waterbody	State where advisory is in effect [Select value from STATE TRIBE or TERRITORY TABLE]	Site name	Additional location information	County location of site	Latitude in decimal degrees	Longitude in decimal degrees	Description of location of waters under advisory	Type of issuing agency [select value from “OTHER” TABLE]	Size of advisory

Table 1. Fish Advisory Template – Continued

K	L	M	N	O	P	Q	R	S
ADVISORY SIZE UNIT	ADVISORY STATUS	YEAR ORIGINALLY ISSUED	DATE UPDATED	ADVISORY TYPE	POLLUTANT	SPECIES	POPULATOIN	SPECIES SIZE
Units advisory size is reported in [select value from “OTHER” TABLE]	New, updated or rescinded	Year this advisory was originally entered	Date this advisory was updated or rescinded	Types of advisories [Select value from "ADVISORY TYPES" TABLE]	Pollutant name [Select value from "POLLUTANT" TABLE]	Species name [Select value from "SPECIES" TABLE]	Affected population [Select value from "POPULATION" TABLE]	Affected species size

Template Notes:

Use "N/A" for data Not Applicable

Use "UKN" for data Not Available or Unknown

POLLUTANT TABLE					
Aldrin	DDE	Indust./mun. discharge	PBBs	Toxaphene	Diethylphthalates
Arsenic	DDT	Kepone	PCBs (Total)	Tributyltin	Perchlorate
Cadmium	Dichloroethane	Lead	Pentachlorobenzene	Trichloroethane	Perfluorooctane sulfonate
Chlordane	Dieldrin	Lindane	Pentachlorophenol	Trichloromethane	PFOAs
Chlorinated benzenes	Dioxin	Mercury	Perchloroethylene	Vinyl chloride	PBDEs
Chlorinated pesticides	Furan	Metals	Photomirex	VOCs	PFOSs
Chromium	Gasoline	Mirex	Phthalate esters	Zinc	
Copper	Heptachlor Epoxide	Multiple	Selenium	Tetrachloroethylene	
Creosote	Hexachlorobenzene	Organo-metallics	Tetrachlorobenzene	Not specified	
DDD	Hexachlorobutadiene	PAHs	Tetrachloroethane	Pesticides	

ADV_TYPES TABLE
Bayou
Canal
Coastal
Estuary
Federal
Great Lake
Lake
Multi-class
Regional
River
Statewide
Wetland

POPULATION TABLE	
POPULATION	POPTEXT
CFB	Commercial Fishing Ban
NCGP	No Consumption - General Population
NCSP	No Consumption - Subpopulation(s)
RGP	Restricted Consumption - General Population
RSP	Restricted Consumption - Subpopulation(s)
UC	Unlimited Consumption

OTHER TABLE		
ISSUER	ADV_SIZE_UNIT	ADVISORY_STATUS
City	acres	NEW
County	miles	RESCINDED
Federal	square miles	UPDATED
Local health dept.	hectares	
Province		
State		
State/Tribal		
Tribal		
U.S. Army		
U.S. Air Force		

STATE/TERRITORY/TRIBE TABLE				
Air Force	Guam	Minnesota	Oklahoma	Texas
Alaska	Hawaii	Missouri	Oregon	Utah
Alabama	Iowa	Mississippi	Pennsylvania	Virginia
Arkansas	Idaho	Montana	Puerto Rico	Virgin Islands
American Samoa	Illinois	North Carolina	Rhode Island	Vermont
Arizona	Indiana	North Dakota	South Carolina	Washington
California	Kansas	Nebraska	South Dakota	Wisconsin
Colorado	Kentucky	New Hampshire	Great Lakes Indian Fish and Wildlife Commision	West Virginia
Connecticut	Louisiana	New Jersey	Minnesota Chippewa Tribe	Wyoming
District of Columbia	Massachusetts	New Mexico	Aroostook Band of Micmacs	
Delaware	Maryland	Nevada	St. Regis Mohawk Tribe	
Florida	Maine	New York	Cheyenne River Sioux Tribe	
Georgia	Michigan	Ohio	Tennessee	

SPECIES TABLE					
alewife	all fish except trout	bass-calico	bowfin	carp-mirror	chubsucker-creek
all bass except bass-largemouth	all fish except trout-brook	bass-hybrid	bream	carpsucker	chubsucker-lake
all bottomfish	all fish except trout-brook and bullhead	bass-kelp	brown shrimp	carpsucker-highfin	chub-tui
all cold water fish	all fish except trout-lake	bass-largemouth	buffalo	carpsucker-quillback	cichlid-mayan
all fish	all fish except trout-rainbow	bass-redeye	buffalo-bigmouth	carpsucker-river	cichlid-peacock
all fish (fillets)	all fish except trout-steelhead	bass-rock	buffalo-black	catfish	cisco
all fish (head or entrails)	all freshwater fish	bass-shadow	buffalo-smallmouth	catfish-blue	cobia
all fish (internal organs only)	all gamefish except walleye	bass-shoal	bull shark	catfish-bullhead	cod-Pacific
all fish (liver)	all nonsportfish	bass-smallmouth	bullhead	catfish-channel	cod-tom
all fish (whole fish uneviscerated and eviscerated portions)	all other fish	bass-spotted	bullhead-black	catfish-flathead	composite of specimens not otherwise specified
all fish except American shad	all other freshwater sportfish except trout-rainbow	bass-stripe x bass-white hybrid	bullhead-brown	catfish-gafftopsail	corbina
all fish except American shad, blueback herring, panfish	all other gamefish	bass-stripe x perch-white hybrid	bullhead-flat	catfish-hardhead	corbina-California
all fish except banned species	all other ocean fish	bass-striped	bullhead-snail	catfish-sea	corvina-orangemouth
all fish except bass	all other shellfish	bass-striped hybrid	bullhead-speckled	catfish-white	cownose ray
all fish except bass-largemouth	all other sportfish	bass-striped/walleye	bullhead-spotted	char-arctic	crappie
all fish except bass-smallmouth	all panfish	bass-suwannee	bullhead-yellow	chiselmouth	crappie-black
all fish except bass-striped, herring, shad	all seafood	bass-white	burbot	chub	crappie-white
all fish except bass-striped, herring, shad	all sportfish	bass-yellow	burbot (liver)	chub-arroyo	croaker
all fish except bullhead and sunfish-pumpkinseed	all warm water fish	blackfish-sacramento	burbot (organs)	chub-bluehead	croaker-atlantic
all fish except bullhead-yellow	amberjack-greater	bloater	butterfish	chub-creek	croaker-black
all fish except herring, shad, shellfish	anchovy-bay	blue runner jack	carp	chub-flathead	croaker-white
all fish except herring, shad, shellfish	Atlantic guitarfish	bluefish	carp-buffalo	chub-hornyhead	croaker-yellowfin
all fish except perch-white	Atlantic surf clam	bluntnose ray	carp-common	chub-peamouth	cunner
all fish except perch-yellow	barracuda	bonefish	carp-common (goldfish hybrid)	chub-river	cusk
all fish except perch-yellow, perch-white, sunfish	bass	bonnethead shark	carp-goldfish	chub-sandhills	dace-blacknose
all fish except salmon, anchovy, herring, smelt	bass-black	bottomfish (liver)	carp-grass	chubsucker	dace-longnose

SPECIES TABLE – Continued				
dace-rosyside	grouper-red	killifish-California	muskellunge	redhorse-black
dace-southern redbelly	grouper-scamp	killifish-plains	muskellunge-tiger	redhorse-blacktail
dace-speckled	grouper-snowy	kingfish-northern	needlefish-atlantic	redhorse-copper
darter-fantail	grouper-warsaw	kingfish-southern	not specified	redhorse-golden
darter-redfin	grouper-yellowedge	ladyfish	ocean sunfish	redhorse-grayfin
darter-speckled	grunt	lamprey	odonata	redhorse-greater
darter-tessellated	grunt-bluestriped	lamprey-sea	opah	redhorse-northern
dogfish-smooth	grunt-white	leatherjacket	opaleye	redhorse-river
dogfish-spiny	guitarfish-shovelnose	ling	oscar	redhorse-shorthead
dolphin	gulf blue crab	lingcod	other aquatic organisms	redhorse-silver
dolphin-pompano	gulf butterfish	lizardfish	other game fish	redhorse-smallfin
drum	gulf menhaden	lizardfish-inshore	other gamefish	reef shark
drum-black	gulf toadfish	lookdown	other sucker	roach-california
drum-freshwater	haddock	mackerel-Atlantic	ouananiche	rock sea bass
drum-red	hake-Pacific	mackerel-cero	paddlefish	rockfish
eagle ray	hake-red	mackerel-chub	paddlefish (eggs)	rockfish-black
earthworm	hake-spotted	mackerel-king	papio	rockfish-blue
eel	halfmoon	mackerel-spanish	perch	rockfish-brown
eel-american	halibut	madtom-margined	perch-black	rockfish-canary
eel-conger	halibut-California	mako-shortfin	perch-log	rockfish-chilipepper
eelpout	halibut-pacific	mammal-mink	perch-pacific ocean	rockfish-copper
fallfish	hellgramite	mammal-muskrat	perch-sacramento	rockfish-greenstriped
finetooth shark	herring	mammal-otter-river	perch-shiner	rockfish-kelp
flatfish	herring-Atlantic	marlin-blue	perch-silver	rockfish-quillback
flier	herring-Atlantic thread	marlin-blue Pacific	perch-white	rockfish-rosethorn
florida smoothhound	herring-blueback	marlin-striped	perch-white and carp	rockfish-rougheye
flounder	herring-lake	marlin-white	perch-yellow	rockfish-splitnose
flounder-gulf	herring-pacific	menhaden	permit	rockfish-yelloweye
flounder-southern	herring-skipjack	menhaden-atlantic	pickerel	roughy-orange
flounder-starry	hitch	minnow	pickerel-chain	rudderfish-banded
flounder-summer	hogchoker	minnow-bluntnose	pickerel-grass	rudd-european
flounder-winter	hogfish	minnow-cutlips	pickerel-redfin	sailfish
frog-bullfrog	insect-caddisfly	minnow-fathead	pigfish	salmon
frog-green	insect-caddisfly-green net building larvae	minnow-hybrid	pike	salmon-atlantic
frog-leopard	insect-caddisfly-net spinning larvae	minnow-plains	pike-northern	salmon-Atlantic-landlocked
frogs	insect-damsel fly	minnow-suckermouth	pinfish	salmon-chinook
frog-tadpole	insect-dragonfly-burrowing nymph	mojarra-striped	plaice-american	salmon-chum
gar	insect-dragonfly-sprawling nymph	molly-sailfin	pollock	salmon-coho
gar-alligator	insect-emergent aquatic macroinvertebrate composite	mooneye	pollock-walleye	salmon-kokanee
gar-florida	insect-scorpion-water	moonfish	pompano	salmon-pink
gar-longnose	insect-waterbug-giant	moose (kidney)	pompano-Florida	salmon-sockeye
gar-shortnose	jack	moose (liver)	pompano-irish	sand bass-barred
gar-spotted	jack-almaco	mosquitofish	porgy	sand bass-spotted
gobies	jack-crevalle	mosquitofish-western	pout-ocean	sand drum
goby-round	jacksmelt	mudminnow-central	puffer-all	sand shark
goby-yellowfin	Jewel box	mudminnow-eastern	puffer-checkered	sand tiger shark
goldeye	jewfish	mudsucker-longjaw	quahog	sanddab-Pacific
goldfish	jumprock	mullet	queenfish	sanddab-speckled
grayling-arctic	jumprock-black	mullet-fantail	quillback	sardine
grouper	jumprock-greater	mullet-striped	ray-bat	sargo
grouper-black	jumprock-striped	mullet-white	redfish	sauger
grouper-gag	killifish-banded	mummichog	redhorse	saugeye (sauger-walleye hybrid)

SPECIES TABLE – Continued				
scaled sardine	shark-scalloped hammerhead	shellfish-crustacean-shrimp	spadefish	sunfish-flier
scalloped hammerhead	shark-spinner	shellfish-crustacean-shrimp-grass	spadefish-Atlantic	sunfish-green
scamp	shark-tiger	shellfish-lobster-american (hepatopancreas/tomalley)	speckled hind	sunfish-green x sunfish-pumpkinseed hybrid
scorpionfish-california	sheephead-California	shellfish-molluscs	spot	sunfish-hybrid
scorpionfish-spotted	sheepshead	shellfish-scallops	squawfish	sunfish-longear
sculpin	shellfish	shellfish-univalve-gastropod	squawfish-northern	sunfish-longear x sunfish-bluegill hybrid
sculpin-deepwater	shellfish-bivalves	shellfish-univalve-snail-any non-specific fresh water	squawfish-sacramento	sunfish-mud
sculpin-mottled	shellfish-bivalves-clam	shellfish-univalve-snail-bullhead	squid-longfin	sunfish-pumpkinseed
sculpin-pacific staghorn	shellfish-bivalves-clam-asian	shellfish-univalve-snail-heliosomid	stickelback-brook	sunfish-redbreast
sculpin-prickly	shellfish-bivalves-clam-butter	shellfish-univalve-snail-physid	stickleback-fourspine	sunfish-redear
sculpin-riffle	shellfish-bivalves-clam-elliptio freshwater	shellfish-univalve-snail-right hand whorl	stickleback-threespine	sunfish-spotted
sculpin-slimy	shellfish-bivalves-clam-finger nail	shiner-common	stingray-Atlantic	sunfish-warmouth
scup	shellfish-bivalves-clam-flat-tip piddock	shiner-emerald	stingray-bluntnose	surfperch
sea bass	shellfish-bivalves-clam-freshwater not otherwise specified	shiner-golden	stingray-round	surfperch-barred
sea bass-barred sand	shellfish-bivalves-clam-gaper	shiner-non-specific	stingray-southern	surfperch-calico
sea bass-black	shellfish-bivalves-clam-japanese littleneck	shiner-red	stone crab	surfperch-pile
sea bass-striped	shellfish-bivalves-clam-northern razor	shiner-redside	stoneroller	surfperch-redtail
sea bream	shellfish-bivalves-clam-softshell	shiner-satinfin	stoneroller-bluefin	surfperch-silver
sea urchin	shellfish-bivalves-clam-unionid	shiner-spotfin	stoneroller-central	surfperch-spotfin
seafood-other	shellfish-bivalves-cockle	shiner-spottail	stoneroller-largescale	swordfish
seaperch-rainbow	shellfish-bivalves-little neck clam	silky shark	sturgeon	tarpon
seaperch-rubberlip	shellfish-bivalves-mussel-blue	silver perch	sturgeon-atlantic	tautog
seaperch-white	shellfish-bivalves-mussel-California	silver seatrout	sturgeon-eggs	tench
searobin-northern	shellfish-bivalves-mussel-northern horse	silverside-Atlantic	sturgeon-green	tilapia
searobin-striped	shellfish-bivalves-mussels	silverside-brook	sturgeon-lake	tilapia-blue
seatrout	shellfish-bivalves-mussels-foolish	silversides	sturgeon-shortnose	tilapia-mozambique
seatrout-sand	shellfish-bivalves-oyster-american	siscowet	sturgeon-shovelnose	tilapia-redbelly
seatrout-spotted	shellfish-bivalves-oyster-eastern (=oyster-american)	skate	sturgeon-shovelnose (eggs)	tilapia-spotted
seaweed	shellfish-bivalves-oyster-Hawaiian	sleeper-big mouth	sturgeon-white	tilefish
semotilus	shellfish-bivalves-oyster-mangrove	smalltooth sawfish	sucker	toadfish-oyster
shad	shellfish-bivalves-oyster-Pacific	smelt	sucker-blue	tombo
shad-american	shellfish-bivalves-oysters	smelt-longfin	sucker-bridgelip	tomcod-Atlantic
shad-gizzard	shellfish-crab (hepatopancreas)	smelt-rainbow	sucker-hog	topsmelt
shad-hickory	shellfish-crustacean-crab	smooth butterfly ray	sucker-hog alabama	triggerfish-grey
shad-threadfin	shellfish-crustacean-crab (shell)	smooth edged jewelbox	sucker-hog northern	tripletail
shark	shellfish-crustacean-crab-blue	snakehead-bullseye	sucker-hog roanoke	trout
shark-Atlantic sharpnose	shellfish-crustacean-crab-blue (hepatopancreas)	snapper-cubera	sucker-largescale	trout-apache
shark-blacknose	shellfish-crustacean-crab-dungeness	snapper-gray	sucker-longnose	trout-brook
shark-blacktip	shellfish-crustacean-crab-dungeness (claw)	snapper-lane	sucker-other	trout-brown
shark-brown smooth hound	shellfish-crustacean-crab-dungeness (hepatopancreas)	snapper-mutton	sucker-rustyside	trout-bull
shark-dusky	shellfish-crustacean-crab-graceful rock	snapper-red	sucker-sacramento	trout-cutbow
shark-gray smoothhound	shellfish-crustacean-crab-red rock	snapper-vermillion	sucker-santa ana	trout-cutthroat
shark-great white	shellfish-crustacean-crab-red rock (claw)	snapper-yellowtail	sucker-spotted	trout-cutthroat-lahontan
shark-lemon	shellfish-crustacean-crab-red rock(hepatopancreas)	snook	sucker-utah	trout-cutthroat-snake river
shark-leopard	shellfish-crustacean-crayfish	snook-common	sucker-white	trout-cutthroat-yellowstone
shark-Pacific angel	shellfish-crustacean-crayfish-signal	sole-english	sunfish	trout-lake
shark-salmon	shellfish-crustacean-lobster	sole-fantail	sunfish-bluegill	trout-rainbow
shark-sandbar	shellfish-crustaceans	sole-rock	sunfish-bluespotted	trout-redband

SPECIES TABLE – Continued				
trout-siscowet	tuna-blackfin	turtles	waterfowl-coot-american	whitefish-lake
trout-splake	tuna-canned white	turtle-snapping	waterfowl-ducks	whitefish-mountain
trout-steelhead	tuna-skipjack	wahoo	waterfowl-MALLARD	whitefish-ocean
trout-tiger	tuna-yellowfin	walleye	waterfowl-mergansers	whitefish-round
truite de mer	tunny-little	walleye (eggs)	waterfowl-woodducks	whiting-blue
tuna	turbot-diamond	walleye surfperch	weakfish	windowpane
tuna (steak)	turbot-spotted	waterfowl (liver)	white shrimp	yellow jack
tuna-albacore	turtle-eastern painted	waterfowl except mergansers	whitefish	yellow fin menhaden
tuna-bigeye				

Table 2. Fish Tissue Template

A	B	C	D	E	F	G	H	I	J
ADVISORY	STATE	STATION ID	SITENAME	LOCATION	LAT_DD	LONG_DD	SAMPLE ID	SAMPLE DATE	LENGTH
Advisory Name - Typically a waterbody (links sample data associated with reported advisories)	State where sample was taken [Select value from STATE TRIBE or TERRITORY TABLE]	Issuer Monitoring station identifier	Waterbody name	Waterbody location	Latitude in decimal degrees	Longitude in decimal degrees	Unique sample identifier	Date sample was taken	Length of sample (average for composite samples)

Table 2. Fish Tissue Template – Continued

K	L	M	N	O	P	Q	R	S	T	U
LENGTH UNIT	COMPOSITE [Y/N]	NUMBER FISH	SPECIES	SAMPLE TYPE	RESULT NUMBER	RESULT UNIT	BASIS	CONTAMINANT NAME	DETECTION LIMIT	DL UNIT
Length units [Select from "OTHER" TABLE]	Is sample a composite [Y/N]	Number of fish in sample	Species name [Select from "SPECIES" TABLE]	Sample type [Select from "SAMPLE TYPE" TABLE]	Contaminant concentration [Populate non-detects as "ND"]	Result units [Select from "OTHER" TABLE]	Results reported as dry weight or wet weight [Dry or Wet]	Name of Contaminant [Select from "CONTAMINANT" TABLE]	Limit of Detection	Detection Limit units [Select from "OTHER" TABLE]

Template Notes:

Use "N/A" for data Not Applicable

Use "UKN" for data Not Available or Unknown

CONTAMINANT TABLE				
1,1,1,2-Tetrachloroethane	2-Methylfluoranthene	bis(2-ethylhexyl)adipate	Dibenzo(B,D)-Thiophene	Hexachlorostyrene
1,1,1-Trichloroethane	2-Methylnaphthalene	bis(2-ethylhexyl)phthalate	Dibenzofuran	Hexa-Cl-1,3-cyclopentadiene
1,1,2,2-Tetrachloroethane	2-Methylphenanthrene	Bromobenzene	Dibromomethane	HexaPCBs
1,1,2-Trichloroethane	2-Nitroaniline	Bromochloromethane	Dibutylnitrosamine	Hoelon
1,1'-Biphenyl	2-nitrophenol	Bromodichloromethane	dibutylphthalate	HPCDD1234678_Conc
1,1'-Biphenyl, 2-fluoro-	3,3'-Dichlorobenzidine	Bromoform	Dibutyltin Dichloride	HPCDD1234678_TEQ
1,1-Dichloroethane	3,5 Dichlorobenzoic Acid	Bromomethane	Dicamba	HPCDD1234678_TEQ_DF
1,1-Dichloroethene	3-Nitroaniline	Bromoxynil	Dichlorodifluoromethane	HpCDD-except HpCDD1234678
1,1-Dichloropropene	4,4'-Dichlorobenzophenone	butylbenzylphthalate	dichlorophenol	HPCDF1234678_Conc
1,2,3,4,6,7-HXCDF	4,6-Dimethyldibenzothiophene	Cacodylic acid	Dichlorprop	HPCDF1234678_TEQ
1,2,3-Trichlorobenzene	4,6-Dinitro-o-cresol	Cadmium	Dicofol	HPCDF1234678_TEQ_DF
1,2,3-Trichloropropane	4-Bromophenyl-phenylether	Calcium	Dieldrin	HPCDF1234789_Conc
1,2,4,5-Tetrachlorobenzene	4-chloro-3-methylphenol	Captafol	diethylphthalate	HPCDF1234789_TEQ
1,2,4-Trichlorobenzene	4-Chloroaniline	Captan	dimethylphthalate	HPCDF1234789_TEQ_DF
1,2,4-Trimethylbenzene	4-Chlorophenyl-phenylether	Carbazole	di-n-Octylphthalate	HXCDD123478_Conc
1,2-Dibromo-3-chloropropane	4-Chlorotoluene	Carbon disulfide	Dinoseb	HXCDD123478_TEQ
1,2-Dibromoethane	4-Isopropyl toluene	Carbon tetrachloride	Dioxin (Total)	HXCDD123478_TEQ_DF
1,2-Dichlorobenzene	4-Nitroaniline	Chlordane	DioxinFuranTEQ	HXCDD123678_Conc
1,2-Dichlorobenzene-d4	4-nitrophenol	Chlordane (Total)	DioxinPCBTEQ	HXCDD123678_TEQ
1,2-Dichloroethane	5-Methylchrysene	Chlordane, cis	DioxinTEQ	HXCDD123678_TEQ_DF
1,2-Dichloropropane	acenaphthylene	Chlordane, trans	DiPCBs	HXCDD123789_Conc
1,3,5-Trimethylbenzene	acenapthene	Chlordene	Diphenylhydrazine	HXCDD123789_TEQ
1,3-Dichlorobenzene	Acetone	Chlorobenzene	Disulfoton	HXCDD123789_TEQ_DF
1,3-Dichloropropane	Acifluorfen	Chlorodibromomethane	Endosulfan I	HxCDD-except HxCDD123478, 123678, and 123789
1,4-Dichlorobenzene	Acrylonitrile	Chloroethane	Endosulfan II	HxCDF- except HxCDF234678, 123478, and 123678
1-Methyl-9h-Fluorene	Alachlor	Chloroform	Endosulfan Sulfate	HXCDF123478_Conc
1-Methylnaphthalene	Aldrin	Chloromethane	Endrin	HXCDF123478_TEQ
1-Methylphenanthrene	alpha-chlordene	Chlorpyrifos	Endrin Aldehyde	HXCDF123478_TEQ_DF
2,2',3,3',4,4',5,5',6,6'-Decabromodiphenyl ether (BDE-209)	Aluminum	Chromium	Endrin Ketone	HXCDF123678_Conc
2,2',4,4' - tetrabromodiphenylether	Aniline	chrysene	Ethalfluralin	HXCDF123678_TEQ
2,2',4,4',5 - pentabromodiphenylether	anthracene	cis-1,2-Dichloroethylene	Ethion	HXCDF123678_TEQ_DF
2,2,4,4',5,6-Hexabromodiphenyl ether	Antimony	cis-1,3-Dichloropropylene	Ethyl methacrylate	HXCDF123789_Conc
2,2',4,4',6 - pentabromodiphenylether	Arsenic	Cobalt	Ethyl Parathion	HXCDF123789_TEQ
2,2-Dichloropropane	Arsenic III	Copper	Ethylbenzene	HXCDF123789_TEQ_DF
2,3,4,5-Tetrachlorophenol	Atrazine	Cresols	Fenvalerate	HXCDF234678_Conc
2,3,4,6,7-PCDF	Barium	Cyanazine	fluoranthene	HXCDF234678HXCDF_Conc
2,3,4,6-Tetrachlorophenol	Bentazon	Dacthal	fluorene	HXCDF234678HXCDF_TEQ
2,4,5-Trichlorophenol	Benzene	DDD	gamma-chlordene	HXCDF234678HXCDF_TEQ_DF
2,4,5-trichlorophenoxyacetic acid(2,4,5-T)	Benzidine	DDD (2,4)	Heptachlor	indeno(1,2,3-cd)pyrene
2,4,6-Trichlorophenol	benzo(a)anthracene	DDD (4,4)	Heptachlor Epoxide	Iodomethane
2,4-Dichlorophenol	benzo(a)pyrene	DDD/DDE	Heptachlorostyrene	Iron
2,4-Dichlorophenoxyacetic acid (2,4-D)	benzo(b)fluoranthene	DDE	HeptPCBs	Isodrin
2,4-Dimethylphenol	Benzo(e)pyrene	DDE (2,4)	Hexabromodiphenyl ether	Isophorone
2,4-dinitrophenol	benzo(ghi)perylene	DDE (4,4)	Hexabromodiphenyl Ether, 2,2'4,4'5,5'	Isopropylbenzene
2,4-Dinitrotoluene	benzo(k)fluoranthene	DDMU	Hexachlorobenzene	Lead
2,6-Dinitrotoluene	Benzoic Acid	DDT	Hexachlorobutadiene	Lindane
2-Chloronaphthalene	Benzyl alcohol	DDT (2,4)	Hexachlorocyclohexane,alpha	Lipid normalized Total PCBs
2-chlorophenol	Beryllium	DDT (4,4)	Hexachlorocyclohexane,beta	Magnesium
2-chlorophenol-d4	beta-chlordene	DDT (Total)	Hexachlorocyclohexane,delta	Malathion
2-Chlorotoluene	bis(2-Chloroethoxy)methane	DecaPCBs	hexachlorocyclopentadiene	Manganese
2-Hexanone	bis(2-Chloroethyl)ether	Diazinon	Hexachloroethane	Mercury
2-Methyl-4-chlorophenoxyacetic acid (MCPA)	bis(2-Chloroisopropyl)ether	dibenzo(ah)anthracene	Hexachlorophene	Methoxychlor

CONTAMINANT TABLE – Continued				
Methyl isobutyl ketone	PCB-AROCLOR 1221	PCBs-congener 170+190	PCBs-congener 66	PCBs-congener-155
Methyl methacrylate	PCB-AROCLOR 1232	PCBs-congener 172+197	PCBs-congener 66+95	PCBs-congener-156/157
Methyl Parathion	PCB-AROCLOR 1242	PCBs-congener 174	PCBs-congener 7	PCBs-congener-159
Methyl tert-butyl ether	PCB-AROCLOR 1242/48	PCBs-congener 177	PCBs-congener 70+76	PCBs-congener-16
Methylene chloride	PCB-AROCLOR 1242/48/54	PCBs-congener 18	PCBs-congener 74	PCBs-congener-160
Methylethyl ketone	PCB-AROCLOR 1242/54	PCBs-congener 180	PCBs-congener 77	PCBs-congener-161
Metolachlor	PCB-AROCLOR 1242/54/60	PCBs-congener 183	PCBs-congener 77+110	PCBs-congener-162
Metolachlor	PCB-AROCLOR 1248	PCBs-congener 185	PCBs-congener 8	PCBs-congener-164
Metrabuzine	PCB-AROCLOR 1248/54	PCBs-congener 187	PCBs-congener 8+5	PCBs-congener-165
Mirex	PCB-AROCLOR 1248/54/60	PCBs-congener 187+182	PCBs-congener 81	PCBs-congener-171/173
Moisture	PCB-AROCLOR 1254	PCBs-congener 189	PCBs-congener 82	PCBs-congener-172
Molybdenum	PCB-AROCLOR 1254/60	PCBs-congener 19	PCBs-congener 83	PCBs-congener-175
Monobutyltin Trichloride	PCB-AROCLOR 1260	PCBs-congener 191	PCBs-congener 85	PCBs-congener-176
Monomethylarsenic acid (MAA)	PCB-AROCLOR 1262	PCBs-congener 193	PCBs-congener 87+81	PCBs-congener-178
MonoPCBs	PCB-AROCLOR 1268	PCBs-congener 194	PCBs-congener 91	PCBs-congener-179
Naphthalene, 1,6,7-Trimethyl	PCBs (Total)	PCBs-congener 195	PCBs-congener 97	PCBs-congener-18/30
Naphthalene, 2,6-dimethyl-	PCBs-Aroclor (Total)	PCBs-congener 199	PCBs-congener 99	PCBs-congener-180/193
napthalene	PCBs-congener 1	PCBs-congener 201	PCBs-congener-10	PCBs-congener-181
n-Butylbenzene	PCBs-congener 100	PCBs-congener 202+171	PCBs-congener-103	PCBs-congener-182
NDPA	PCBs-congener 101	PCBs-congener 203+196	PCBs-congener-104	PCBs-congener-183/185
Nickel	PCBs-congener 105	PCBs-congener 205	PCBs-congener-106	PCBs-congener-184
Nitro(2H5)benzene	PCBs-congener 107	PCBs-congener 206	PCBs-congener-107/125	PCBs-congener-186
Nitrobenzene	PCBs-congener 110	PCBs-congener 207	PCBs-congener-109	PCBs-congener-188
N-Nitrosodiethylamine	PCBs-congener 114	PCBs-congener 208+195	PCBs-congener-11	PCBs-congener-190
N-Nitrosodimethylamine	PCBs-congener 118	PCBs-congener 209	PCBs-congener-110/115	PCBs-congener-192
N-Nitrosodiphenylamine	PCBs-congener 12+13	PCBs-congener 22	PCBs-congener-111	PCBs-congener-196
Nonabromodiphenyl ether	PCBs-congener 123	PCBs-congener 24+27	PCBs-congener-112	PCBs-congener-197/200
Nonachlor (cis)	PCBs-congener 126	PCBs-congener 25	PCBs-congener-120	PCBs-congener-198/199
Nonachlor (trans)	PCBs-congener 128	PCBs-congener 26	PCBs-congener-121	PCBs-congener-2
NonaPCBs	PCBs-congener 129+178	PCBs-congener 28	PCBs-congener-122	PCBs-congener-20/28
NondioxinPCBs	PCBs-congener 130	PCBs-congener 29	PCBs-congener-127	PCBs-congener-202
n-Propylbenzene	PCBs-congener 131	PCBs-congener 3	PCBs-congener-128/166	PCBs-congener-203
OCDD12346789_Conc	PCBs-congener 135+144	PCBs-congener 31+28	PCBs-congener-129/138/160/163	PCBs-congener-204
OCDD12346789_TEQ	PCBs-congener 136	PCBs-congener 32	PCBs-congener-129/138/163	PCBs-congener-208
OCDD12346789_TEQ_DF	PCBs-congener 137+176	PCBs-congener 36	PCBs-congener-132	PCBs-congener-21/33
OCDF12346789_Conc	PCBs-congener 138	PCBs-congener 37+42	PCBs-congener-133	PCBs-congener-23
OCDF12346789_TEQ	PCBs-congener 141	PCBs-congener 39	PCBs-congener-134/143	PCBs-congener-24
OCDF12346789_TEQ_DF	PCBs-congener 146	PCBs-congener 4+10	PCBs-congener-135/151	PCBs-congener-26/29
o-Cresol	PCBs-congener 149	PCBs-congener 40	PCBs-congener-135/151/154	PCBs-congener-27
Octabromodiphenyl ether	PCBs-congener 151	PCBs-congener 41+71	PCBs-congener-137	PCBs-congener-31
Octachlorostyrene	PCBs-congener 153	PCBs-congener 43	PCBs-congener-139/140	PCBs-congener-34
OctaPCBs	PCBs-congener 153+132+105	PCBs-congener 44	PCBs-congener-14	PCBs-congener-35
Other (identify in field)	PCBs-congener 156	PCBs-congener 45	PCBs-congener-142	PCBs-congener-37
Oxadiazon	PCBs-congener 157	PCBs-congener 46	PCBs-congener-144	PCBs-congener-38
Oxychlordane	PCBs-congener 157+202	PCBs-congener 47	PCBs-congener-145	PCBs-congener-4
o-Xylene	PCBs-congener 158	PCBs-congener 48	PCBs-congener-147/149	PCBs-congener-40/41/71
p,p'-Dibromodiphenyl ether	PCBs-congener 16+32	PCBs-congener 49	PCBs-congener-148	PCBs-congener-42
PBB	PCBs-congener 163+138	PCBs-congener 52	PCBs-congener-15	PCBs-congener-44/47/65
PCB-107/124	PCBs-congener 167	PCBs-congener 53+33+21	PCBs-congener-150	PCBs-congener-45/51
PCB-12/13	PCBs-congener 169	PCBs-congener 56+60	PCBs-congener-152	PCBs-congener-49/69
PCB-AROCLOR 1016	PCBs-congener 17	PCBs-congener 6	PCBs-congener-153/168	PCBs-congener-5
PCB-AROCLOR 1016/1242	PCBs-congener 170	PCBs-congener 63	PCBs-congener-154	PCBs-congener-50/53

CONTAMINANT TABLE – Continued				
PCBs-congener-54	PCBs-congener-84	Sodium	Terbufos	Total HPCDF
PCBs-congener-55	PCBs-congener-85/116/117	Solid	Terphenyl-d14	Total HXCDD
PCBs-congener-56	PCBs-congener-86/87/97/108/119/125	Solid (metals)	Terphenyls	Total inorganic arsenic
PCBs-congener-57	PCBs-congener-88/91	Solid (PCBs)	tert-Butylbenzene	Total mirex
PCBs-congener-58	PCBs-congener-89	Solids Content-Freeze Dry	Tetrabromodiphenyl ether	Total PBDEs
PCBs-congener-59/62/75	PCBs-congener-9	Strontium	Tetrabutyltin	Total PCDD
PCBs-congener-60	PCBs-congener-90/101/113	Styrene	Tetrachloroethylene	Total PCDF
PCBs-congener-61/70/74/76	PCBs-congener-92	TCDD2378_Conc	Tetradifon	Total TCDD
PCBs-congener-64	PCBs-congener-93/95/98/100/102	TCDD2378_TEQ	Tetrahydrofuran	Total TCDF
PCBs-congener-67	PCBs-congener-93/98/100/102	TCDD2378_TEQ_DF	TetraPCBs	Toxaphene
PCBs-congener-68	PCBs-congener-94	TCDD-except TCDD2378	Thallium	trans-1,2-Dichloroethylene
PCBs-congener-72	PCBs-congener-95	TCDF2378_Conc	tin	trans-1,3-Dichloropropene
PCBs-congener-73	PCBs-congener-96	TCDF2378_TEQ	Toluene	Triallate
PCBs-congener-78	PCBTEQs	TCDF2378_TEQ_DF	Tordon	Tribromodiphenyl ether
PCBs-congener-79	PECDD12378_Conc	TCDF-except TCDF2378	Total HCDF	Tributyltin Chloride
PCBs-congener-80	PECDD12378_TEQ	TEQ (Total)	Total HPCDD	Trichloroethylene
PCBs-congener-83/99	PECDD12378_TEQ_DF	Terbufos	Total HPCDF	Trichlorofluoromethane
PCBs-congener-84	PeCDD-except PeCDD12378	Terphenyl-d14	Total HXCDD	trichlorophenol
PCBs-congener-85/116/117	PECDF12378_Conc	Terphenyls	Total inorganic arsenic	Trifluralin
PCBs-congener-86/87/97/108/119/125	PECDF12378_TEQ	tert-Butylbenzene	Total mirex	TriPCBs
PCBs-congener-88/91	PECDF12378_TEQ_DF	Tetrabromodiphenyl ether	Total PBDEs	Uranium
PCBs-congener-89	PECDF23478_Conc	Tetrabutyltin	Total PCDD	Vanadium
PCBs-congener-9	PECDF23478_TEQ	Tetrachloroethylene	Total PCDF	Vinyl chloride
PCBs-congener-90/101/113	PECDF23478_TEQ_DF	Tetradifon	Total TCDD	Xylenes
PCBs-congener-92	PeCDF-except PeCDF 12378, PeCDF23478	Tetrahydrofuran	Total TCDF	Zinc
PCBs-congener-93/95/98/100/102	Pentabromodiphenyl ether	TetraPCBs	Toxaphene	
PCBs-congener-93/98/100/102	Pentachloroanisole	Thallium	trans-1,2-Dichloroethylene	
PCBs-congener-94	Pentachlorobenzene	tin	trans-1,3-Dichloropropene	
PCBs-congener-95	Pentachlorophenol	Toluene	Triallate	
PCBs-congener-96	pentachlorophenol	Tordon	Tribromodiphenyl ether	
PCBTEQs	Pentachlorostyrene	Total HCDF	Tributyltin Chloride	
PECDD12378_Conc	PentaPCBs	Total HPCDD	Trichloroethylene	
PECDD12378_TEQ	Perylene	Total HPCDF	Trichlorofluoromethane	
PECDD12378_TEQ_DF	PFOA – perfluorooctanoic acid	Total HXCDD	trichlorophenol	
PeCDD-except PeCDD12378	PFOS – perfluorooctanesulfonic acid	Total inorganic arsenic	Trifluralin	
PCBs-congener-54	phenanthrene	Total mirex	TriPCBs	
PCBs-congener-55	Phenanthrene, 3,6-Dimethyl-	Sodium	Terbufos	
PCBs-congener-56	phenol complex	Solid	Terphenyl-d14	
PCBs-congener-57	Phenol, 2-fluoro-	Solid (metals)	Terphenyls	
PCBs-congener-58	Phenol-d5	Solid (PCBs)	tert-Butylbenzene	
PCBs-congener-59/62/75	Photomirex	Solids Content-Freeze Dry	Tetrabromodiphenyl ether	
PCBs-congener-60	Potassium	Strontium	Tetrabutyltin	
PCBs-congener-61/70/74/76	Prowl	Styrene	Tetrachloroethylene	
PCBs-congener-64	pyrene	TCDD2378_Conc	Tetradifon	
PCBs-congener-67	Pyrene-d10	TCDD2378_TEQ	Tetrahydrofuran	
PCBs-congener-68	Pyridine	TCDD2378_TEQ_DF	TetraPCBs	
PCBs-congener-72	Retene	TCDD-except TCDD2378	Thallium	
PCBs-congener-73	sec-Butylbenzene	TCDF2378_Conc	tin	
PCBs-congener-78	Selenium	TCDF2378_TEQ	Toluene	
PCBs-congener-79	Silver	TCDF2378_TEQ_DF	Tordon	
PCBs-congener-80	Silvex (2,4,5-TP)	TCDF-except TCDF2378	Total HCDF	
PCBs-congener-83/99	Simazine	TEQ (Total)	Total HPCDD	

STATE/TERRITORY/TRIBE TABLE				
Air Force	Guam	Minnesota	Oklahoma	Texas
Alaska	Hawaii	Missouri	Oregon	Utah
Alabama	Iowa	Mississippi	Pennsylvania	Virginia
Arkansas	Idaho	Montana	Puerto Rico	Virgin Islands
American Samoa	Illinois	North Carolina	Rhode Island	Vermont
Arizona	Indiana	North Dakota	South Carolina	Washington
California	Kansas	Nebraska	South Dakota	Wisconsin
Colorado	Kentucky	New Hampshire	Great Lakes Indian Fish and Wildlife Commision	West Virginia
Connecticut	Louisiana	New Jersey	Minnesota Chippewa Tribe	Wyoming
District of Columbia	Massachusetts	New Mexico	Aroostook Band of Micmacs	
Delaware	Maryland	Nevada	St. Regis Mohawk Tribe	
Florida	Maine	New York	Cheyenne River Sioux Tribe	
Georgia	Michigan	Ohio	Tennessee	

SPECIES TABLE					
alewife	all fish except trout	bass-calico	bowfin	carp-mirror	chubsucker-creek
all bass except bass-largemouth	all fish except trout-brook	bass-hybrid	bream	carpsucker	chubsucker-lake
all bottomfish	all fish except trout-brook and bullhead	bass-kelp	brown shrimp	carpsucker-highfin	chub-tui
all cold water fish	all fish except trout-lake	bass-largemouth	buffalo	carpsucker-quillback	cichlid-mayan
all fish	all fish except trout-rainbow	bass-redeye	buffalo-bigmouth	carpsucker-river	cichlid-peacock
all fish (fillets)	all fish except trout-steelhead	bass-rock	buffalo-black	catfish	cisco
all fish (head or entrails)	all freshwater fish	bass-shadow	buffalo-smallmouth	catfish-blue	cobia
all fish (internal organs only)	all gamefish except walleye	bass-shoal	bull shark	catfish-bullhead	cod-Pacific
all fish (liver)	all nonsportfish	bass-smallmouth	bullhead	catfish-channel	cod-tom
all fish (whole fish uneviscerated and eviscerated portions)	all other fish	bass-spotted	bullhead-black	catfish-flathead	composite of specimens not otherwise specified
all fish except American shad	all other freshwater sportfish except trout-rainbow	bass-stripe x bass-white hybrid	bullhead-brown	catfish-gafftopsail	corbina
all fish except American shad, blueback herring, panfish	all other gamefish	bass-stripe x perch-white hybrid	bullhead-flat	catfish-hardhead	corbina-California
all fish except banned species	all other ocean fish	bass-striped	bullhead-snail	catfish-sea	corvina-orangemouth
all fish except bass	all other shellfish	bass-striped hybrid	bullhead-speckled	catfish-white	cownose ray
all fish except bass-largemouth	all other sportfish	bass-striped/walleye	bullhead-spotted	char-arctic	crappie
all fish except bass-smallmouth	all panfish	bass-suwannee	bullhead-yellow	chiselmouth	crappie-black
all fish except bass-striped, herring, shad	all seafood	bass-white	burbot	chub	crappie-white
all fish except bass-striped, herring, shad	all sportfish	bass-yellow	burbot (liver)	chub-arroyo	croaker
all fish except bullhead and sunfish-pumpkinseed	all warm water fish	blackfish-sacramento	burbot (organs)	chub-bluehead	croaker-atlantic
all fish except bullhead-yellow	amberjack-greater	bloater	butterfish	chub-creek	croaker-black
all fish except herring, shad, shellfish	anchovy-bay	blue runner jack	carp	chub-flathead	croaker-white
all fish except herring, shad, shellfish	Atlantic guitarfish	bluefish	carp-buffalo	chub-hornyhead	croaker-yellowfin
all fish except perch-white	Atlantic surf clam	bluntnose ray	carp-common	chub-peamouth	cunner
all fish except perch-yellow	barracuda	bonefish	carp-common (goldfish hybrid)	chub-river	cusk
all fish except perch-yellow, perch-white, sunfish	bass	bonnethead shark	carp-goldfish	chub-sandhills	dace-blacknose
all fish except salmon, anchovy, herring, smelt	bass-black	bottomfish (liver)	carp-grass	chubsucker	dace-longnose

SPECIES TABLE – Continued				
dace-rosyside	grouper-red	killifish-California	muskellunge	redhorse-black
dace-southern redbelly	grouper-scamp	killifish-plains	muskellunge-tiger	redhorse-blacktail
dace-speckled	grouper-snowy	kingfish-northern	needlefish-atlantic	redhorse-copper
darter-fantail	grouper-warsaw	kingfish-southern	not specified	redhorse-golden
darter-redfin	grouper-yellowedge	ladyfish	ocean sunfish	redhorse-grayfin
darter-speckled	grunt	lamprey	odonata	redhorse-greater
darter-tessellated	grunt-bluestriped	lamprey-sea	opah	redhorse-northern
dogfish-smooth	grunt-white	leatherjacket	opaleye	redhorse-river
dogfish-spiny	guitarfish-shovelnose	ling	oscar	redhorse-shorthead
dolphin	gulf blue crab	lingcod	other aquatic organisms	redhorse-silver
dolphin-pompano	gulf butterfish	lizardfish	other game fish	redhorse-smallfin
drum	gulf menhaden	lizardfish-inshore	other gamefish	reef shark
drum-black	gulf toadfish	lookdown	other sucker	roach-california
drum-freshwater	haddock	mackerel-Atlantic	ouananiche	rock sea bass
drum-red	hake-Pacific	mackerel-cero	paddlefish	rockfish
eagle ray	hake-red	mackerel-chub	paddlefish (eggs)	rockfish-black
earthworm	hake-spotted	mackerel-king	papio	rockfish-blue
eel	halfmoon	mackerel-spanish	perch	rockfish-brown
eel-american	halibut	madtom-margined	perch-black	rockfish-canary
eel-conger	halibut-California	mako-shortfin	perch-log	rockfish-chilipepper
eelpout	halibut-pacific	mammal-mink	perch-pacific ocean	rockfish-copper
fallfish	hellgramite	mammal-muskrat	perch-sacramento	rockfish-greenstriped
finetooth shark	herring	mammal-otter-river	perch-shiner	rockfish-kelp
flatfish	herring-Atlantic	marlin-blue	perch-silver	rockfish-quillback
flier	herring-Atlantic thread	marlin-blue Pacific	perch-white	rockfish-rosethorn
florida smoothhound	herring-blueback	marlin-striped	perch-white and carp	rockfish-rougheye
flounder	herring-lake	marlin-white	perch-yellow	rockfish-splitnose
flounder-gulf	herring-pacific	menhaden	permit	rockfish-yelloweye
flounder-southern	herring-skipjack	menhaden-atlantic	pickerel	roughy-orange
flounder-starry	hitch	minnow	pickerel-chain	rudderfish-banded
flounder-summer	hogchoker	minnow-bluntnose	pickerel-grass	rudd-european
flounder-winter	hogfish	minnow-cutlips	pickerel-redfin	sailfish
frog-bullfrog	insect-caddisfly	minnow-fathead	pigfish	salmon
frog-green	insect-caddisfly-green net building larvae	minnow-hybrid	pike	salmon-atlantic
frog-leopard	insect-caddisfly-net spinning larvae	minnow-plains	pike-northern	salmon-Atlantic-landlocked
frogs	insect-damsel fly	minnow-suckermouth	pinfish	salmon-chinook
frog-tadpole	insect-dragonfly-burrowing nymph	mojarra-striped	plaice-american	salmon-chum
gar	insect-dragonfly-sprawling nymph	molly-sailfin	pollock	salmon-coho
gar-alligator	insect-emergent aquatic macroinvertebrate composite	mooneye	pollock-walleye	salmon-kokanee
gar-florida	insect-scorpion-water	moonfish	pompano	salmon-pink
gar-longnose	insect-waterbug-giant	moose (kidney)	pompano-Florida	salmon-sockeye
gar-shortnose	jack	moose (liver)	pompano-irish	sand bass-barred
gar-spotted	jack-almaco	mosquitofish	porgy	sand bass-spotted
gobies	jack-crevalle	mosquitofish-western	pout-ocean	sand drum
goby-round	jacksmelt	mudminnow-central	puffer-all	sand shark
goby-yellowfin	Jewel box	mudminnow-eastern	puffer-checkered	sand tiger shark
goldeye	jewfish	mudsucker-longjaw	quahog	sanddab-Pacific
goldfish	jumprock	mullet	queenfish	sanddab-speckled
grayling-arctic	jumprock-black	mullet-fantail	quillback	sardine
grouper	jumprock-greater	mullet-striped	ray-bat	sargo
grouper-black	jumprock-striped	mullet-white	redfish	sauger
grouper-gag	killifish-banded	mummichog	redhorse	saugeye (sauger-walleye hybrid)

SPECIES TABLE – Continued				
scaled sardine	shark-scalloped hammerhead	shellfish-crustacean-shrimp	spadefish	sunfish-flier
scalloped hammerhead	shark-spinner	shellfish-crustacean-shrimp-grass	spadefish-Atlantic	sunfish-green
scamp	shark-tiger	shellfish-lobster-american (hepatopancreas/tomalley)	speckled hind	sunfish-green x sunfish-pumpkinseed hybrid
scorpionfish-california	sheephead-California	shellfish-molluscs	spot	sunfish-hybrid
scorpionfish-spotted	sheepshead	shellfish-scallops	squawfish	sunfish-longear
sculpin	shellfish	shellfish-univalve-gastropod	squawfish-northern	sunfish-longear x sunfish-bluegill hybrid
sculpin-deepwater	shellfish-bivalves	shellfish-univalve-snail-any non-specific fresh water	squawfish-sacramento	sunfish-mud
sculpin-mottled	shellfish-bivalves-clam	shellfish-univalve-snail-bullhead	squid-longfin	sunfish-pumpkinseed
sculpin-pacific staghorn	shellfish-bivalves-clam-asian	shellfish-univalve-snail-heliosomid	stickelback-brook	sunfish-redbreast
sculpin-prickly	shellfish-bivalves-clam-butter	shellfish-univalve-snail-physid	stickleback-fourspine	sunfish-redear
sculpin-riffle	shellfish-bivalves-clam-elliptio freshwater	shellfish-univalve-snail-right hand whorl	stickleback-threespine	sunfish-spotted
sculpin-slimy	shellfish-bivalves-clam-finger nail	shiner-common	stingray-Atlantic	sunfish-warmouth
scup	shellfish-bivalves-clam-flat-tip piddock	shiner-emerald	stingray-bluntnose	surfperch
sea bass	shellfish-bivalves-clam-freshwater not otherwise specified	shiner-golden	stingray-round	surfperch-barred
sea bass-barred sand	shellfish-bivalves-clam-gaper	shiner-non-specific	stingray-southern	surfperch-calico
sea bass-black	shellfish-bivalves-clam-japanese littleneck	shiner-red	stone crab	surfperch-pile
sea bass-striped	shellfish-bivalves-clam-northern razor	shiner-redside	stoneroller	surfperch-redtail
sea bream	shellfish-bivalves-clam-softshell	shiner-satinfin	stoneroller-bluefin	surfperch-silver
sea urchin	shellfish-bivalves-clam-unionid	shiner-spotfin	stoneroller-central	surfperch-spotfin
seafood-other	shellfish-bivalves-cockle	shiner-spottail	stoneroller-largescale	swordfish
seaperch-rainbow	shellfish-bivalves-little neck clam	silky shark	sturgeon	tarpon
seaperch-rubberlip	shellfish-bivalves-mussel-blue	silver perch	sturgeon-atlantic	tautog
seaperch-white	shellfish-bivalves-mussel-California	silver seatrout	sturgeon-eggs	tench
searobin-northern	shellfish-bivalves-mussel-northern horse	silverside-Atlantic	sturgeon-green	tilapia
searobin-striped	shellfish-bivalves-mussels	silverside-brook	sturgeon-lake	tilapia-blue
seatrout	shellfish-bivalves-mussels-foolish	silversides	sturgeon-shortnose	tilapia-mozambique
seatrout-sand	shellfish-bivalves-oyster-american	siscowet	sturgeon-shovelnose	tilapia-redbelly
seatrout-spotted	shellfish-bivalves-oyster-eastern (=oyster-american)	skate	sturgeon-shovelnose (eggs)	tilapia-spotted
seaweed	shellfish-bivalves-oyster-Hawaiian	sleeper-big mouth	sturgeon-white	tilefish
semotilus	shellfish-bivalves-oyster-mangrove	smalltooth sawfish	sucker	toadfish-oyster
shad	shellfish-bivalves-oyster-Pacific	smelt	sucker-blue	tombo
shad-american	shellfish-bivalves-oysters	smelt-longfin	sucker-bridgelip	tomcod-Atlantic
shad-gizzard	shellfish-crab (hepatopancreas)	smelt-rainbow	sucker-hog	topsmelt
shad-hickory	shellfish-crustacean-crab	smooth butterfly ray	sucker-hog alabama	triggerfish-grey
shad-threadfin	shellfish-crustacean-crab (shell)	smooth edged jewelbox	sucker-hog northern	tripletail
shark	shellfish-crustacean-crab-blue	snakehead-bullseye	sucker-hog roanoke	trout
shark-Atlantic sharpnose	shellfish-crustacean-crab-blue (hepatopancreas)	snapper-cubera	sucker-largescale	trout-apache
shark-blacknose	shellfish-crustacean-crab-dungeness	snapper-gray	sucker-longnose	trout-brook
shark-blacktip	shellfish-crustacean-crab-dungeness (claw)	snapper-lane	sucker-other	trout-brown
shark-brown smooth hound	shellfish-crustacean-crab-dungeness (hepatopancreas)	snapper-mutton	sucker-rustyside	trout-bull
shark-dusky	shellfish-crustacean-crab-graceful rock	snapper-red	sucker-sacramento	trout-cutbow
shark-gray smoothhound	shellfish-crustacean-crab-red rock	snapper-vermillion	sucker-santa ana	trout-cutthroat
shark-great white	shellfish-crustacean-crab-red rock (claw)	snapper-yellowtail	sucker-spotted	trout-cutthroat-lahontan
shark-lemon	shellfish-crustacean-crab-red rock(hepatopancreas)	snook	sucker-utah	trout-cutthroat-snake river
shark-leopard	shellfish-crustacean-crayfish	snook-common	sucker-white	trout-cutthroat-yellowstone
shark-Pacific angel	shellfish-crustacean-crayfish-signal	sole-english	sunfish	trout-lake
shark-salmon	shellfish-crustacean-lobster	sole-fantail	sunfish-bluegill	trout-rainbow
shark-sandbar	shellfish-crustaceans	sole-rock	sunfish-bluespotted	trout-redband

SPECIES TABLE – Continued				
trout-siscowet	tuna-blackfin	turtles	waterfowl-coot-american	whitefish-lake
trout-splake	tuna-canned white	turtle-snapping	waterfowl-ducks	whitefish-mountain
trout-steelhead	tuna-skipjack	wahoo	waterfowl-MALLARD	whitefish-ocean
trout-tiger	tuna-yellowfin	walleye	waterfowl-mergansers	whitefish-round
truite de mer	tunny-little	walleye (eggs)	waterfowl-woodducks	whiting-blue
tuna	turbot-diamond	walleye surfperch	weakfish	windowpane
tuna (steak)	turbot-spotted	waterfowl (liver)	white shrimp	yellow jack
tuna-albacore	turtle-eastern painted	waterfowl except mergansers	whitefish	yellow fin menhaden
tuna-bigeye				

SAMPLE TYPE TABLE				
composite	viscera	dorsal muscle plug with skin (	steak scute	gall bladder
crab meat	whole	turtle muscle/somatic (MSOM)	muscle	gonad fat
eggs	fillet skin off - composite	brain	leg muscle	spleen
fillet	tissue	fat	kidney	stomach contents
fillet - composite	homogenized	lipid	intestinal tract growth	testes
fillet skin off	edible portion	gills	hepatopancreas	whole fish with no liver
fillet skin on	carcass	whole - composite	heart	brain fat
individual	skeletal muscle (MSKEL)	fillet skin on - composite	plug-fillet	other
liver	organism without head or viscera	fillet skin on plus skeleton	edible tissue	skin-on
shellfish	fillet dorsal piece without skin	shellfish - edible composite	edible tissue-composite	freeze dried
unknown	dorsal muscle plug without skin	fillet skin on/scales off	abdominal fat	plug

OTHER TABLE		
RESULT UNIT	DETECTION LIMIT UNIT	LENGTH UNIT
ppm	ppm	cm
ppb	ppb	in
pptr	pptr	mm
mg/g	mg/g	
mg/kg	mg/kg	
mg/ug	mg/ug	
ug/g	ug/g	
ug/kg	ug/kg	
ug/ng	ug/ng	