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U.S. ENVIRONMENTAL PROTECTION AGENCY

Surface Water Sampling Report

Sample Number	D001-SW-20100714
Medium	Surface Water
City, State	Gulf Shores, Alabama
Latitude	30.22837
Longitude	-87.82635
Sample Date	7/14/2010

Impacts on Aquatic Life		
Benchmark Levels	**Level of Concern for Aquatic Life**	**Impacts on Aquatic Life**
Below EPA risk-based guidelines and state water quality standards for protection of aquatic life.	Low	Below levels that pose problems for aquatic life.
Above EPA risk-based guidelines or state water quality standards for chronic exposure.	Moderate	Levels that might impact the health, growth or reproductive activity of aquatic life if exposed for an extended period of time.
Above EPA risk-based guidelines or state water quality standards for acute exposure or failed a toxicity test.	High	Elevated potential for mortality among aquatic life

To know more about Water Benchmarks for Aquatic Life by Chemical
http://www.epa.gov/bpspill/water-benchmarks.html

To know more about Human Health Benchmarks by Chemical
http://www.epa.gov/bpspill/health-benchmarks.html

Category	Acute Ratio About this	Exceeds Acute Ratio?	Chronic Ratio About this	Exceeds Chronic Ratio?
Oil Related Organic Compounds	2.186	Yes	9.096	Yes

Compound	Acute Aquatic Benchmark About this	Exceeds Acute Aquatic Benchmark?	Chronic Aquatic Benchmark About this	Exceeds Chronic Aquatic Benchmark?
Nickel	74	No	8.2	No
Vanadium	100	No	50	No

Contaminant Name	CAS Number	Result	Unit	Exceeds Human Health Benchmark? About this	Get More Information about this Chemical
Acenaphthene	83-32-9	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Acenaphthylene	208-96-8	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Anthracene	120-12-7	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Benzene	71-43-2	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS

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Contaminant Name	CAS Number	Result	Unit	Exceeds Human Health Benchmark? About this	Get More Information about this Chemical
Benzo(B)Fluoranthene	205-99-2	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Benzo[A]Pyrene	50-32-8	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Benzo[E]Pyrene	192-97-2	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Benzo[Ghi]Perylene	191-24-2	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Benzo[K]Fluoranthene	207-08-9	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Benz[A]Anthracene	56-55-3	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Chrysene	218-01-9	.23	ug/L		ATSDR CAMEO Chemicals EPA SRS
Cumene	98-82-8	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Cyclohexane	110-82-7	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Dibenz[A,H]Anthracene	53-70-3	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Ethylbenzene	100-41-4	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Ethylene Glycol Monobutyl Ether	111-76-2	ND	mg/L	No	ATSDR CAMEO Chemicals EPA SRS
Fluoranthene	206-44-0	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Fluorene	86-73-7	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Indeno[1,2,3-Cd]Pyrene	193-39-5	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Methylcyclohexane	108-87-2	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Naphthalene	91-20-3	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Nickel	7440-02-0	ND	mg/L	No	ATSDR CAMEO Chemicals EPA SRS
O-Xylene	95-47-6	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS

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Contaminant Name	CAS Number	Result	Unit	Exceeds Human Health Benchmark? About this	Get More Information about this Chemical
Perylene	198-55-0	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Phenanthrene	85-01-8	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Propylene Glycol	57-55-6	ND	mg/L	No	ATSDR CAMEO Chemicals EPA SRS
Pyrene	129-00-0	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Toluene	108-88-3	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
Vanadium	7440-62-2	ND	mg/L	No	ATSDR CAMEO Chemicals EPA SRS
Xylene	1330-20-7	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
1-Methylnaphthalene	90-12-0	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS
1-(2-Butoxy-1-Methylethoxy)-2-Propanol	29911-28-2	ND	mg/L	No	ATSDR CAMEO Chemicals EPA SRS
2-Ethylhexanol	104-76-7	ND	mg/L	No	ATSDR CAMEO Chemicals EPA SRS
2-Methylnaphthalene	91-57-6	ND	ug/L	No	ATSDR CAMEO Chemicals EPA SRS

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