Comparison Table in ug/m3

Table 1a. Hazardous Air Pollutant Comparison Levels (ug/m3)				Chronic Inhalation Toxicity Values						Chronic Toxicity Value-based Comparison Concentrations (ug/m3)					Primary Comparison		Acute MRL	Int. MRL	Acute 1hr Exposure		Acute 8hr Exposure		
(Deep Water Horizon Spill Air Toxics Monitoring)				NONCANCER			CANCER			Risk-based Estimates (1yr exp.)			Hazard-based Estimates		24-hour Air Sampling		1-14 day	1yr	AEGL (1hr)		AEGL (8hr)		
CHEMICAL NAME	CAS NO.	HAP NO.	IARC WOE	*RfC mg/m3	*RfC ug/m3	SOURCE	EPA WOE	*IUR 1/(ug/m3)	SOURCE	Risk = 10-4 Conc.	Risk = 10-5 Conc.	Risk = 10-6 Conc.	HQ = 1 Conc.	HQ= 10 Conc.	Conc. (ug/m3)	Toxicity Data Souce	Conc. (ug/m3)	Conc. (ug/m3)	Conc. (ug/m3)	Source	Conc. (ug/m3)	Source	POLLUTANT
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6	107		5	5000	IRIS	Inl						5,000	50,000	11,000	Acute MRL	11,000	3,800	1,300,000	AEGL-1	1,300,000	AEGL-1	Methyl chloroform
1,1,2,2-Tetrachloroethane	79-34-5	149	3				C	5.8E-05	IRIS	120	12	1			120	Risk10-4							1,1,2,2-Tetrachloroethan
1,1,2-Trichloroethane	79-00-5	158	3	0.4	400	P-CAL	C	1.6E-05	IRIS	440	44	4	400	4,000	440	Risk10-4							1,1,2-Trichloroethane
1,1-Dichloroethane (Ethylidene dichloride)	75-34-3	86		0.5	500	HEAST	C	1.6E-06	CAL	4,400	440	44	500	5,000	4,400	Risk10-4							1,1-Dichloroethane
1,1-Dichloroethene (Vinylidene chloride)	75-35-4	168		0.2	200	IRIS	SE						200	2,000	79	Int. MRL		79					1,1-Dichloroethylene
1,2,4-Trichlorobenzene	120-82-1	157		0.2	200	HEAST	D						200	2,000	2,000	HQ=10							1,2,4-Trichlorobenzene
1,2-Dibromoethane (Ethylene dibromide)	106-93-4	80	2A	0.009	9	IRIS	LH	6.0E-04	IRIS	12	1	0.1	9	90	12	Risk10-4			130,000	AEGL-1	35,000	AEGL-1	Ethylene dibromide
1,2-Dichlorobenzene (o-Dichlorobenzene)	95-50-1	WP Entry		0.2	200	HEAST							200	2,000	2,000	HQ=10							1,2-Dichlorobenzene
1,2-Dichloroethane (Ethylene dichloride)	107-06-2	81	2B	2.4	2400	ATSDR	B2	2.6E-05	IRIS	270	27	3	2,400	24,000	270	Risk10-4							Ethylene dichloride
1,2-Dichloropropane	78-87-5	141		0.004	4	IRIS	B2	1.9E-05	Conv. Oral	370	37	4	4	40	230	Acute MRL	230	32					1,2-Dichloropropane
1,3-Butadiene	106-99-0	23	2A	0.002	2	IRIS	CH	3.0E-05	IRIS	230	23	2	2	20	220	Acute MRL	220		1,500,000	AEGL-1	1,500,000	AEGL-1	1,3-Butadiene
1,4-Dichlorobenzene (p-Dichlorobenzene)	106-46-7	53	2B	0.8	800	IRIS	C	1.1E-05	CAL	640	64	6	800	8,000	12,000	Acute MRL	12,000	1,200					1,4-Dichlorobenzene
1,4-Dioxane	123-91-1	72	2B	3.6	3600	D-ATSDR	B2	7.7E-06	CAL	909	91	9	3,600	36,000	7,200	Acute MRL	7,200	3,600	61,000	AEGL-1	61,000	AEGL-1	
3-Chloropropene (Allyl chloride)	107-05-1	10	3	0.001	1	IRIS	C	6.0E-06	CAL	1,200	120	12	1	10	10	HQ=10			8,800	AEGL-1	8,800	AEGL-1	
Acetone	67-64-1	WP Entry		31	31000	ATSDR							31,000	310,000	62,000	Acute MRL	62,000	31,000	480,000	AEGL-1	480,000	AEGL-1	
Acrylonitrile	107-13-1	9	2A	0.002	2	IRIS	B1	6.8E-05	IRIS	100	10	1	2	20	220	Acute MRL	220		10,000	AEGL-1	10,000	AEGL-1	
Benzene	71-43-2	15	1	0.03	30	IRIS	CH	7.8E-06	IRIS	900	90	9	30	300	29	Acute MRL	29	19	170,000	AEGL-1	29,000	AEGL-1	Benzene
Benzyl chloride	100-44-7	18	2B				B2	4.9E-05	CAL	140	14	1			140	Risk10-4							Benzyl chloride
Bromodichloromethane	75-27-4	WP Entry						3.7E-05	CAL	190	19	2			190	Risk10-4							
Bromoform	75-25-2	22	3				B2	1.1E-06	IRIS	6,400	640	64			6,400	Risk10-4							
Bromomethane (Methyl bromide)	74-83-9	105		0.005	5	IRIS	D						5	50	190	Acute MRL	190	190	820,000	AEGL-2	260,000	AEGL-2	Bromomethane
Carbon disulfide	75-15-0	28		0.7	700	IRIS							700	7,000	7,000	HQ=10			40,000	AEGL-1	21,000	AEGL-1	
Carbon Tetrachloride	56-23-5	29	2B	0.1	100	IRIS	LH	6.0E-06	IRIS	1,200	120	12	100	1,000	190	Int. MRL		190	280,000	AEGL-1	120,000	AEGL-1	Carbon tetrachloride
Chlorobenzene	108-90-7	37		1	1000	CAL	D						1,000	10,000	10,000	HQ=10			46,000	AEGL-1	46,000	AEGL-1	Chlorobenzene
Chloroethane (Ethyl chloride)	75-00-3	79		10	10000	IRIS							10,000	100,000	40,000	Acute MRL	40,000						Chloroethane
Chloroform	67-66-3	39	2B	0.098	98	ATSDR	LH						98	980	490	Acute MRL	490	240	310,000	AEGL-2	140,000	AEGL-2	Chloroform
Chloromethane (Methyl chloride)	74-87-3	106		0.09	90	IRIS	Inl						90	900	1,000	Acute MRL	1,000	410	1,900,000	AEGL-2	780,000	AEGL-2	Chloromethane
Cumene	98-82-8	46		0.4	400	IRIS	Inl						400	4,000	4,000	HQ=10			250,000	AEGL-1	250,000	AEGL-1	
Cyclohexane	110-82-7	WP Entry		6	6000	IRIS							6,000	60,000	60,000	HQ=10							
Dibromochloromethane	74-97-5	WP Entry																					
Ethyl Acetate	141-78-6	WP Entry																					
Ethyl benzene	100-41-4	77		1	1000	IRIS	D	2.5E-06	CAL	2,800	280	28	1,000	10,000	43,000	Acute MRL	43,000	3,000	140,000	AEGL-1	140,000	AEGL-1	Ethylbenzene
Heptane	142-82-5	WP Entry																					
Hexachlorobutadiene	87-68-3	90	3	0.09	90	P-CAL	C	2.2E-05	IRIS	320	32	3	90	900	320	Risk10-4							
Hexane (n-Hexane)	110-54-3	95		0.7	700	IRIS	Inl						700	7,000	7,000	HQ=10			12,000,000	AEGL-2	12,000,000	AEGL-2	
m and/or p and/or o Xylenes (mixed)	1330-20-7	169		0.1	100	IRIS	Inl						100	1,000	8,700	Acute MRL	8,700	7,800	560,000	AEGL-1	560,000	AEGL-1	m/p Xylene
Methyl butyl ketone (2-hexanone)	591-78-6	WP Entry		0.03	30	IRIS							30	300	300	HQ=10							
Methyl ethyl ketone (2-butanone)	78-93-3	108		5	5000	IRIS							5,000	50,000	50,000	HQ=10			590,000	AEGL-1	590,000	AEGL-1	
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	111		3	3000	IRIS	Inl						3,000	30,000	30,000	HQ=10							
Methyl tert-butyl ether	1634-04-4	114		3	3000	IRIS		2.6E-07	CAL	27,000	2,700	270	3,000	30,000	7,200	Acute MRL	7,200	2,500	180,000	AEGL-1	180,000	AEGL-1	
Methylene chloride	75-09-2	116	2B	1	1000	ATSDR	B2	4.7E-07	IRIS	15,000	1,500	150	1,000	10,000	2,100	Acute MRL	2,100	1,000	690,000	AEGL-1	210,000	AEGL-2	Dichloromethane
Naphthalene	91-20-3	119		0.003	3	IRIS	C	3.4E-05	CAL	200	21	2	3	30	30	HQ=10							Naphthalene (TSP) STP
Propene	115-07-1	WP Entry		3	3000	CAL							3,000	30,000	30,000	HQ=10							Propylene
Styrene	100-42-5	146	2B	1	1000	IRIS							1,000	10,000	8,500	Acute MRL	8,500		85,000	AEGL-1	85,000	AEGL-1	Styrene
Tetrachloroethene (Tetrachloroethylene)	127-18-4	150	2A	0.27	270	ATSDR	B2-C	5.9E-06	CAL	1,200	120	12	270	2,700	1,400	Acute MRL	1,400		240,000	AEGL-1	240,000	AEGL-1	Tetrachloroethylene
Toluene	108-88-3	152	3	5	5000	IRIS	Inl						5,000	50,000	3,800	Acute MRL	3,800		750,000	AEGL-1	750,000	AEGL-1	Toluene
Trichloroethene (Trichloroethylene)	79-01-6	159	2A	0.6	600	CAL	B2-C	2.0E-06	CAL	3,500	350	35	600	6,000	11,000	Acute MRL	11,000	540	700,000	AEGL-1	410,000	AEGL-1	Trichloroethylene
Vinyl acetate	108-05-4	165	2B	0.2	200	IRIS							200	2,000	35	Int. MRL		35	24,000	AEGL-1	24,000	AEGL-1	
Vinyl bromide	593-60-2	166	2A	0.003	3	IRIS	B2	3.2E-05	HEAST	220	22	2	3	30	30	HQ=10							
Vinyl chloride	75-01-4	167	1	0.1	100	IRIS	CH	8.8E-06	IRIS	800	80	8	100	1,000	1,300	Acute MRL	1,300	77	640,000	AEGL-1	180,000	AEGL-1	Vinyl chloride

Particulate Matter	Level of Concern
PM10	150 ug/m3 (24-hrs)
PM2.5	35 ug/m3 (24-hrs)

Primary Comparison Concentrations (in gray: for 24-hour sampling results are based on the Gulf Canyon Mississippi Monitoring Plan, 5-7-10) were determined based on the following hierarchy: 1) Agency for Toxic Substances and Disease Registry's (ATSDR's) Acute Minimum Risk Levels [MRLs (protective of 1-14 day exposures)], or 2) the lower of either the 1E-4 risk level (adjusted for a 1 year exposure), the non-cancer concentration at a HQ of 10, or the Intermediate MRL. The underlying toxicity values were drawn from the Office of Air Quality Planning Standards (OAQPS) Tables 1 & 2 (http://www.epa.gov/ttn/atw/toxsource/summary.html). Additionally, Risk-based concentrations are provided at 10-4, 10-5, and 10-6 risk levels (adjusted for 1 year exposure). Hazard quotient-based concentrations are also provided at hazard quotients of 1 and 10. Note that Reference Concentrations (RfCs) and Inhalation Unit Risk (IUR) values (although provided by OAQPS Table 1) may be from alternate sources when EPA-specific values were not available [alternate sources include California's (CAL) RfCs, CAL Reference Exposure Levels (RELs), or ATSDR's MRLs]. All comparison levels are in units of ug/m3. Acute and Intermediate MRLs are from http://www.atsdr.cdc.gov/mrls/index.html. CAL RELs are from http://www.oehha.ca.gov/air/allrels.html.

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Comparison Table in ug/m3

Table 1a. Hazardous Air Pollutant Comparison Levels (ug/m3) (Deep Water Horizon Spill Air Toxics Monitoring)				Chronic Inhalation Toxicity Values						Chronic Toxicity Value-based Comparison Concentrations (ug/m3)					Primary Comparison		Acute MRL	Int. MRL	Acute 1hr Exposure		Acute 8hr Exposure		
				NONCANCER			CANCER			Risk-based Estimates (1yr exp.)			Hazard-based Estimates		24-hour Air Sampling		1-14 day	1yr	AEGL (1hr)		AEGL (8hr)		
CHEMICAL NAME	CAS NO.	HAP NO.	IARC WOE	*RfC mg/m3	*RfC ug/m3	SOURCE	EPA WOE	*IUR 1/(ug/m3)	SOURCE	Risk = 10-4 Conc.	Risk = 10-5 Conc.	Risk = 10-6 Conc.	HQ = 1 Conc.	HQ= 10 Conc.	Conc. (ug/m3)	Toxicity Data Souce	Conc. (ug/m3)	Conc. (ug/m3)	Conc. (ug/m3)	Source	Conc. (ug/m3)	Source	POLLUTANT

The Acute Exposure Comparison Levels for 1-hr exposures are selected from either the Acute Exposure Guideline Levels-1 (AEGL-1) (1hr) (1-hour Acute Exposure Guideline Levels for mild effects) or the AEGL-2 = (1hr) (1-hour Acute Exposure Guideline Levels for moderate effects). AEGL-1 and -2 concentrations are from OAQPS's Table 2 and from EPA's Pollution Prevention and Toxics web site (http://www.epa.gov/oppt/aegl/). The 8-hour Acute Exposure Comparison Levels are selected according to the following hierarchy: 1) AEGL-1 (8hr) (8-hour acute exposure guideline levels for mild effects) or 2) AEGL-2 (8hr) (8-hour Acute exposure guideline levels for moderate effects). AEGL-1 is the airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience notable discomfort, irritation, or certain asymptomatic nonsensory effects. However, the effects are not disabling and are transient and reversible upon cessation of exposure. AEGL-2 is the airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience irreversible or other serious, long-lasting adverse health effects or an impaired ability to escape. These predictive effect concentrations are comparable to continuous/short term (1- and 8-hour) sampling results.

Historical Monitoring Concentrations (in Blue - years 2000 - 2010) are summarized per county location as follows: 1) Sample Duration (h) = sample duration in hours, 2) Average = the average concentration based on the "detected" levels per individual chemicals (without considering non-detects), 3) Minimum = the minimum concentration detected (without considering non-detects), 4) Maximum = the maximum concentration detected (without considering non-detects), and 5) Total # Observations = the number of samples in the database. All historical data are from the Air Quality System database (http://www.epa.gov/ttn/airs/airsaqs/).

Particulate Matter 10 and 2.5 levels of concern represent National Ambient Air Quality Standards (http://epa.gov/air/criteria.html). "WP Entry" = non-HAP Chemicals identified in the Work Plan. Bold lettering indicates that the chemical was list in the Sampling Work Plan as relative to this type of burning process.

Comparison Table in ug/m3

			Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summa			
			Mobile County Alabama (Concentrations are in ug/m3)					Hancock County Mississippi (Concentrations are in ug/m3)					Harrison County Mississippi (Concentrations are in ug/m3)					Jackson County Louisiana (Concentrations are in ug/m3)					Jefferson County Louisiana (Concentrations ar			
COUNTY	STATE	Sample Duration (h)	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum
Mobile	AL	7	24	0.2	0.1	1.1	320	24	0.1	0.1	0.2	119	24	0.1	0.04	0.5	311	24	0.2	0.1	0.5	214	24	1	0.01	4
Mobile	AL	7	24	0.2	0.2	0.7	320	24	0.1	0.0	0.1	119	24	0.1	0.01	0.3	311	24	0.1	0.01	0.3	214	24	1	0.05	5
Mobile	AL	7	24	0.2	0.1	5	320	24	0.05	0.02	0.1	119	24	0.1	0.02	0.2	311	24	0.1	0.02	0.2	214	24	0.4	0.02	2
Mobile	AL	7	24	0.1	0.1	0.1	320	24	0.04	0.01	0.04	119	24	0.04	0.01	0.1	311	24	0.1	0.01	0.1	214	24	0.3	0.01	2
Mobile	AL	7	24	0.1	0.1	0.1	320	24	0.1	0.02	0.1	119	24	0.3	0.01	2	311	24	0.5	0.02	2	214	24	0.1	0.03	0.1
Mobile	AL	7	24	1	0.1	42	320	24	0.4	0.1	0.5	119	24	0.3	0.01	1	311	24	0.4	0.01	1	214	24	1	0.1	6
Mobile	AL	7	24	0.2	0.2	0.2	320	24	0.1	0.1	0.1	119	24	0.1	0.03	1	311	24	0.2	0.1	0.4	214	24	0.1	0.1	0.1
Mobile	AL	7	24	0.1	0.1	3	320	24	0.2	0.02	0.2	119	24	0.1	0.01	0.3	311	24	0.1	0.01	0.4	214	24	1	0.02	5
Mobile	AL	7	24	0.1	0.1	0.4	320	24	0.1	0.03	0.4	119	24	0.1	0.02	0.2	311	24	0.2	0.03	7	214	24	0.4	0.03	5
Mobile	AL	7	24	0.1	0.1	0.1	320	24	0.1	0.1	0.2	119	24	0.1	0.02	0.2	311	24	0.1	0.1	0.2	214	24	1	0.1	4
Mobile	AL	7	24	0.1	0.0	0.8	320	24	0.1	0.01	1	239	24	0.1	0.01	1	520	24	0.2	0.01	14	234	24	0.1	0.01	0.5
Mobile	AL	7	24	0.1	0.1	3	320	24	0.2	0.0	0.4	119	24	0.2	0.01	3	311	24	0.2	0.01	1	214	24	1	0.02	57
Mobile	AL	7	24	1	0.03	20	320	24	0.5	0.2	7	239	24	1	0.03	7	520	24	1	0.2	5	234	24	1	0.2	11
Mobile	AL	7	24	0.04	0.04	1	320	24	0.1	0.01	0.1	119	24	0.1	0.01	0.5	311	24	0.1	0.01	0.5	214	24	1	0.01	7
								24	0.1	0.02	0.1	119	24	0.1	0.00	0.3	311	24	0.1	0.003	0.3	214	24	0.1	0.02	0.1
								24	0.1	0.1	0.2	119	24	0.2	0.03	1	311	24	0.3	0.1	1	214	24	1	0.1	5
Mobile	AL	7	24	0.2	0.2	3	320	24	0.1	0.02	0.2	119	24	0.1	0.02	0.2	311	24	0.1	0.02	0.2	214	24	0.1	0.02	0.3
Mobile	AL	7	24	0.3	0.3	1	320	24	1	0.4	1	119	24	1	0.2	1	311	24	0.5	0.2	1	214	24	1	0.4	4
Mobile	AL	7	24	0.05	0.04	2	320	24	0.04	0.01	0.1	119	24	0.1	0.01	0.3	311	24	0.1	0.01	0.3	214	24	1	0.01	4
Mobile	AL	7	24	0.1	0.1	0.4	320	24	0.1	0.01	0.3	119	24	0.1	0.01	1	311	24	0.1	0.01	0.1	214	24	0.1	0.01	0.4
Mobile	AL	7	24	0.2	0.2	1	320	24	0.2	0.01	0.5	119	24	0.1	0.01	1	311	24	0.1	0.01	2	214	24	0.1	0.01	0.6
Mobile	AL	7	24	1	0.2	4	320	24	2	1	3	119	24	2	0.1	5	311	24	1	0.7	4	214	24	1	1	2
								24	0.1	0.1	0.1	119	24	0.1	0.02	0.4	311	24	0.2	0.1	0.4	214	24	0.1	0.1	0.1
Mobile	AL	7	24	0.3	0.03	3	320	24	0.2	0.04	1	239	24	0.5	0.03	6	520	24	1	0.03	26	234	24	1	0.04	4
								24	1	0.1	2	119	24	1	0.03	2	311	24	1	0.03	2	214	24	1	0.1	2
Mobile	AL	7	24	1	0.03	11	320	24	1	0.1	4.0	239	24	1	0.03	22	520	24	4	0.2	98	234	24	1	0.1	11
								24	0.5	0.04	9	119	24	1	0.01	19	311	24	1	0.01	24	214	24	1	0.04	5
								24	0.1	0.01	0.5	119	24	0.1	0.01	1	311	24	0.2	0.01	2	214	24	1	0.01	5
								24	0.1	0.004	0.1	119	24	1	0.00	17	311	24	0.1	0.004	1	214	24	0.1	0.004	1
Mobile	AL	7	24	1	0.2	3	320	24	0.2	0.03	8	119	24	0.4	0.03	19	311	24	0.4	0.03	16	214	24	4	0.1	205
Mobile	AL	7	24	0.2	0.02	2	196	24	0.03	0.003	0.1	119	24	0.1	0.01	0.3	142						24	4	0.01	22
Mobile	AL	7	24	1	0.1	5	318	24	0.4	0.1	2	239	24	1	0.03	6	520	24	1	0.1	7	234	24	1	0.1	4
Mobile	AL	7	24	0.05	0.03	1	320	24	1	0.04	13	239	24	0.3	0.02	15	520	24	0.3	0.02	3	234	24	1	0.02	9
Mobile	AL	7	24	0.2	0.2	7	320	24	0.1	0.03	1	119	24	0.2	0.02	15	311	24	0.2	0.04	2	214	24	1	0.04	6
Mobile	AL	7	24	3	0.3	29	319	24	1	0.2	7	239	24	3	0.3	30	520	24	5	0.5	65	234	24	3	0.3	31
Mobile	AL	7	24	0.2	0.1	5	320	24	0.1	0.03	0.3	119	24	0.1	0.01	0.4	311	24	0.1	0.01	0.4	214	24	1	0.03	4
Mobile	AL	7	24	0.1	0.1	0.1	320	24	0.05	0.01	0.1	119	24	0.04	0.01	0.1	311	24	0.1	0.01	0.1	214	24	0.03	0.01	0.1

Comparison Table in ug/m3

		Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summa			
		Mobile County Alabama (Concentrations are in ug/m3)					Hancock County Mississippi (Concentrations are in ug/m3)					Harrison County Mississippi (Concentrations are in ug/m3)					Jackson County Louisiana (Concentrations are in ug/m3)					Jefferson County Louisiana (Concentrations ar			
COUNTY	STATE	Sample Duration (h)	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum

Comparison Table in ug/m3

ries	Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summa			
re in ug/m3)	Orleans County Louisiana (Concentrations are in ug/m3)					Plaquemines County Louisiana (Concentrations are in ug/m3)					St Bernard County Louisiana (Concentrations are in ug/m3)					St Charles County Louisiana (Concentrations are in ug/m3)					Broward County Florida (Concentrations are in			
Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum
357	24	1	0.4	5	499	24	1	1	1	18	24	1	1	5	236	24	1	1	2	13	8	2	1	2
334	24	1	0.4	6	488	24	1	1	2	18	24	1	1	5	232	24	1	1	3	13	24	0.4	0.01	4
122	24	2	2	2	12						24	2	2	2	4						24	0.2		2
122	24	2	1	2	12						24	2	2	2	4						24	0.2	0.004	1
99																					8	2	2	2
334	24	1	0.5	7	488	24	1	1	2	18	24	1	1	6	232	24	1	1	3	13	24	1	0.0	13
99																					24	3	1	7
357	24	1	0.5	7	500	24	1	1	2	18	24	1	1	6	236	24	1	1	3	13	24	0.5	0.01	9
122	24	2	1	2	12						24	2	2	2	4						24	0.2	0.004	1
334	24	1	0.4	5	488	24	1	1	1	18	24	1	1	5	232	24	1	1	2	13	24	0.2	0.01	1
199																					24	3	0.2	16
357	24	1	0.4	6	500	24	1	1	2	18	24	1	1	6	236	24	1	1	3	13	4	1	1	1
457	24	1	0.4	11	500	24	1	1	3	18	24	1	1	7	236	24	1	1	2	13	24	4	0.03	35
334	24	1	0.4	9	488	24	1	1	2	18	24	1	1	8	232	24	1	1	3	13	24	0.02	0.01	0.03
99																					24	0.02	0.01	0.1
334	24	1	0.4	6	488	24	1	1	2	18	24	1	1	5	232	24	1	1	3	13	24	0.04	0.01	0.2
99																					4	1	0.4	10
334	24	1	0.4	5	488	24	1	1	1	18	24	1	1	5	232	24	1	1	2	13	24	0.5	0.01	21
357	24	1	0.4	6	500	24	1	1	2	18	24	1	1	5	236	24	1	1	2	13	4	4	1	6
99																					24	0.1	0.00	1
99																					24	2	0.5	3
99																					24	2	0.1	10
99																					24	0.0	0.01	0.02
457	24	1	0.4	5	500	24	1	1	1	18	24	1	1	5	236	24	1	1	2	13	4	5	0.3	435
99																					24	2	0.1	34
222	24	7	3	19	12						24	4	3	8	4						4	14	0.03	966
99																					24	1	0.04	5
334	24	1	0.5	7	488	24	1	1	2	18	24	1	1	6	232	24	1	1	3	13	24	0.1	0.01	1
99																					24	0.0	0.01	0.1
99																					24	4	0.1	556
393	24	4	0.4	29	691	24	4	2	9	35	24	4	1	25	283	24	5	2	14	26				
199																					24	72	30	111
457	24	2	1	12	500	24	1	1	2	18	24	2	1	10	236	24	2	1	4	13	4	9	0.03	1250
357	24	1	0.4	10	500	24	1	1	1	18	24	1	1	5	236	24	1	1	2	13	4	2	1	24
457	24	2	0.4	29	500	24	2	1	7	18	24	2	1	20	236	24	1	1	3	13	4	22	0.38	699
357	24	1	0.3	6	500	24	1	1	1.3	18	24	1	1	4	236	24	1	1	2	13	24	2	1	3
99																					24	0.1	0.003	0.4

Comparison Table in ug/m3

ries	Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summa			
re in ug/m3)	Orleans County Louisiana (Concentrations are in ug/m3)					Plaquemines County Louisiana (Concentrations are in ug/m3)					St Bernard County Louisiana (Concentrations are in ug/m3)					St Charles County Louisiana (Concentrations are in ug/m3)					Broward County Florida (Concentrations are in			
Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum

Comparison Table in ug/m3

ries	Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries				
ı ug/m3)	Hillsborough County Florida (Concentrations are in ug/m3)					Leon County Florida (Concentrations are in ug/m3)					Miami County Florida (Concentrations are in ug/m3)					Orange County Florida (Concentrations are in ug/m3)					Palm Beach County Florida (Concentrations are in ug/m3)				
Total # Observatio	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation
5	24	0.1	0.03	2	1048	24	1	0.3	1	92	24	0.3	0.1	3	267	24	0.1	0.03	0.3	228	24	1	0.4	1	22
1745	24	0.1	0.02	0.4	1048	24	1	0.3	2	92	24	0.4	0.3	1	249	24	0.1	0.02	0.2	228	24	1	1	2	22
1753	24	0.1	0.02	1	1048	24	1	0.3	3	92	24	0.2	0.2	2	253	24	0.1	0.02	0.3	228	24	1	0.4	1	22
1725	24	0.1	0.02	0.3	1048	24	0.4	0.2	1	92	24	0.2	0.1	0.3	268	24	0.04	0.02	0.1	228	24	0.4	0.3	1	22
3	24	0.1	0.04	0.4	1048	24	0.4	0.2	1	92	24	0.2	0.1	0.3	263	24	0.1	0.04	0.1	228	24	0.4	0.3	1	22
1534	24	0.2	0.04	1.4	1023	24	1	0.4	7	92	24	1	1	7	231	24	0.2	0.04	1	221	24	3	2	5	22
4	24	0.1	0.02	0.5	1047	24	1	0.4	2	92	24	0.3	0.2	1	255	24	0.1	0.02	0.2	228	24	1	1	1	22
1740	24	0.1	0.02	0.4	1048	24	1	0.3	2	92	24	1	0.3	3	260	24	0.1	0.02	0.2	228	24	1.4	1	2	22
1771	24	0.1	0.02	0.3	1048	24	0.4	0.2	1	92	24	0.2	0.1	1	263	24	0.1	0.02	0.3	228	24	0.4	0.3	1	22
1775	24	0.1	0.02	0.3	1048	24	0.4	0.2	1	92	24	0.2	0.1	20	268	24	0.1	0.03	0.1	228	24	0.3	0.2	0.5	22
37	24	0.1	0.02	1	1048	24	0.3	0.1	1	92	24	0.2	0.1	2	243	24	0.1	0.02	0.4	228	24	0.2	0.2	0.4	22
11	24	0.2		5	1048	24	1	0.3	2	92	24	1	0.3	8	263	24	0.2	0.01	0.5	228	24	1	1	2.3	22
685	24	1	0.1	7	1048	24	1	0.2	3	92	24	1	0.1	4	268	24	1	0.2	2	228	24	1	0.4	2	22
85																									
85																									
85																									
106	24	0.4	0.04	35	1045	24	0.4	0.2	1	92	24	0.2	0.1	2	267	24	0.1	0.1	2	228	24	1	0.3	2	22
1732	24	1	0.1	1	1048	24	1	0.3	2	92	24	1	0.2	3	239	24	1	0.4	1	228	24	1	0.5	1	21
3	24	0.1	0.02	0.3	1048	24	0.4	0.2	1	92	24	0.3	0.1	1	267	24	0.1	0.02	0.1	228	24	0.5	0.3	1	22
1768	24	0.1	0.01	1	1044	24	0.3	0.1	3	92	24	0.1	0.1	0.4	261	24	0.1	0.01	0.1	228	24	0.2	0.2	0.4	22
6	24	0.1	0.02	1	1048	24	0.5	0.2	1	92	24	0.4	0.1	14	268	24	0.2	0.05	3	228	24	0.4	0.3	1	22
558	24	1.3	0.7	3.5	1047	24	1	0.1	3	92	24	1	0.1	8	234	24	1	0.9	2	228	24	1	0.3	3	16
85																									
1802	24	0.3	0.04	12	1048	24	0.5	0.2	1	92	24	1	0.1	4	267	24	0.3	0.05	1	228	24	1	0.4	1	22
1559	24	0.2	0.03	1	1016	24	1	1	13	92	24	1	1	10	234	24	0.3	0.03	1	219	24	3	2	4	21
1901	24	1	0.1	44	1048	24	1	0.2	3	92	24	2	0.3	15	266	24	1	0.1	5	228	24	2	1	3	22
85																									
85																									
85																									
1431	24	0.4	0.1	37	1048	24	1	0.2	3	72	24	3	0.2	104	248	24	0.4	0.1	3	228	24	1	1	7	22
	24	0.04	0.01	0.1	181																				
21																									
1880	24	0.3	0.02	9	1048	24	1	0.2	3	92	24	1	0.1	47	246	24	0.1	0.02	1	228	24	0.5	0.3	1	22
481	24	0.2	0.02	1	1046	24	1	0.3	2	92	24	0.4	0.2	6	265	24	0.3	0.1	3	227	24	1	0.5	2	22
1947	24	2	0.2	47	1048	24	4	0.5	31	92	24	4	0.1	17	267	24	2	0.4	6	228	24	4	1	13	22
3	24	0.1	0.03	1	1043	24	1	0.3	1	92	24	0.3	0.1	2	267	24	0.1	0.03	1	228	24	0.5	0.4	1	22
1739	24	0.1	0.03	1.1	1048	24	0.2	0.1	1	92	24	0.1	0.1	1	267	24	0.1	0.03	0.1	228	24	0.3	0.2	0.4	22

Comparison Table in ug/m3

ries	Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries					Historical Monitoring Summaries				
ug/m3)	Hillsborough County Florida (Concentrations are in ug/m3)					Leon County Florida (Concentrations are in ug/m3)					Miami County Florida (Concentrations are in ug/m3)					Orange County Florida (Concentrations are in ug/m3)					Palm Beach County Florida (Concentrations are in ug/m3)				
Total # Observatio	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation	Sample Duration	Average	Minimum	Maximum	Total # Observation

Comparison Table in ug/m3

Historical Monitoring Summaries

Pinella County Florida (Concentrations are in ug/m3)				
Sample Duration	Average	Minimum	Maximum	Total # Observation
24	0.2	0.03	16	1042
24	0.1	0.02	0.4	1042
24	0.1	0.02	0.3	1042
24	0.1	0.02	0.3	1042
12	0.1	0.1	0.4	119
24	0.2	0.04	1	1018
24	0.1	0.02	0.4	1040
24	0.1	0.02	0.4	1042
24	0.1	0.02	0.2	1042
24	0.1	0.02	14	1042
24	0.1	0.02	1	1042
12	0.2	0.1	2	119
12	1	0.3	7	119
24	0.2	0.04	22	1040
12	1	0.4	1	119
12	0.1	0.05	0.2	119
12	0.1	0.1	0.3	119
24	0.2	0.02	3	1042
24	1	0.02	3	1041
24	0.4	0.03	3	1042
12	0.2	0.2	1	119
12	2	0.3	10	119
12	0.5	0.1	2	119
24	0.1	0.01	0.3	111
24	0.2	0.0	5	1042
12	0.2	0.1	2	119
24	2	0.0	58	1042
24	0.1	0.0	1	1035
12	0.1	0.1	0.4	119

Comparison Table in ug/m3

Historical Monitoring Summaries

Pinella County Florida (Concentrations are in ug/m3)				
Sample Duration	Average	Minimum	Maximum	Total # Observation

Comparison Table in ppm

Table 1b. Hazardous Air Pollutant Comparison Levels (ppm) (Deep Water Horizon Spill Air Toxics Monitoring)					Chronic Toxicity Value-based Comparison Concentrations (ppm)					Primary Comparison		Acute MRL	Int. MRL	Acute 1hr Exposure		Acute 8hr Exposure					
					Risk-based Estimates (1yr exp.)			Hazard-based Estimates		4-hour Air Samplin		1-14 day	1yr	AEGL (1hr)		AEGL (8hr)					
CHEMICAL NAME	CAS NO.	HAP NO.	IARC WOE	Molecular Weight	Risk = 10-4 Conc.	Risk = 10-5 Conc.	Risk = 10-6 Conc.	HQ = 1 Conc.	HQ= 10 Conc.	Conc. (ppm)	Toxicity Data Souce	Conc. (ppm)	Conc. (ppm)	Conc. (ppm)	Source	Conc. (ppm)	Source	POLLUTANT	COUNTY	STATE	Sample Duration (h)
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6	107		133.41				1	9	2	Acute MRL	2	0.7	240	AEGL-1	240	AEGL-1	Methyl chloroform	Mobile	AL	7
1,1,2,2-Tetrachloroethane	79-34-5	149	3	167.85	0.02	0.002	0.0002			0.02	Risk10-4							1,1,2,2-Tetrachloroethan	Mobile	AL	7
1,1,2-Trichloroethane	79-00-5	158	3	133.41	0.1	0.01	0.001	0.1	1	0.1	Risk10-4							1,1,2-Trichloroethane	Mobile	AL	7
1,1-Dichloroethane (Ethylidene dichloride)	75-34-3	86		98.96	1	0.1	0.01	0.1	1	1	Risk10-4							1,1-Dichloroethane	Mobile	AL	7
1,1-Dichloroethene (Vinylidene chloride)	75-35-4	168		96.94				0.1	1	0.02	Int. MRL		0.02					1,1-Dichloroethylene	Mobile	AL	7
1,2,4-Trichlorobenzene	120-82-1	157		181.45				0.03	0.3	0.3	HQ=10							1,2,4-Trichlorobenzene	Mobile	AL	7
1,2-Dibromoethane (Ethylene dibromide)	106-93-4	80	2A	187.86	0.002	0.0002	0.00002	0.001	0.01	0.002	Risk10-4			17	AEGL-1	5	AEGL-1	Ethylene dibromide	Mobile	AL	7
1,2-Dichlorobenzene (o-Dichlorobenzene)	95-50-1	WP Entry		147				0.03	0.3	0.3	HQ=10							1,2-Dichlorobenzene	Mobile	AL	7
1,2-Dichloroethane (Ethylene dichloride)	107-06-2	81	2B	98.96	0.1	0.01	0.001	1	6	0.1	Risk10-4							Ethylene dichloride	Mobile	AL	7
1,2-Dichloropropane	78-87-5	141		112.99	0.1	0.01	0.001	0.001	0.01	0.05	Acute MRL	0.05	0.01					1,2-Dichloropropane	Mobile	AL	7
1,3-Butadiene	106-99-0	23	2A	54.09	0.1	0.01	0.001	0.001	0.01	0.1	Acute MRL	0.1		680	AEGL-1	680	AEGL-1	1,3-Butadiene	Mobile	AL	7
1,4-Dichlorobenzene (p-Dichlorobenzene)	106-46-7	53	2B	147	0.1	0.01	0.001	0.1	1	2	Acute MRL	2	0.2					1,4-Dichlorobenzene	Mobile	AL	7
1,4-Dioxane	123-91-1	72	2B	88.11	0.3	0.03	0.003	1.0	10	2	Acute MRL	2	1	17	AEGL-1	17	AEGL-1				
3-Chloropropene (Allyl chloride)	107-05-1	10	3	76.53	0.4	0.04	0.004	0.0003	0.003	0.003	HQ=10			3	AEGL-1	3	AEGL-1				
Acetone	67-64-1	WP Entry		58.08				13	130	26	Acute MRL	26	13	200	AEGL-1	200	AEGL-1				
Acrylonitrile	107-13-1	9	2A	53.06	0.05	0.005	0.0005	0.001	0.01	0.1	Acute MRL	0.1		5	AEGL-1	5	AEGL-1				
Benzene	71-43-2	15	1	78.12	0.3	0.03	0.003	0.01	0.1	0.01	Acute MRL	0.01	0.01	53	AEGL-1	9	AEGL-1	Benzene	Mobile	AL	7
Benzyl chloride	100-44-7	18	2B	126.59	0.03	0.003	0.0003			0.03	Risk10-4							Benzyl chloride	Mobile	AL	7
Bromodichloromethane	75-27-4	WP Entry		163.83	0.03	0.003	0.0003			0.03	Risk10-4										
Bromoform	75-25-2	22	3	252.73	1	0.1	0.01			1	Risk10-4										
Bromomethane (Methyl bromide)	74-83-9	105		94.94				0.001	0.01	0.05	Acute MRL	0.05	0.05	210	AEGL-2	67	AEGL-2	Bromomethane	Mobile	AL	7
Carbon disulfide	75-15-0	28		76.14				0.2	2	2	HQ=10			13	AEGL-1	7	AEGL-1				
Carbon Tetrachloride	56-23-5	29	2B	153.82	0.2	0.02	0.002	0.02	0.2	0.03	Int. MRL		0.03	45	AEGL-1	19	AEGL-1	Carbon tetrachloride	Mobile	AL	7
Chlorobenzene	108-90-7	37		112.56				0.2	2	2	HQ=10			10	AEGL-1	10	AEGL-1	Chlorobenzene	Mobile	AL	7
Chloroethane (Ethyl chloride)	75-00-3	79		64.52				4	38	15	Acute MRL	15						Chloroethane	Mobile	AL	7
Chloroform	67-66-3	39	2B	119.38				0.02	0.2	0.1	Acute MRL	0.1	0.05	63	AEGL-2	29	AEGL-2	Chloroform	Mobile	AL	7
Chloromethane (Methyl chloride)	74-87-3	106		50.49				0.04	0.4	0.5	Acute MRL	0.5	0.2	920	AEGL-2	380	AEGL-2	Chloromethane	Mobile	AL	7
Cumene	98-82-8	46		120.2				0.1	1	1	HQ=10			51	AEGL-1	51	AEGL-1				
Cyclohexane	110-82-7	WP Entry		84.16				2	17	17	HQ=10										
Dibromochloromethane	74-97-5	WP Entry																			
Ethyl Acetate	141-78-6	WP Entry																			
Ethyl benzene	100-41-4	77		106.17	1	0.1	0.01	0.2	2	10	Acute MRL	10	0.7	33	AEGL-1	33	AEGL-1	Ethylbenzene	Mobile	AL	7
Heptane	142-82-5	WP Entry																			
Hexachlorobutadiene	87-68-3	90	3	260.76	0.03	0.003	0.0003	0.01	0.1	0.03	Risk10-4										
Hexane (n-Hexane)	110-54-3	95		86.18				0.2	2	2	HQ=10			3400	AEGL-2	3400	AEGL-2				
m and/or p and/or o Xylenes (mixed)	1330-20-7	169		106.17				0.02	0.2	2	Acute MRL	2	2	130	AEGL-1	130	AEGL-1	m/p Xylene	Mobile	AL	7
Methyl butyl ketone (2-hexanone)	591-78-6	WP Entry		100.16				0.01	0.1	0.1	HQ=10										
Methyl ethyl ketone (2-butanone)	78-93-3	108		72.11				2	17	17	HQ=10			200	AEGL-1	200	AEGL-1				
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	111		100.16				0.7	7	7	HQ=10										
Methyl tert-butyl ether	1634-04-4	114		88.15	7	1	0.1	0.8	8	2	Acute MRL	2	1	50	AEGL-1	50	AEGL-1				
Methylene chloride	75-09-2	116	2B	84.93	4	0.4	0.04	0.3	3	1	Acute MRL	1	0.3	200	AEGL-1	60	AEGL-2	Dichloromethane	Mobile	AL	7
Naphthalene	91-20-3	119		128.18	0.04	0.004	0.0004	0.001	0.01	0.01	HQ=10							Naphthalene (TSP) STP	Mobile	AL	7
Propene	115-07-1	WP Entry		42.08				2	17	17	HQ=10							Propylene	Mobile	AL	7
Styrene	100-42-5	146	2B	104.15				0.2	2	2	Acute MRL	2		20	AEGL-1	20	AEGL-1	Styrene	Mobile	AL	7
Tetrachloroethene (Tetrachloroethylene)	127-18-4	150	2A	165.83	0.2	0.02	0.002	0.04	0.4	0.2	Acute MRL	0.2		35	AEGL-1	35	AEGL-1	Tetrachloroethylene	Mobile	AL	7
Toluene	108-88-3	152	3	92.14				1	13	1	Acute MRL	1		200	AEGL-1	200	AEGL-1	Toluene	Mobile	AL	7
Trichloroethene (Trichloroethylene)	79-01-6	159	2A	131.39	1	0.1	0.01	0.1	1	2	Acute MRL	2	0.1	130	AEGL-1	76	AEGL-1	Trichloroethylene	Mobile	AL	7
Vinyl acetate	108-05-4	165	2B	86.09				0.1	1	0.01	Int. MRL		0.010000023	7	AEGL-1	7	AEGL-1				
Vinyl bromide	593-60-2	166	2A	106.95	0.1	0.01	0.001	0.001	0.01	0.01	HQ=10										
Vinyl chloride	75-01-4	167	1	62.5	0.3	0.03	0.003	0.04	0.4	1	Acute MRL	1	0.03	250	AEGL-1	70	AEGL-1	Vinyl chloride	Mobile	AL	7

Primary Comparison Concentrations (in gray: for 24-hour sampling results are based on the Gulf Canyon Mississippi Monitoring Plan, 5-7-10) were determined based on the following hierarchy: 1) Agency for Toxic Substances and Disease Registry's (ATSDR's) Acute Minimum Risk Levels [MRLs (protective of 1-14 day exposures)], or 2) the lower of either the 1E-4 risk level (adjusted for a 1 year exposure), the non-cancer concentration at a HQ of 10, or the Intermediate MRL. The underlying toxicity values were drawn from the Office of Air Quality Planning Standards (OAQPS) Tables 1 & 2 (http://www.epa.gov/ttn/atw/toxsource/summary.html). Additionally, Risk-based concentrations are provided at 10-4, 10-5, and 10-6 risk levels (adjusted for 1 year exposure). Hazard quotient-based concentrations are also provided at hazard quotients of 1 and 10. Note that Reference Concentrations (RfCs) and Inhalation Unit Risk (IUR) values (although provided by OAQPS Table 1) may be from alternate sources when EPA-specific values were not available [alternate sources include California's (CAL) RfCs, CAL Reference Exposure Levels (RELs), or ATSDR's MRLs]. All comparison levels are in units of ug/m3. Acute and Intermediate MRLs are from http://www.atsdr.cdc.gov/mrls/index.html. CAL RELs are from http://www.oehha.ca.gov/air/allrels.html.

The Acute Exposure Comparison Levels for 1-hr exposures are selected from either the Acute Exposure Guideline Levels-1 (AEGL-1) (1hr) (1-hour Acute Exposure Guideline Levels for mild effects) or the AEGL-2 = (1hr) (1-hour Acute Exposure Guideline Levels for moderate effects). AEGL-1 and -2 concentrations are from OAQPS's Table 2 and from EPA's Pollution Prevention and Toxics web site (http://www.epa.gov/oppt/aegl/). The 8-hour Acute Exposure Comparison Levels are selected according to the following hierarchy: 1) AEGL-1 (8hr) (8-hour acute exposure guideline levels for mild effects) or 2) AEGL-2 (8hr) (8-hour Acute exposure guideline levels for moderate effects). AEGL-1 is the airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience notable discomfort, irritation, or certain asymptomatic nonsensory effects. However, the effects are not disabling and are transient and reversible upon cessation of exposure. AEGL-2 is the airborne concentration of a substance above which it is predicted that the general population, including susceptible individuals, could experience irreversible or other serious, long-lasting adverse health effects or an impaired ability to escape. These predictive effect concentrations are comparable to continuous/short term (1- and 8-hour) sampling results.

Comparison Table in ppm

Historical Monitoring Concentrations (in Blue - years 2000 - 2010) are summarized per county location as follows: 1) Sample Duration (h) = sample duration in hours, 2) Average = the average concentration based on the "detected" levels per individual chemicals (without considering non-detects), 3) Minimum = the minimum concentration detected (without considering non-detects), 4) Maximum = the maximum concentration detected (without considering non-detects), and 5) Total # Observations = the number of samples in the database. All historical data are from the Air Quality System database (http://www.epa.gov/ttn/airs/airsaqs/).

Particulate Matter 10 and 2.5 levels of concern represent National Ambient Air Quality Standards (http://epa.gov/air/criteria.html). "WP Entry" = non-HAP Chemicals identified in the Work Plan. Bold lettering indicates that the chemical was list in the Sampling Work Plan as relative to this type of burning process.

Comparison Table in ppm

Historical Monitoring Summaries

Mobile County Alabama (Concentrations are in ppm)

Sample Duration (h)	Average	Minimum	Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT	COUNTY	STATE	Sample Duration (h)
24	0.00003	0.00002	0.0002	320	Parts per billion Carbon	0.0656	0.050	0.400	Methyl chloroform	Hancock	MS	7
24	0.00003	0.00003	0.0001	320	Parts per billion Carbon	0.0505	0.050	0.200	1,1,2,2-Tetrachloroethan	Hancock	MS	7
24	0.00003	0.00002	0.001	320	Parts per billion Carbon	0.0623	0.050	1.700	1,1,2-Trichloroethane	Hancock	MS	7
24	0.00003	0.00002	0.00002	320	Parts per billion Carbon	0.0500	0.050	0.050	1,1-Dichloroethane	Hancock	MS	7
24	0.00003	0.00002	0.00002	320	Parts per billion Carbon	0.0500	0.050	0.050	1,1-Dichloroethylene	Hancock	MS	7
24	0.0001	0.00001	0.01	320	Parts per billion Carbon	0.6313	0.050	33.600	1,2,4-Trichlorobenzene	Hancock	MS	7
24	0.00003	0.00002	0.00002	320	Parts per billion Carbon	0.0500	0.050	0.050	Ethylene dibromide	Hancock	MS	7
24	0.00001	0.00001	0.0005	320	Parts per billion Carbon	0.0647	0.050	2.700	1,2-Dichlorobenzene	Hancock	MS	7
24	0.00003	0.00002	0.0001	320	Parts per billion Carbon	0.0505	0.050	0.200	Ethylene dichloride	Hancock	MS	7
24	0.00002	0.00002	0.00002	320	Parts per billion Carbon	0.0500	0.050	0.050	1,2-Dichloropropane	Hancock	MS	7
24	0.00003	0.00001	0.0004	320	Parts per billion Carbon	0.1011	0.050	1.500	1,3-Butadiene	Hancock	MS	7
24	0.00001	0.00001	0.0004	320	Parts per billion Carbon	0.0767	0.050	2.600	1,4-Dichlorobenzene	Hancock	MS	7
24	0.0004	0.00001	0.01	320	Parts per billion Carbon	2.1605	0.050	36.900	Benzene	Hancock	MS	7
24	0.00001	0.00001	0.0001	320	Parts per billion Carbon	0.0564	0.050	0.900	Benzyl chloride	Hancock	MS	7
									Bromodichloromethane	Hancock	MS	7
									Bromoform	Hancock	MS	7
24	0.0001	0.00005	0.001	320	Parts per billion Carbon	0.0580	0.050	0.800	Bromomethane	Hancock	MS	7
24	0.0001	0.0001	0.0001	320	Parts per billion Carbon	0.0509	0.050	0.100	Carbon tetrachloride	Hancock	MS	7
24	0.00001	0.00001	0.0004	320	Parts per billion Carbon	0.0598	0.050	2.500	Chlorobenzene	Hancock	MS	7
24	0.00003	0.00003	0.0002	320	Parts per billion Carbon	0.0522	0.050	0.300	Chloroethane	Hancock	MS	7
24	0.0001	0.00005	0.0002	320	Parts per billion Carbon	0.0506	0.050	0.200	Chloroform	Hancock	MS	7
24	0.0007	0.0001	0.002	320	Parts per billion Carbon	0.6616	0.100	2.000	Chloromethane	Hancock	MS	7
									Bromochloromethane	Hancock	MS	7
24	0.0001	0.00001	0.001	320	Parts per billion Carbon	0.5963	0.050	4.900	Ethylbenzene	Hancock	MS	7
									Hexachlorobutadiene	Hancock	MS	7
24	0.0003	0.00001	0.002	320	Parts per billion Carbon	2.3545	0.050	19.400	m/p Xylene	Hancock	MS	7
									Methyl ethyl ketone	Hancock	MS	7
									Methyl isobutyl ketone	Hancock	MS	7
									Methyl tert-butyl ether	Hancock	MS	7
24	0.0002	0.0001	0.001	320	Parts per billion Carbon	0.1706	0.050	0.800	Dichloromethane	Hancock	MS	7
24	0.00004	0.000004	0.0003	196	Nanograms/cubic meter (25 C	191.9929	18.900	1678.400	Naphthalene (TSP) STP	Hancock	MS	7
24	0.0004	0.0001	0.003	318	Parts per billion Carbon	1.2610	0.200	8.600	Propylene	Hancock	MS	7
24	0.00001	0.00001	0.000	320	Parts per billion Carbon	0.0869	0.050	2.700	Styrene	Hancock	MS	7
24	0.00003	0.00003	0.001	320	Parts per billion Carbon	0.0634	0.050	2.100	Tetrachloroethylene	Hancock	MS	7
24	0.001	0.0001	0.01	319	Parts per billion Carbon	5.2918	0.500	53.500	Toluene	Hancock	MS	7
24	0.00003	0.00002	0.001	320	Parts per billion Carbon	0.0559	0.050	1.800	Trichloroethylene	Hancock	MS	7
24	0.00002	0.00003	0.00003	320	Parts per billion Carbon	0.0500	0.050	0.050	Vinyl chloride	Hancock	MS	7

Historical Monitoring Summaries

Hancock County Mississippi (Concentrations are in ppm)

Sample Duration (h)	Average	Minimum	Maximum
24	0.00003	0.00001	0.00004
24	0.00002	0.000005	0.00002
24	0.00001	0.000003	0.00001
24	0.00001	0.000003	0.00001
24	0.00002	0.00001	0.00002
24	0.0001	0.00001	0.0001
24	0.00001	0.00001	0.00002
24	0.00003	0.000002	0.00003
24	0.00001	0.00001	0.0001
24	0.00002	0.00001	0.00003
24	0.00005	0.000003	0.0004
24	0.00003	0.000003	0.0001
24	0.0002	0.0001	0.002
24	0.00001	0.000003	0.00002
24	0.00001	0.000003	0.00002
24	0.00001	0.00001	0.00002
24	0.00002	0.000005	0.00004
24	0.0001	0.00006	0.0002
24	0.00001	0.000003	0.00003
24	0.00002	0.000004	0.0001
24	0.00003	0.000002	0.0001
24	0.001	0.0004	0.002
24			
24	0.00004	0.00001	0.0002
24	0.0001	0.000005	0.0002
24	0.0001	0.00003	0.001
24	0.0002	0.00001	0.003
24	0.00003	0.000003	0.0001
24	0.00003	0.000001	0.00003
24	0.0001	0.00001	0.002
24	0.000005	0.000001	0.00001
24	0.0003	0.0001	0.001
24	0.0003	0.00001	0.003
24	0.00001	0.00001	0.0001
24	0.0002	0.00004	0.002
24	0.00002	0.00001	0.0001
24	0.00002	0.000004	0.00002

Comparison Table in ppm

Comparison Table in ppm

Historical Monitoring Summaries

Harrison County Mississippi (Concentrations are in ppm)

Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT	COUNTY	STATE	Sample Duration (h)	Sample Duration (h)	Average	Minimum	Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE
119	Parts per billion Carbon	0.0524	0.020	0.080	Methyl chloroform	Harrison	MS	7	24	0.00002	0.00001	0.0001	311	Parts per billion Carbon	0.0495	0.016	0.200
119	Parts per billion Carbon	0.0358	0.010	0.040	1,1,2,2-Tetrachloroethan	Harrison	MS	7	24	0.00002	0.000001	0.00005	311	Parts per billion Carbon	0.0304	0.002	0.090
119	Parts per billion Carbon	0.0178	0.006	0.020	1,1,2-Trichloroethane	Harrison	MS	7	24	0.00001	0.000003	0.00004	311	Parts per billion Carbon	0.0255	0.006	0.080
119	Parts per billion Carbon	0.0178	0.006	0.020	1,1-Dichloroethane	Harrison	MS	7	24	0.00001	0.000003	0.00002	311	Parts per billion Carbon	0.0210	0.006	0.050
119	Parts per billion Carbon	0.0359	0.010	0.040	1,1-Dichloroethylene	Harrison	MS	7	24	0.0001	0.000003	0.001	311	Parts per billion Carbon	0.1647	0.005	1.000
119	Parts per billion Carbon	0.3606	0.045	0.420	1,2,4-Trichlorobenzene	Harrison	MS	7	24	0.00004	0.000001	0.0001	311	Parts per billion Carbon	0.2532	0.008	0.540
119	Parts per billion Carbon	0.0283	0.018	0.036	Ethylene dibromide	Harrison	MS	7	24	0.00002	0.000004	0.0001	311	Parts per billion Carbon	0.0337	0.007	0.200
119	Parts per billion Carbon	0.1538	0.015	0.180	1,2-Dichlorobenzene	Harrison	MS	7	24	0.00002	0.000002	0.0001	311	Parts per billion Carbon	0.1098	0.010	0.330
119	Parts per billion Carbon	0.0299	0.015	0.200	Ethylene dichloride	Harrison	MS	7	24	0.00002	0.000004	0.0001	311	Parts per billion Carbon	0.0346	0.009	0.120
119	Parts per billion Carbon	0.0461	0.045	0.099	1,2-Dichloropropane	Harrison	MS	7	24	0.00002	0.000005	0.00004	311	Parts per billion Carbon	0.0501	0.015	0.105
239	Parts per billion Carbon	0.1978	0.012	1.770	1,3-Butadiene	Harrison	MS	7	24	0.00005	0.000003	0.0003	520	Parts per billion Carbon	0.1835	0.012	1.300
119	Parts per billion Carbon	0.1562	0.018	0.360	1,4-Dichlorobenzene	Harrison	MS	7	24	0.00003	0.000002	0.001	311	Parts per billion Carbon	0.2051	0.010	3.440
239	Parts per billion Carbon	0.9779	0.320	12.600	Benzene	Harrison	MS	7	24	0.0003	0.00001	0.002	520	Parts per billion Carbon	1.8634	0.050	12.780
119	Parts per billion Carbon	0.0912	0.018	0.105	Benzyl chloride	Harrison	MS	7	24	0.00002	0.000001	0.0001	311	Parts per billion Carbon	0.1229	0.007	0.665
119	Parts per billion Carbon	0.0132	0.004	0.015	Bromodichloromethane	Harrison	MS	7	24	0.00001	0.0000004	0.00005	311	Parts per billion Carbon	0.0135	0.001	0.050
119	Parts per billion Carbon	0.0098	0.009	0.017	Bromoform	Harrison	MS	7	24	0.00002	0.000003	0.0001	311	Parts per billion Carbon	0.0218	0.003	0.070
119	Parts per billion Carbon	0.0232	0.005	0.040	Bromomethane	Harrison	MS	7	24	0.00003	0.000005	0.0001	311	Parts per billion Carbon	0.0258	0.005	0.061
119	Parts per billion Carbon	0.1036	0.060	0.150	Carbon tetrachloride	Harrison	MS	7	24	0.0001	0.00003	0.0002	311	Parts per billion Carbon	0.0940	0.026	0.200
119	Parts per billion Carbon	0.0539	0.015	0.180	Chlorobenzene	Harrison	MS	7	24	0.00001	0.000002	0.0001	311	Parts per billion Carbon	0.0718	0.010	0.330
119	Parts per billion Carbon	0.0459	0.008	0.200	Chloroethane	Harrison	MS	7	24	0.00003	0.000002	0.0003	311	Parts per billion Carbon	0.0538	0.004	0.580
119	Parts per billion Carbon	0.0327	0.002	0.100	Chloroform	Harrison	MS	7	24	0.00003	0.000002	0.0001	311	Parts per billion Carbon	0.0271	0.002	0.132
119	Parts per billion Carbon	0.7766	0.410	1.640	Chloromethane	Harrison	MS	7	24	0.001	0.00005	0.003	311	Parts per billion Carbon	0.7360	0.050	2.640
119	Parts per billion Carbon	0.0100	0.010	0.019	Bromochloromethane	Harrison	MS	7	24				311	Parts per billion Carbon	0.0240	0.003	0.075
239	Parts per billion Carbon	0.3275	0.080	1.840	Ethylbenzene	Harrison	MS	7	24	0.0001	0.00001	0.001	520	Parts per billion Carbon	0.9083	0.050	10.960
119	Parts per billion Carbon	0.5589	0.020	0.660	Hexachlorobutadiene	Harrison	MS	7	24	0.0001	0.000003	0.0002	311	Parts per billion Carbon	0.2868	0.013	0.660
239	Parts per billion Carbon	1.0147	0.200	7.440	m/p Xylene	Harrison	MS	7	24	0.0003	0.00001	0.005	520	Parts per billion Carbon	2.4868	0.050	39.840
119	Parts per billion Carbon	0.6807	0.060	12.480	Methyl ethyl ketone	Harrison	MS	7	24	0.0004	0.000004	0.006	311	Parts per billion Carbon	1.5615	0.015	25.120
119	Parts per billion Carbon	0.1599	0.021	0.780	Methyl isobutyl ketone	Harrison	MS	7	24	0.00004	0.000003	0.00032	311	Parts per billion Carbon	0.2176	0.021	1.920
119	Parts per billion Carbon	0.1269	0.005	0.150	Methyl tert-butyl ether	Harrison	MS	7	24	0.0002	0.000001	0.005	311	Parts per billion Carbon	0.8760	0.005	23.500
119	Parts per billion Carbon	0.0711	0.009	2.240	Dichloromethane	Harrison	MS	7	24	0.0001	0.00001	0.01	311	Parts per billion Carbon	0.1215	0.008	5.500
119	Nanograms/cubic meter (25 C	25.6101	2.930	78.300	Naphthalene (TSP) STP	Harrison	MS	7	24	0.00001	0.000001	0.0001	142	Nanograms/cubic meter (25 C	58.1457	5.560	297.000
239	Parts per billion Carbon	0.7643	0.170	3.840	Propylene	Harrison	MS	7	24	0.0004	0.00002	0.004	520	Parts per billion Carbon	1.3326	0.050	10.800
239	Parts per billion Carbon	2.1974	0.080	24.240	Styrene	Harrison	MS	7	24	0.0001	0.000005	0.003	520	Parts per billion Carbon	0.5993	0.040	27.360
119	Parts per billion Carbon	0.0219	0.010	0.180	Tetrachloroethylene	Harrison	MS	7	24	0.00004	0.000003	0.002	311	Parts per billion Carbon	0.0728	0.006	4.340
239	Parts per billion Carbon	1.3975	0.280	12.670	Toluene	Harrison	MS	7	24	0.001	0.0001	0.01	520	Parts per billion Carbon	5.5274	0.546	56.140
119	Parts per billion Carbon	0.0358	0.010	0.100	Trichloroethylene	Harrison	MS	7	24	0.00001	0.000002	0.0001	311	Parts per billion Carbon	0.0286	0.004	0.160
119	Parts per billion Carbon	0.0352	0.008	0.040	Vinyl chloride	Harrison	MS	7	24	0.00002	0.000002	0.0001	311	Parts per billion Carbon	0.0344	0.005	0.110

Comparison Table in ppm

Comparison Table in ppm

Historical Monitoring Summaries

Jackson County Louisiana (Concentrations are in ppm)

POLLUTANT	COUNTY	STATE	Sample Duration (h)	Sample Duration (h)	Average	Minimum	Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT	COUNTY	STATE	Sample Duration (h)
Methyl chloroform	Jackson	MS	7	24	0.00003	0.00001	0.0001	214	Parts per billion Ca	0.0550	0.020	0.200	Methyl chloroform	Jefferso	LA	7
1,1,2,2-Tetrachloroethan	Jackson	MS	7	24	0.00002	0.000001	0.00005	214	Parts per billion Ca	0.0385	0.002	0.090	1,1,2,2-Tetrachloroethan	Jefferso	LA	7
1,1,2-Trichloroethane	Jackson	MS	7	24	0.00002	0.000003	0.00004	214	Parts per billion Ca	0.0351	0.006	0.080	1,1,2-Trichloroethane	Jefferso	LA	7
1,1-Dichloroethane	Jackson	MS	7	24	0.00001	0.000003	0.00002	214	Parts per billion Ca	0.0270	0.006	0.050	1,1-Dichloroethane	Jefferso	LA	7
1,1-Dichloroethylene	Jackson	MS	7	24	0.0001	0.00001	0.001	214	Parts per billion Ca	0.2385	0.010	1.000	1,1-Dichloroethylene	Jefferso	LA	7
1,2,4-Trichlorobenzene	Jackson	MS	7	24	0.0001	0.000001	0.0002	214	Parts per billion Ca	0.3437	0.008	1.140	1,2,4-Trichlorobenzene	Jefferso	LA	7
Ethylene dibromide	Jackson	MS	7	24	0.00002	0.00001	0.00005	214	Parts per billion Ca	0.0437	0.018	0.100	Ethylene dibromide	Jefferso	LA	7
1,2-Dichlorobenzene	Jackson	MS	7	24	0.00002	0.000002	0.0001	214	Parts per billion Ca	0.1426	0.010	0.360	1,2-Dichlorobenzene	Jefferso	LA	7
Ethylene dichloride	Jackson	MS	7	24	0.00005	0.00001	0.002	214	Parts per billion Ca	0.0936	0.015	3.300	Ethylene dichloride	Jefferso	LA	7
1,2-Dichloropropane	Jackson	MS	7	24	0.00002	0.00001	0.00004	214	Parts per billion Ca	0.0612	0.042	0.105	1,2-Dichloropropane	Jefferso	LA	7
1,3-Butadiene	Jackson	MS	7	24	0.0001	0.000003	0.01	234	Parts per billion Ca	0.4435	0.012	25.000	1,3-Butadiene	Jefferso	LA	7
1,4-Dichlorobenzene	Jackson	MS	7	24	0.00003	0.000002	0.0001	214	Parts per billion Ca	0.1691	0.010	0.600	1,4-Dichlorobenzene	Jefferso	LA	7
Benzene	Jackson	MS	7	24	0.0004	0.0001	0.002	234	Parts per billion Ca	2.5231	0.450	9.180	Benzene	Jefferso	LA	7
Benzyl chloride	Jackson	MS	7	24	0.00002	0.000001	0.0001	214	Parts per billion Ca	0.1665	0.007	0.665	Benzyl chloride	Jefferso	LA	7
Bromodichloromethane	Jackson	MS	7	24	0.00002	0.0000004	0.00005	214	Parts per billion Ca	0.0166	0.001	0.050	Bromodichloromethane	Jefferso	LA	7
Bromoform	Jackson	MS	7	24	0.00003	0.00001	0.0001	214	Parts per billion Ca	0.0296	0.009	0.070	Bromoform	Jefferso	LA	7
Bromomethane	Jackson	MS	7	24	0.00003	0.000005	0.00005	214	Parts per billion Ca	0.0314	0.005	0.050	Bromomethane	Jefferso	LA	7
Carbon tetrachloride	Jackson	MS	7	24	0.0001	0.00003	0.0002	214	Parts per billion Ca	0.0866	0.030	0.200	Carbon tetrachloride	Jefferso	LA	7
Chlorobenzene	Jackson	MS	7	24	0.00002	0.000002	0.0001	214	Parts per billion Ca	0.0940	0.010	0.360	Chlorobenzene	Jefferso	LA	7
Chloroethane	Jackson	MS	7	24	0.00003	0.000004	0.0001	214	Parts per billion Ca	0.0623	0.008	0.100	Chloroethane	Jefferso	LA	7
Chloroform	Jackson	MS	7	24	0.00003	0.000002	0.0004	214	Parts per billion Ca	0.0305	0.002	0.390	Chloroform	Jefferso	LA	7
Chloromethane	Jackson	MS	7	24	0.001	0.0004	0.002	214	Parts per billion Ca	0.7237	0.360	1.800	Chloromethane	Jefferso	LA	7
Bromochloromethane	Jackson	MS	7	24				214	Parts per billion Ca	0.0331	0.010	0.075	Bromochloromethane	Jefferso	LA	7
Ethylbenzene	Jackson	MS	7	24	0.0003	0.00001	0.01	234	Parts per billion Ca	2.1992	0.050	47.200	Ethylbenzene	Jefferso	LA	7
Hexachlorobutadiene	Jackson	MS	7	24	0.0001	0.000003	0.0002	214	Parts per billion Ca	0.3913	0.013	0.660	Hexachlorobutadiene	Jefferso	LA	7
m/p Xylene	Jackson	MS	7	24	0.001	0.00005	0.02	234	Parts per billion Ca	7.1138	0.400	179.700	m/p Xylene	Jefferso	LA	7
Methyl ethyl ketone	Jackson	MS	7	24	0.0005	0.000004	0.01	214	Parts per billion Ca	2.0073	0.015	32.760	Methyl ethyl ketone	Jefferso	LA	7
Methyl isobutyl ketone	Jackson	MS	7	24	0.00004	0.000003	0.0004	214	Parts per billion Ca	0.2204	0.021	2.520	Methyl isobutyl ketone	Jefferso	LA	7
Methyl tert-butyl ether	Jackson	MS	7	24	0.00003	0.000001	0.0002	214	Parts per billion Ca	0.1516	0.005	0.850	Methyl tert-butyl ether	Jefferso	LA	7
Dichloromethane	Jackson	MS	7	24	0.0001	0.00001	0.005	214	Parts per billion Ca	0.1177	0.009	4.500	Dichloromethane	Jefferso	LA	7
													Naphthalene (TSP) STP	Jefferso	LA	7
Propylene	Jackson	MS	7	24	0.001	0.00003	0.004	234	Parts per billion Ca	1.9889	0.105	11.790	Propylene	Jefferso	LA	7
Styrene	Jackson	MS	7	24	0.0001	0.000005	0.001	234	Parts per billion Ca	0.5128	0.040	6.400	Styrene	Jefferso	LA	7
Tetrachloroethylene	Jackson	MS	7	24	0.00003	0.00001	0.0004	214	Parts per billion Ca	0.0627	0.011	0.700	Tetrachloroethylene	Jefferso	LA	7
Toluene	Jackson	MS	7	24	0.001	0.0001	0.02	234	Parts per billion Ca	9.4330	0.840	120.300	Toluene	Jefferso	LA	7
Trichloroethylene	Jackson	MS	7	24	0.00002	0.000002	0.0001	214	Parts per billion Ca	0.0355	0.004	0.160	Trichloroethylene	Jefferso	LA	7
Vinyl chloride	Jackson	MS	7	24	0.00002	0.000004	0.00003	214	Parts per billion Ca	0.0423	0.008	0.060	Vinyl chloride	Jefferso	LA	7

Comparison Table in ppm

Comparison Table in ppm

Historical Monitoring Summaries

Jefferson County Louisiana (Concentrations are in ppm)

Sample Duration (h)	Average	Minimum	Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT	COUNTY	STATE	Sample Duration (h)
24	0.0001	0.000001	0.001	357	Parts per billion Carbon	0.2478	0.003	1.469	Methyl chloroform	Orleans	LA	7
24	0.0001	0.00001	0.001	334	Parts per billion Carbon	0.1933	0.013	1.347	1,1,2,2-Tetrachloroeth	Orleans	LA	7
24	0.0001	0.000003	0.0004	122	Parts per billion Carbon	0.1439	0.006	0.753	1,1,2-Trichloroethane	Orleans	LA	7
24	0.0001	0.000003	0.0004	122	Parts per billion Carbon	0.1595	0.006	0.896	1,1-Dichloroethane	Orleans	LA	7
24	0.00001	0.00001	0.00002	99	Parts per billion Carbon	0.0286	0.014	0.040				
24	0.0001	0.00001	0.001	334	Parts per billion Carbon	0.7107	0.045	4.485	1,2,4-Trichlorobenzene	Orleans	LA	7
24	0.00001	0.00001	0.00002	99	Parts per billion Carbon	0.0248	0.018	0.036				
24	0.0001	0.000002	0.001	357	Parts per billion Carbon	0.7987	0.015	5.037	1,2-Dichlorobenzene	Orleans	LA	7
24	0.0001	0.00001	0.001	122	Parts per billion Carbon	0.2037	0.015	2.460	Ethylene dichloride	Orleans	LA	7
24	0.0001	0.00001	0.001	334	Parts per billion Carbon	0.3698	0.045	2.602	1,2-Dichloropropane	Orleans	LA	7
24	0.00004	0.000003	0.0002	199	Parts per billion Carbon	0.1726	0.012	0.900				
24	0.0002	0.000003	0.009	357	Parts per billion Carbon	1.1453	0.018	56.700	1,4-Dichlorobenzene	Orleans	LA	7
24	0.0004	0.0001	0.003	457	Parts per billion Carbon	2.2360	0.450	19.897	Benzene	Orleans	LA	7
24	0.0002	0.000003	0.001	334	Parts per billion Carbon	1.1336	0.018	8.918	Benzyl chloride	Orleans	LA	7
24	0.00001	0.000003	0.00002	99	Parts per billion Carbon	0.0099	0.004	0.015				
24	0.0001	0.00001	0.0004	334	Parts per billion Carbon	0.0656	0.009	0.445	Bromoform	Orleans	LA	7
24	0.00002	0.000005	0.0001	99	Parts per billion Carbon	0.0208	0.005	0.070				
24	0.0001	0.0001	0.0006	334	Parts per billion Carbon	0.1210	0.060	0.639	Carbon tetrachloride	Orleans	LA	7
24	0.0001	0.000003	0.001	357	Parts per billion Carbon	0.8800	0.015	5.692	Chlorobenzene	Orleans	LA	7
24	0.00002	0.000004	0.0002	99	Parts per billion Carbon	0.0418	0.008	0.300				
24	0.00002	0.000002	0.0001	99	Parts per billion Carbon	0.0195	0.002	0.120				
24	0.001	0.0004	0.001	99	Parts per billion Carbon	0.6768	0.400	0.980				
24				99	Parts per billion Carbon	0.0099	0.010	0.019				
24	0.0002	0.00001	0.001	457	Parts per billion Carbon	1.2467	0.080	7.374	Ethylbenzene	Orleans	LA	7
24	0.0001	0.00001	0.0002	99	Parts per billion Carbon	0.3785	0.026	0.660				
24	0.0003	0.00003	0.003	222	Parts per billion Carbon	2.2698	0.200	20.806	m/p Xylene	Orleans	LA	7
24	0.0003	0.00001	0.002	99	Parts per billion Carbon	1.2022	0.060	6.960				
24	0.0002	0.000003	0.001	334	Parts per billion Carbon	1.0705	0.021	7.539	Methyl isobutyl ketone	Orleans	LA	7
24	0.00002	0.000001	0.0002	99	Parts per billion Carbon	0.1094	0.005	1.050				
24	0.001	0.00004	0.1	99	Parts per billion Carbon	1.2062	0.040	59.000				
24	0.001	0.000002	0.004	393	Nanograms/cubic meter (25 C	3700.1426	10.750	21600.000	Naphthalene (TSP) STP	Orleans	LA	7
24	0.0005	0.0001	0.002	199	Parts per billion Carbon	1.4438	0.240	6.870				
24	0.0002	0.000005	0.002	457	Parts per billion Carbon	1.9163	0.040	16.611	Styrene	Orleans	LA	7
24	0.0001	0.00001	0.001	357	Parts per billion Carbon	0.2033	0.011	1.695	Tetrachloroethylene	Orleans	LA	7
24	0.001	0.0001	0.01	457	Parts per billion Carbon	5.5679	0.490	56.993	Toluene	Orleans	LA	7
24	0.0001	0.00001	0.001	357	Parts per billion Carbon	0.2377	0.010	1.382	Trichloroethylene	Orleans	LA	7
24	0.00001	0.000004	0.00002	99	Parts per billion Carbon	0.0269	0.008	0.040				

Historical Monitoring Summaries

Orleans County Louisiana (Concentrations are in ppm)

Sample Duration (h)	Average	Minimum	Maximum
24	0.0001	0.0001	0.001
24	0.0001	0.0001	0.001
24	0.0004	0.0003	0.0004
24	0.0004	0.0004	0.0004
24	0.0001	0.0001	0.001
24	0.0002	0.0001	0.001
24	0.0004	0.0003	0.0004
24	0.0002	0.0001	0.001
24	0.0002	0.0001	0.001
24	0.0003	0.0001	0.003
24	0.0002	0.0001	0.002
24	0.0001	0.00004	0.001
24	0.0001	0.0001	0.001
24	0.0002	0.0001	0.001
24	0.0002	0.0001	0.001
24	0.002	0.001	0.004
24	0.0002	0.0001	0.002
24	0.001	0.0001	0.01
24	0.0004	0.0002	0.003
24	0.0001	0.0001	0.001
24	0.001	0.0001	0.01
24	0.0001	0.0001	0.001

Comparison Table in ppm

Comparison Table in ppm

Historical Monitoring Summaries

Plaquemines County Louisiana (Concentrations are in ppm)

Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT	COUNTY	STATE	Sample Duration (h)	Sample Duration (h)	Average	Minimum	Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE
499	Parts per billion Carbon	0.2937	0.132	1.942	Methyl chloroform	Plaquemines	LA	7	24	0.0001	0.0001	0.0003	18	Parts per billion Carbon	0.2788	0.216	0.515
488	Parts per billion Carbon	0.2569	0.116	1.791	1,1,2,2-Tetrachloroeth	Plaquemines	LA	7	24	0.0001	0.0001	0.0002	18	Parts per billion Carbon	0.2518	0.191	0.453
12	Parts per billion Carbon	0.7123	0.595	0.753													
12	Parts per billion Carbon	0.7953	0.706	0.896													
488	Parts per billion Carbon	0.8864	0.408	5.939	1,2,4-Trichlorobenzene	Plaquemines	LA	7	24	0.0001	0.0001	0.0003	18	Parts per billion Carbon	0.8597	0.675	1.681
500	Parts per billion Carbon	0.9989	0.454	6.633	1,2-Dichlorobenzene	Plaquemines	LA	7	24	0.0002	0.0001	0.0003	18	Parts per billion Carbon	0.9375	0.748	1.840
12	Parts per billion Carbon	0.8289	0.677	0.857													
488	Parts per billion Carbon	0.4951	0.227	3.439	1,2-Dichloropropane	Plaquemines	LA	7	24	0.0002	0.0001	0.0003	18	Parts per billion Carbon	0.4826	0.370	0.869
500	Parts per billion Carbon	0.9604	0.429	6.433	1,4-Dichlorobenzene	Plaquemines	LA	7	24	0.0001	0.0001	0.0003	18	Parts per billion Carbon	0.8924	0.703	1.735
500	Parts per billion Carbon	1.9880	0.780	20.648	Benzene	Plaquemines	LA	7	24	0.0003	0.0002	0.001	18	Parts per billion Carbon	1.7790	1.211	6.457
488	Parts per billion Carbon	1.5349	0.595	11.823	Benzyl chloride	Plaquemines	LA	7	24	0.0002	0.0001	0.0003	18	Parts per billion Carbon	1.2413	0.980	2.297
488	Parts per billion Carbon	0.0873	0.039	0.590	Bromoform	Plaquemines	LA	7	24	0.0001	0.0001	0.0002	18	Parts per billion Carbon	0.0836	0.065	0.172
488	Parts per billion Carbon	0.1229	0.065	0.850	Carbon tetrachloride	Plaquemines	LA	7	24	0.0001	0.0001	0.0002	18	Parts per billion Carbon	0.1202	0.094	0.211
500	Parts per billion Carbon	1.1264	0.521	7.555	Chlorobenzene	Plaquemines	LA	7	24	0.0002	0.0001	0.0003	18	Parts per billion Carbon	1.0934	0.853	1.993
500	Parts per billion Carbon	1.5056	0.663	9.759	Ethylbenzene	Plaquemines	LA	7	24	0.0002	0.0001	0.0003	18	Parts per billion Carbon	1.3963	1.086	2.513
12	Parts per billion Carbon	12.4562	4.622	34.248													
488	Parts per billion Carbon	1.4150	0.659	9.954	Methyl isobutyl ketone	Plaquemines	LA	7	24	0.0002	0.0002	0.0004	18	Parts per billion Carbon	1.3260	1.083	2.371
691	Nanograms/cubic meter (25 C	4084.1770	392.000	28650.000	Naphthalene (TSP) STP	Plaquemines	LA	7	24	0.001	0.0003	0.002	35	Nanograms/cubic meter (25 C	4458.7143	1560.000	8850.000
500	Parts per billion Carbon	3.0456	1.530	21.961	Styrene	Plaquemines	LA	7	24	0.0003	0.0003	0.001	18	Parts per billion Carbon	2.7868	2.290	4.495
500	Parts per billion Carbon	0.2498	0.103	2.918	Tetrachloroethylene	Plaquemines	LA	7	24	0.0001	0.0001	0.0002	18	Parts per billion Carbon	0.2162	0.169	0.402
500	Parts per billion Carbon	3.7451	0.805	53.465	Toluene	Plaquemines	LA	7	24	0.0005	0.0002	0.002	18	Parts per billion Carbon	3.2281	1.253	13.812
500	Parts per billion Carbon	0.2931	0.128	2.306	Trichloroethylene	Plaquemines	LA	7	24	0.0001	0.0001	0.0002	18	Parts per billion Carbon	0.2693	0.210	0.485

Comparison Table in ppm

Comparison Table in ppm

Historical Monitoring Summaries

St Bernard County Louisiana (Concentrations are in ppm)

POLLUTANT	COUNTY	STATE	Sample Duration (h)	Sample Duration (h)	Average	Minimum	Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT	COUNTY	STATE	Sample Duration (h)
Methyl chloroform	St. Bernar	LA	7	24	0.0001	0.0001	0.001	236	Parts per billion Carbon	0.2869	0.229	1.689	Methyl chloroform	St. Charle	LA	7
1,1,2,2-Tetrachloroeth	St. Bernar	LA	7	24	0.0001	0.0001	0.001	232	Parts per billion Carbon	0.2540	0.199	1.543	1,1,2,2-Tetrachloroeth	St. Charle	LA	7
1,1,2-Trichloroethane	St. Bernar	LA	7	24	0.0004	0.0004	0.0004	4	Parts per billion Carbon	0.7258	0.716	0.755				
1,1-Dichloroethane	St. Bernar	LA	7	24	0.0004	0.0004	0.0004	4	Parts per billion Carbon	0.7933	0.783	0.825				
1,2,4-Trichlorobenzene	St. Bernar	LA	7	24	0.0001	0.0001	0.001	232	Parts per billion Carbon	0.8704	0.719	5.171	1,2,4-Trichlorobenzene	St. Charle	LA	7
1,2-Dichlorobenzene	St. Bernar	LA	7	24	0.0002	0.0001	0.001	236	Parts per billion Carbon	0.9799	0.778	5.785	1,2-Dichlorobenzene	St. Charle	LA	7
Ethylene dichloride	St. Bernar	LA	7	24	0.0004	0.0004	0.0004	4	Parts per billion Carbon	0.8507	0.840	0.884				
1,2-Dichloropropane	St. Bernar	LA	7	24	0.0002	0.0001	0.001	232	Parts per billion Carbon	0.4895	0.389	2.991	1,2-Dichloropropane	St. Charle	LA	7
1,4-Dichlorobenzene	St. Bernar	LA	7	24	0.0002	0.0001	0.001	236	Parts per billion Carbon	0.9444	0.748	5.585	1,4-Dichlorobenzene	St. Charle	LA	7
Benzene	St. Bernar	LA	7	24	0.0003	0.0002	0.002	236	Parts per billion Carbon	1.8005	1.173	13.721	Benzene	St. Charle	LA	7
Benzyl chloride	St. Bernar	LA	7	24	0.0002	0.0001	0.001	232	Parts per billion Carbon	1.5656	1.013	10.269	Benzyl chloride	St. Charle	LA	7
Bromoform	St. Bernar	LA	7	24	0.0001	0.0001	0.001	232	Parts per billion Carbon	0.0862	0.070	0.512	Bromoform	St. Charle	LA	7
Carbon tetrachloride	St. Bernar	LA	7	24	0.0001	0.0001	0.001	232	Parts per billion Carbon	0.1210	0.100	0.735	Carbon tetrachloride	St. Charle	LA	7
Chlorobenzene	St. Bernar	LA	7	24	0.0002	0.0001	0.001	236	Parts per billion Carbon	1.1217	0.899	6.578	Chlorobenzene	St. Charle	LA	7
Ethylbenzene	St. Bernar	LA	7	24	0.0002	0.0001	0.001	236	Parts per billion Carbon	1.4426	1.123	8.479	Ethylbenzene	St. Charle	LA	7
m/p Xylene	St. Bernar	LA	7	24	0.001	0.001	0.002	4	Parts per billion Carbon	7.0060	4.622	14.159				
Methyl isobutyl ketone	St. Bernar	LA	7	24	0.0002	0.0002	0.001	232	Parts per billion Carbon	1.4036	1.127	8.637	Methyl isobutyl ketone	St. Charle	LA	7
Naphthalene (TSP) STP	St. Bernar	LA	7	24	0.001	0.0003	0.005	283	Nanograms/cubic meter (25 C	4056.8357	1485.000	24850.000	Naphthalene (TSP) STP	St. Charle	LA	7
Styrene	St. Bernar	LA	7	24	0.0004	0.0003	0.002	236	Parts per billion Carbon	3.0375	2.130	19.051	Styrene	St. Charle	LA	7
Tetrachloroethylene	St. Bernar	LA	7	24	0.0001	0.0001	0.001	236	Parts per billion Carbon	0.2309	0.180	1.363	Tetrachloroethylene	St. Charle	LA	7
Toluene	St. Bernar	LA	7	24	0.0005	0.0002	0.01	236	Parts per billion Carbon	3.3913	1.188	36.943	Toluene	St. Charle	LA	7
Trichloroethylene	St. Bernar	LA	7	24	0.0001	0.0001	0.001	236	Parts per billion Carbon	0.2742	0.219	1.588	Trichloroethylene	St. Charle	LA	7

Comparison Table in ppm

Comparison Table in ppm

Historical Monitoring Summaries

St Charles County Louisiana (Concentrations are in ppm)

Sample Duration (h)	Average	Minimum	Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT	COUNTY	STATE	Sample Duration (h)
24	0.0002	0.0001	0.0004	13	Parts per billion Carbon	0.3121	0.240	0.832	Methyl chloroform	Duval	FL	5
24	0.0001	0.0001	0.0004	13	Parts per billion Carbon	0.2783	0.210	0.732	1,1,2,2-Tetrachloroethan	Broward	FL	7
									1,1,2-Trichloroethane	Broward	FL	7
									1,1-Dichloroethane	Broward	FL	7
									1,1-Dichloroethylene	Duval	FL	5
24	0.0002	0.0001	0.0005	13	Parts per billion Carbon	0.9782	0.749	2.719	1,2,4-Trichlorobenzene	Broward	FL	7
									Ethylene dibromide	Duval	FL	7
24	0.0002	0.0001	0.0005	13	Parts per billion Carbon	1.0612	0.808	2.977	1,2-Dichlorobenzene	Broward	FL	7
									Ethylene dichloride	Broward	FL	7
24	0.0002	0.0001	0.0005	13	Parts per billion Carbon	0.5345	0.405	1.405	1,2-Dichloropropane	Broward	FL	7
									1,3-Butadiene	Duval	FL	7
24	0.0002	0.0001	0.0005	13	Parts per billion Carbon	1.0109	0.778	2.808	1,4-Dichlorobenzene	Duval	FL	3
24	0.0003	0.0002	0.001	13	Parts per billion Carbon	1.8915	1.201	4.054	Benzene	Duval	FL	7
24	0.0002	0.0002	0.001	13	Parts per billion Carbon	1.3915	1.081	3.716	Benzyl chloride	Broward	FL	7
									Bromodichloromethane	Broward	FL	7
24	0.0001	0.0001	0.0003	13	Parts per billion Carbon	0.0946	0.070	0.278	Bromoform	Broward	FL	7
									Bromomethane	Duval	FL	3
24	0.0001	0.0001	0.0003	13	Parts per billion Carbon	0.1347	0.105	0.342	Carbon tetrachloride	Broward	FL	7
24	0.0002	0.0002	0.001	13	Parts per billion Carbon	1.2187	0.929	3.217	Chlorobenzene	Duval	FL	3
									Chloroethane	Broward	FL	7
									Chloroform	Duval	FL	7
									Chloromethane	Duval	FL	7
									Bromochloromethane	Broward	FL	7
24	0.0002	0.0001	0.001	13	Parts per billion Carbon	1.5561	1.197	4.069	Ethylbenzene	Duval	FL	3
									Hexachlorobutadiene	Broward	FL	7
									m/p Xylene	Duval	FL	3
									Methyl ethyl ketone	Broward	FL	7
24	0.0002	0.0002	0.001	13	Parts per billion Carbon	1.4925	1.156	3.835	Methyl isobutyl ketone	Broward	FL	7
									Methyl tert-butyl ether	Broward	FL	7
									Dichloromethane	Broward	FL	7
24	0.001	0.0003	0.003	26	Nanograms/cubic meter (25 C	4882.0962	1560.000	14300.000				
									Propylene	Duval	FL	7
24	0.0004	0.0003	0.001	13	Parts per billion Carbon	3.1309	2.262	7.264	Styrene	Duval	FL	3
24	0.0001	0.0001	0.0003	13	Parts per billion Carbon	0.2437	0.189	0.650	Tetrachloroethylene	Duval	FL	3
24	0.0004	0.0002	0.001	13	Parts per billion Carbon	2.5669	1.225	5.588	Toluene	Duval	FL	3
24	0.0001	0.0001	0.0004	13	Parts per billion Carbon	0.2997	0.230	0.785	Trichloroethylene	Duval	FL	7
									Vinyl chloride	Broward	FL	7

Historical Monitoring Summaries

Broward County Florida (Concentrations are in ppm)

Sample Duration (h)	Average	Minimum	Maximum
8	0.0003	0.0001	0.0005
24	0.0001	0.000001	0.001
24	0.00004	0	0.0003
24	0.00004	0.000001	0.0001
8	0.001	0.001	0.001
24	0.0002	0.000004	0.002
24	0.0004	0.0001	0.001
24	0.0001	0.000002	0.001
24	0.0001	0.000001	0.0003
24	0.00004	0.000002	0.0001
24	0.001	0.0001	0.01
4	0.0001	0.0001	0.0002
24	0.001	0.00001	0.01
24	0.000004	0.000001	0.00001
24	0.000003	0.000001	0.00001
24	0.000004	0.000001	0.00002
4	0.0002	0.0001	0.003
24	0.00008	0.000002	0.003
4	0.0009	0.0002	0.001
24	0.00005	0.000001	0.0002
24	0.0003	0.0001	0.001
24	0.001	0.00005	0.01
24			
4	0.001	0.0001	0.1
24	0.0002	0.00001	0.003
4	0.003	0.00001	0.2
24	0.0004	0.00001	0.002
24	0.00004	0.000002	0.0002
24	0.000004	0.000002	0.00002
24	0.001	0.00002	0.2
24	0.04	0.02	0.1
4	0.002	0.00001	0.3
4	0.0003	0.0001	0.004
4	0.01	0.0001	0.2
24	0.0003	0.0001	0.0005
24	0.00004	0.000001	0.0002

Comparison Table in ppm

Comparison Table in ppm

Historical Monitoring Summaries

Hillsborough County Florida (Concentrations are in ppm)

Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT	COUNTY	STATE	Sample Duration (h)	Sample Duration (h)	Average	Minimum	Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT
5	Parts per billion Ca	0.6200	0.200	0.900	Methyl chloroform	Hillsboroug	FL	7	24	0.00003	0.00001	0.0004	1048	Parts per billion Carbon	0.0532	0.012	0.700	Methyl chloroform
1745	Parts per billion Ca	0.1289	0.003	1.300	1,1,2,2-Tetrachloroethan	Hillsboroug	FL	7	24	0.00001	0.000003	0.00006	1048	Parts per billion Carbon	0.0292	0.007	0.120	1,1,2,2-Tetrachloroethan
1753	Parts per billion Ca	0.0847	0.000	0.562	1,1,2-Trichloroethane	Hillsboroug	FL	7	24	0.00002	0.000003	0.0002	1048	Parts per billion Carbon	0.0341	0.007	0.408	1,1,2-Trichloroethane
1725	Parts per billion Ca	0.0777	0.002	0.292	1,1-Dichloroethane	Hillsboroug	FL	7	24	0.00001	0.000005	0.0001	1048	Parts per billion Carbon	0.0289	0.010	0.160	1,1-Dichloroethane
3	Parts per billion Ca	1.0000	1.000	1.000	1,1-Dichloroethylene	Hillsboroug	FL	7	24	0.00002	0.00001	0.0001	1048	Parts per billion Carbon	0.0434	0.019	0.180	1,1-Dichloroethylene
1534	Parts per billion Ca	0.9579	0.021	10.500	1,2,4-Trichlorobenzene	Hillsboroug	FL	7	24	0.00002	0.000005	0.0002	1023	Parts per billion Carbon	0.1433	0.030	1.100	1,2,4-Trichlorobenzene
4	Parts per billion Ca	0.7250	0.200	1.900	Ethylene dibromide	Hillsboroug	FL	7	24	0.00001	0.000002	0.0001	1047	Parts per billion Carbon	0.0288	0.005	0.120	Ethylene dibromide
1740	Parts per billion Ca	0.4828	0.012	8.820	1,2-Dichlorobenzene	Hillsboroug	FL	7	24	0.00001	0.000003	0.0001	1048	Parts per billion Carbon	0.0899	0.018	0.360	1,2-Dichlorobenzene
1771	Parts per billion Ca	0.1010	0.002	0.507	Ethylene dichloride	Hillsboroug	FL	7	24	0.00002	0.000005	0.0001	1048	Parts per billion Carbon	0.0431	0.010	0.160	Ethylene dichloride
1775	Parts per billion Ca	0.1068	0.005	0.371	1,2-Dichloropropane	Hillsboroug	FL	7	24	0.00002	0.000005	0.0001	1048	Parts per billion Carbon	0.0524	0.015	0.180	1,2-Dichloropropane
37	Parts per billion Ca	4.9649	0.400	29.100	1,3-Butadiene	Hillsboroug	FL	7	24	0.00004	0.00001	0.0005	1048	Parts per billion Carbon	0.1688	0.040	1.840	1,3-Butadiene
11	Parts per billion Ca	0.8673	0.660	1.080	1,4-Dichlorobenzene	Hillsboroug	FL	7	24	0.00003	0	0.001	1048	Parts per billion Carbon	0.1849	0.000	4.500	1,4-Dichlorobenzene
685	Parts per billion Ca	6.6150	0.050	64.800	Benzene	Hillsboroug	FL	7	24	0.0002	0.00004	0.002	1048	Parts per billion Carbon	1.2849	0.246	13.430	Benzene
85	Parts per billion Ca	0.0278	0.007	0.039														
85	Parts per billion Ca	0.0032	0.001	0.013														
85	Parts per billion Ca	0.0040	0.001	0.020														
106	Parts per billion Ca	0.2226	0.100	2.700	Bromomethane	Hillsboroug	FL	7	24	0.0001	0.00001	0.01	1045	Parts per billion Carbon	0.1149	0.010	9.000	Bromomethane
1732	Parts per billion Ca	0.0834	0.002	3.270	Carbon tetrachloride	Hillsboroug	FL	7	24	0.0001	0.00001	0.0002	1048	Parts per billion Carbon	0.0916	0.010	0.170	Carbon tetrachloride
3	Parts per billion Ca	5.1800	1.020	8.460	Chlorobenzene	Hillsboroug	FL	7	24	0.00001	0.000004	0.0001	1048	Parts per billion Carbon	0.0854	0.024	0.360	Chlorobenzene
1768	Parts per billion Ca	0.0964	0.002	0.460	Chloroethane	Hillsboroug	FL	7	24	0.00002	0.000003	0.0003	1044	Parts per billion Carbon	0.0396	0.005	0.600	Chloroethane
6	Parts per billion Ca	0.3167	0.100	0.600	Chloroform	Hillsboroug	FL	7	24	0.00003	0.000005	0.0003	1048	Parts per billion Carbon	0.0297	0.005	0.264	Chloroform
558	Parts per billion Ca	0.9816	0.050	5.000	Chloromethane	Hillsboroug	FL	7	24	0.001	0.0004	0.002	1047	Parts per billion Carbon	0.6501	0.350	1.680	Chloromethane
85	Parts per billion Ca	0.0028	0.003	0.003														
1802	Parts per billion Ca	9.9762	0.600	801.600	Ethylbenzene	Hillsboroug	FL	7	24	0.0001	0.00001	0.003	1048	Parts per billion Carbon	0.4839	0.064	21.520	Ethylbenzene
1559	Parts per billion Ca	0.6763	0.024	12.760	Hexachlorobutadiene	Hillsboroug	FL	7	24	0.00002	0.000003	0.0001	1016	Parts per billion Carbon	0.0890	0.012	0.240	Hexachlorobutadiene
1901	Parts per billion Ca	25.8668	0.050	1778.900	m/p Xylene	Hillsboroug	FL	7	24	0.0002	0.00001	0.01	1048	Parts per billion Carbon	1.3808	0.120	81.540	m/p Xylene
85	Parts per billion Ca	1.7097	0.056	7.000														
85	Parts per billion Ca	0.2133	0.015	1.070														
85	Parts per billion Ca	0.0224	0.013	0.100														
1431	Parts per billion Ca	1.1077	0.020	160.003	Dichloromethane	Hillsboroug	FL	7	24	0.0001	0.00001	0.01	1048	Parts per billion Carbon	0.1151	0.015	10.710	Dichloromethane
					Naphthalene (TSP) STP	Hillsboroug	FL	7	24	0.00001	0.000002	0.00002	181	Nanograms/cubic meter (25 C	38.4662	7.980	131.000	
21	Parts per billion Ca	124.5905	53.100	193.600														
1880	Parts per billion Ca	17.7960	0.050	2345.600	Styrene	Hillsboroug	FL	7	24	0.0001	0.000005	0.002	1048	Parts per billion Carbon	0.4745	0.040	16.800	Styrene
481	Parts per billion Ca	0.5871	0.200	7.000	Tetrachloroethylene	Hillsboroug	FL	7	24	0.00002	0.000003	0.0002	1046	Parts per billion Carbon	0.0468	0.006	0.400	Tetrachloroethylene
1947	Parts per billion Ca	40.4372	0.700	1298.400	Toluene	Hillsboroug	FL	7	24	0.0004	0.00005	0.01	1048	Parts per billion Carbon	2.8302	0.350	87.100	Toluene
3	Parts per billion Ca	0.5667	0.280	0.960	Trichloroethylene	Hillsboroug	FL	7	24	0.00002	0.00001	0.00014	1043	Parts per billion Carbon	0.0316	0.010	0.280	Trichloroethylene
1739	Parts per billion Ca	0.0895	0.002	0.342	Vinyl chloride	Hillsboroug	FL	7	24	0.00003	0.00001	0.0004	1048	Parts per billion Carbon	0.0501	0.020	0.860	Vinyl chloride

Comparison Table in ppm

Comparison Table in ppm

Historical Monitoring Summaries

Leon County Florida (Concentrations are in ppm)

COUNTY	STATE	Sample Duration (h)	Sample Duration (h)	Average	Minimum	Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT
Leon	FL	7	24	0.0001	0.0001	0.0003	92	Parts per billion Ca	0.1940	0.100	0.500	Methyl chloroform
Leon	FL	7	24	0.0001	0.00005	0.0003	92	Parts per billion Ca	0.1940	0.100	0.500	1,1,2,2-Tetrachloroethan
Leon	FL	7	24	0.0001	0.0001	0.0005	92	Parts per billion Ca	0.2082	0.100	1.000	1,1,2-Trichloroethane
Leon	FL	7	24	0.0001	0.00005	0.0003	92	Parts per billion Ca	0.1940	0.100	0.500	1,1-Dichloroethane
Leon	FL	7	24	0.0001	0.00005	0.0003	92	Parts per billion Ca	0.1940	0.100	0.500	1,1-Dichloroethylene
Leon	FL	7	24	0.0001	0.00005	0.001	92	Parts per billion Ca	0.6484	0.300	5.500	1,2,4-Trichlorobenzene
Leon	FL	7	24	0.0001	0.0000	0.0003	92	Parts per billion Ca	0.1940	0.100	0.500	Ethylene dibromide
Leon	FL	7	24	0.0001	0.0001	0.0003	92	Parts per billion Ca	0.5886	0.300	1.500	1,2-Dichlorobenzene
Leon	FL	7	24	0.0001	0.00005	0.0003	92	Parts per billion Ca	0.1940	0.100	0.500	Ethylene dichloride
Leon	FL	7	24	0.0001	0.00005	0.0003	92	Parts per billion Ca	0.2910	0.150	0.750	1,2-Dichloropropane
Leon	FL	7	24	0.0002	0.0001	0.0002	92	Parts per billion Ca	0.6152	0.200	1.000	1,3-Butadiene
Leon	FL	7	24	0.0001	0.0001	0.0003	92	Parts per billion Ca	0.5821	0.300	1.500	1,4-Dichlorobenzene
Leon	FL	7	24	0.0002	0.0001	0.001	92	Parts per billion Ca	1.2784	0.300	5.000	Benzene
Leon	FL	7	24	0.0001	0.00005	0.0003	92	Parts per billion Ca	0.0970	0.050	0.250	Bromomethane
Leon	FL	7	24	0.0001	0.0001	0.0003	92	Parts per billion Ca	0.0970	0.050	0.250	Carbon tetrachloride
Leon	FL	7	24	0.0001	0.00005	0.0003	92	Parts per billion Ca	0.5821	0.300	1.500	Chlorobenzene
Leon	FL	7	24	0.0001	0.0001	0.001	92	Parts per billion Ca	0.2130	0.100	2.000	Chloroethane
Leon	FL	7	24	0.0001	0.00005	0.0003	92	Parts per billion Ca	0.0981	0.050	0.250	Chloroform
Leon	FL	7	24	0.001	0.00005	0.001	92	Parts per billion Ca	0.5093	0.050	1.400	Chloromethane
Leon	FL	7	24	0.0001	0.00005	0.0003	92	Parts per billion Ca	0.8489	0.400	2.600	Ethylbenzene
Leon	FL	7	24	0.0001	0.0001	0.001	92	Parts per billion Ca	0.4696	0.200	4.800	Hexachlorobutadiene
Leon	FL	7	24	0.0002	0.00005	0.001	92	Parts per billion Ca	1.2776	0.400	5.000	m/p Xylene
Leon	FL	7	24	0.0002	0.0001	0.0009	72	Parts per billion Ca	0.2417	0.050	0.900	Dichloromethane
Leon	FL	7	24	0.0002	0.0001	0.001	92	Parts per billion Ca	1.5576	0.400	6.200	Styrene
Leon	FL	7	24	0.0001	0.00005	0.0003	92	Parts per billion Ca	0.1940	0.100	0.500	Tetrachloroethylene
Leon	FL	7	24	0.001	0.0001	0.01	92	Parts per billion Ca	7.3498	0.875	58.100	Toluene
Leon	FL	7	24	0.0001	0.0001	0.0003	92	Parts per billion Ca	0.1940	0.100	0.500	Trichloroethylene
Leon	FL	7	24	0.0001	0.0001	0.0002	92	Parts per billion Ca	0.1940	0.100	0.500	Vinyl chloride

Historical Monitoring Summaries

Miami County Florida (Concentrations are in ppm)

COUNTY	STATE	Sample Duration (h)	Sample Duration (h)	Average	Minimum
Miami-Dade	FL	7	24	0.0001	0.00003
Miami-Dade	FL	7	24	0.0001	0.00004
Miami-Dade	FL	7	24	0.00005	0.00003
Miami-Dade	FL	7	24	0.00004	0.00003
Miami-Dade	FL	7	24	0.00004	0.00003
Miami-Dade	FL	7	24	0.0002	0.0001
Miami-Dade	FL	7	24	0.00005	0.00003
Miami-Dade	FL	7	24	0.0001	0.00005
Miami-Dade	FL	7	24	0.00005	0.00003
Miami-Dade	FL	7	24	0.00005	0.00002
Miami-Dade	FL	7	24	0.0001	0.00003
Miami-Dade	FL	7	24	0.0001	0.00004
Miami-Dade	FL	7	24	0.0003	0.00003
Miami-Dade	FL	7	24	0.0001	0.00003
Miami-Dade	FL	7	24	0.0001	0.00003
Miami-Dade	FL	7	24	0.0001	0.00003
Miami-Dade	FL	7	24	0.0001	0.00003
Miami-Dade	FL	7	24	0.00005	0.00003
Miami-Dade	FL	7	24	0.00007	0.00002
Miami-Dade	FL	7	24	0.0006	0.0001
Miami-Dade	FL	7	24	0.0001	0.00003
Miami-Dade	FL	7	24	0.0001	0.0001
Miami-Dade	FL	7	24	0.0004	0.0001
Miami-Dade	FL	7	24	0.001	0.00005
Miami-Dade	FL	7	24	0.0002	0.00003
Miami-Dade	FL	7	24	0.0001	0.00003
Miami-Dade	FL	7	24	0.001	0.00003
Miami-Dade	FL	7	24	0.0001	0.00003
Miami-Dade	FL	7	24	0.00005	0.00003

Comparison Table in ppm

Comparison Table in ppm

Historical Monitoring Summaries

Orange County Florida (Concentrations are in ppm)

Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT	COUNTY	STATE	Sample Duration (h)	Sample Duration (h)	Average	Minimum	Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	POLLUTANT
0.001	267	Parts per billion Ca	0.1281	0.052	1.120	Methyl chloroform	Orange	FL	7	24	0.00002	0.00001	0.0001	228	Parts per billion Ca	0.0350	0.012	0.100	Methyl chloroform
0.0001	249	Parts per billion Ca	0.1165	0.078	0.247	1,1,2,2-Tetrachloroethan	Orange	FL	7	24	0.00002	0.000003	0.00003	228	Parts per billion Ca	0.0311	0.007	0.052	1,1,2,2-Tetrachloroethan
0.0003	253	Parts per billion Ca	0.0911	0.058	0.579	1,1,2-Trichloroethane	Orange	FL	7	24	0.00002	0.000003	0.0001	228	Parts per billion Ca	0.0321	0.007	0.100	1,1,2-Trichloroethane
0.0001	268	Parts per billion Ca	0.0794	0.053	0.167	1,1-Dichloroethane	Orange	FL	7	24	0.00001	0.00001	0.00002	228	Parts per billion Ca	0.0195	0.012	0.040	1,1-Dichloroethane
0.0001	263	Parts per billion Ca	0.0770	0.052	0.164	1,1-Dichloroethylene	Orange	FL	7	24	0.00002	0.00001	0.00002	228	Parts per billion Ca	0.0397	0.020	0.050	1,1-Dichloroethylene
0.001	231	Parts per billion Ca	1.1292	0.672	5.460	1,2,4-Trichlorobenzene	Orange	FL	7	24	0.00003	0.000005	0.0001	221	Parts per billion Ca	0.1691	0.030	0.588	1,2,4-Trichlorobenzene
0.0001	255	Parts per billion Ca	0.0908	0.060	0.191	Ethylene dibromide	Orange	FL	7	24	0.00001	0.000002	0.00002	228	Parts per billion Ca	0.0271	0.005	0.050	Ethylene dibromide
0.0005	260	Parts per billion Ca	0.5844	0.274	2.760	1,2-Dichlorobenzene	Orange	FL	7	24	0.00001	0.000003	0.00003	228	Parts per billion Ca	0.0889	0.018	0.198	1,2-Dichlorobenzene
0.0001	263	Parts per billion Ca	0.0918	0.054	0.274	Ethylene dichloride	Orange	FL	7	24	0.00002	0.000005	0.0001	228	Parts per billion Ca	0.0350	0.010	0.160	Ethylene dichloride
0.004	268	Parts per billion Ca	0.1445	0.061	13.110	1,2-Dichloropropane	Orange	FL	7	24	0.00001	0.00001	0.00002	228	Parts per billion Ca	0.0423	0.017	0.072	1,2-Dichloropropane
0.001	243	Parts per billion Ca	0.3181	0.124	3.560	1,3-Butadiene	Orange	FL	7	24	0.00005	0.00001	0.0002	228	Parts per billion Ca	0.1870	0.040	0.720	1,3-Butadiene
0.001	263	Parts per billion Ca	0.7116	0.264	8.356	1,4-Dichlorobenzene	Orange	FL	7	24	0.00003	0.000002	0.0001	228	Parts per billion Ca	0.1796	0.012	0.480	1,4-Dichlorobenzene
0.001	268	Parts per billion Ca	1.9507	0.150	7.778	Benzene	Orange	FL	7	24	0.0002	0.0001	0.001	228	Parts per billion Ca	1.2135	0.336	3.414	Benzene
0.001	267	Parts per billion Ca	0.0540	0.033	0.640	Bromomethane	Orange	FL	7	24	0.00002	0.00001	0.001	228	Parts per billion Ca	0.0247	0.013	0.530	Bromomethane
0.0004	239	Parts per billion Ca	0.0855	0.026	0.400	Carbon tetrachloride	Orange	FL	7	24	0.0001	0.0001	0.0001	228	Parts per billion Ca	0.0880	0.068	0.120	Carbon tetrachloride
0.0002	267	Parts per billion Ca	0.3376	0.181	1.140	Chlorobenzene	Orange	FL	7	24	0.00001	0.000004	0.00002	228	Parts per billion Ca	0.0676	0.024	0.120	Chlorobenzene
0.0002	261	Parts per billion Ca	0.0934	0.053	0.300	Chloroethane	Orange	FL	7	24	0.00002	0.000005	0.00005	228	Parts per billion Ca	0.0417	0.010	0.100	Chloroethane
0.003	268	Parts per billion Ca	0.0727	0.022	2.770	Chloroform	Orange	FL	7	24	0.00003	0.00001	0.001	228	Parts per billion Ca	0.0339	0.010	0.680	Chloroform
0.004	234	Parts per billion Ca	0.6319	0.057	3.650	Chloromethane	Orange	FL	7	24	0.001	0.0005	0.001	228	Parts per billion Ca	0.6614	0.450	1.050	Chloromethane
0.001	267	Parts per billion Ca	1.0978	0.241	7.133	Ethylbenzene	Orange	FL	7	24	0.0001	0.00001	0.0003	228	Parts per billion Ca	0.4689	0.084	2.632	Ethylbenzene
0.001	234	Parts per billion Ca	0.4875	0.284	3.902	Hexachlorobutadiene	Orange	FL	7	24	0.00003	0.000003	0.0001	219	Parts per billion Ca	0.1004	0.012	0.272	Hexachlorobutadiene
0.003	266	Parts per billion Ca	3.1844	0.572	26.909	m/p Xylene	Orange	FL	7	24	0.0002	0.00003	0.001	228	Parts per billion Ca	1.3389	0.240	9.112	m/p Xylene
0.03	248	Parts per billion Ca	0.7200	0.047	30.000	Dichloromethane	Orange	FL	7	24	0.0001	0.00003	0.001	228	Parts per billion Ca	0.1081	0.030	0.989	Dichloromethane
0.01	246	Parts per billion Ca	1.3496	0.241	88.000	Styrene	Orange	FL	7	24	0.00003	0.000005	0.0003	228	Parts per billion Ca	0.2142	0.040	2.160	Styrene
0.001	265	Parts per billion Ca	0.1242	0.064	1.900	Tetrachloroethylene	Orange	FL	7	24	0.00004	0.00001	0.0004	227	Parts per billion Ca	0.0825	0.018	0.840	Tetrachloroethylene
0.004	267	Parts per billion Ca	6.5215	0.186	30.658	Toluene	Orange	FL	7	24	0.0004	0.0001	0.001	228	Parts per billion Ca	2.9974	0.798	10.395	Toluene
0.0003	267	Parts per billion Ca	0.1140	0.052	0.580	Trichloroethylene	Orange	FL	7	24	0.00002	0.00001	0.0001	228	Parts per billion Ca	0.0313	0.010	0.220	Trichloroethylene
0.0003	267	Parts per billion Ca	0.0947	0.062	0.520	Vinyl chloride	Orange	FL	7	24	0.00002	0.00001	0.00003	228	Parts per billion Ca	0.0415	0.022	0.060	Vinyl chloride

Comparison Table in ppm

Comparison Table in ppm

Historical Monitoring Summaries

Palm Beach County Florida (Concentrations are in ppm)

COUNTY	STATE	Sample Duration (h)	Sample Duration (h)	Average	Minimum	Maximum	Total # Observation	UNITS_OF_M	AVGANNUALM	MINVALUE	MAXVALUE	Chemical	Cnty	ST	Sample Duration (h)	Sample Duration (h)	Average	Minimum
Palm Beach	FL	7	24	0.0001	0.0001	0.0002	22	Parts per billion Ca	0.2156	0.136	0.340	Methyl chloroform	Pinella	FL	7	24	0.00003	0.000005
Palm Beach	FL	7	24	0.0001	0.0001	0.0002	22	Parts per billion Ca	0.2783	0.194	0.440	1,1,2,2-Tetrachloroethan	Pinella	FL	7	24	0.00001	0.000003
Palm Beach	FL	7	24	0.0001	0.0001	0.0002	22	Parts per billion Ca	0.2073	0.144	0.328	1,1,2-Trichloroethane	Pinella	FL	7	24	0.00002	0.000003
Palm Beach	FL	7	24	0.0001	0.0001	0.0001	22	Parts per billion Ca	0.1886	0.132	0.298	1,1-Dichloroethane	Pinella	FL	7	24	0.00001	0.000005
Palm Beach	FL	7	24	0.0001	0.0001	0.0001	22	Parts per billion Ca	0.1858	0.136	0.292	1,1-Dichloroethylene	Pinella	FL	6	12	0.00003	0.00002
Palm Beach	FL	7	24	0.0004	0.0003	0.001	22	Parts per billion Ca	2.4316	1.680	3.804	1,2,4-Trichlorobenzene	Pinella	FL	7	24	0.00002	0.000005
Palm Beach	FL	7	24	0.0001	0.0001	0.0002	22	Parts per billion Ca	0.2160	0.148	0.342	Ethylene dibromide	Pinella	FL	7	24	0.00001	0.000002
Palm Beach	FL	7	24	0.0002	0.0002	0.0004	22	Parts per billion Ca	1.3595	0.954	2.160	1,2-Dichlorobenzene	Pinella	FL	7	24	0.00001	0.000003
Palm Beach	FL	7	24	0.0001	0.0001	0.0002	22	Parts per billion Ca	0.1937	0.136	0.306	Ethylene dichloride	Pinella	FL	7	24	0.00002	0.000005
Palm Beach	FL	7	24	0.0001	0.0001	0.0001	22	Parts per billion Ca	0.2183	0.153	0.345	1,2-Dichloropropane	Pinella	FL	7	24	0.00002	0.000005
Palm Beach	FL	7	24	0.0001	0.0001	0.0002	22	Parts per billion Ca	0.4445	0.312	0.704	1,3-Butadiene	Pinella	FL	7	24	0.0001	0.00001
Palm Beach	FL	7	24	0.0002	0.0001	0.0004	22	Parts per billion Ca	1.3094	0.876	2.340	1,4-Dichlorobenzene	Pinella	FL	6	12	0.00004	0.00002
Palm Beach	FL	7	24	0.0003	0.0001	0.001	22	Parts per billion Ca	1.7127	0.660	4.600	Benzene	Pinella	FL	6	12	0.0004	0.0001
Palm Beach	FL	7	24	0.0001	0.0001	0.001	22	Parts per billion Ca	0.1433	0.081	0.500	Bromomethane	Pinella	FL	7	24	0.00004	0.00001
Palm Beach	FL	7	24	0.0001	0.0001	0.0002	21	Parts per billion Ca	0.1071	0.082	0.210	Carbon tetrachloride	Pinella	FL	6	12	0.0001	0.0001
Palm Beach	FL	7	24	0.0001	0.0001	0.0002	22	Parts per billion Ca	0.6485	0.450	1.026	Chlorobenzene	Pinella	FL	6	12	0.00001	0.00001
Palm Beach	FL	7	24	0.0001	0.0001	0.0001	22	Parts per billion Ca	0.1886	0.132	0.298	Chloroethane	Pinella	FL	6	12	0.00003	0.00003
Palm Beach	FL	7	24	0.0001	0.0001	0.0003	22	Parts per billion Ca	0.0903	0.054	0.260	Chloroform	Pinella	FL	7	24	0.00004	0.000005
Palm Beach	FL	7	24	0.0005	0.0001	0.001	16	Parts per billion Ca	0.4539	0.142	1.330	Chloromethane	Pinella	FL	7	24	0.001	0.00001
Palm Beach	FL	7	24	0.0001	0.0001	0.0002	22	Parts per billion Ca	1.0404	0.712	1.760	Ethylbenzene	Pinella	FL	7	24	0.0001	0.00001
Palm Beach	FL	7	24	0.0003	0.0002	0.0004	21	Parts per billion Ca	1.0263	0.712	1.612	Hexachlorobutadiene	Pinella	FL	6	12	0.00002	0.00002
Palm Beach	FL	7	24	0.0004	0.0002	0.001	22	Parts per billion Ca	2.9727	1.688	6.000	m/p Xylene	Pinella	FL	6	12	0.0004	0.0001
Palm Beach	FL	7	24	0.0004	0.0002	0.002	22	Parts per billion Ca	0.4256	0.190	1.990	Dichloromethane	Pinella	FL	6	12	0.0001	0.00004
												Naphthalene (TSP) STP	Pinella	FL	7	24	0.00002	0.000002
Palm Beach	FL	7	24	0.0001	0.0001	0.0003	22	Parts per billion Ca	0.9313	0.600	2.160	Styrene	Pinella	FL	7	24	0.0001	0.000005
Palm Beach	FL	7	24	0.0001	0.0001	0.0003	22	Parts per billion Ca	0.2647	0.160	0.520	Tetrachloroethylene	Pinella	FL	6	12	0.00004	0.00002
Palm Beach	FL	7	24	0.001	0.0002	0.004	22	Parts per billion Ca	6.6659	1.540	25.060	Toluene	Pinella	FL	7	24	0.001	0.00001
Palm Beach	FL	7	24	0.0001	0.0001	0.0001	22	Parts per billion Ca	0.1845	0.130	0.292	Trichloroethylene	Pinella	FL	7	24	0.00002	0.00001
Palm Beach	FL	7	24	0.0001	0.0001	0.0002	22	Parts per billion Ca	0.2226	0.154	0.348	Vinyl chloride	Pinella	FL	6	12	0.00003	0.00003

Comparison Table in ppm

Comparison Table in ppm

Maximum	Total # Observation
0.003	1042
0.0001	1042
0.0001	1042
0.0001	1042
0.0001	119
0.0002	1018
0.00005	1040
0.0001	1042
0.0001	1042
0.003	1042
0.001	1042
0.0003	119
0.002	119
0.01	1040
0.0002	119
0.00005	119
0.0001	119
0.001	1042
0.001	1041
0.001	1042
0.0001	119
0.002	119
0.0005	119
0.0001	111
0.001	1042
0.0003	119
0.02	1042
0.0001	1035
0.0002	119

Comparison Table in ppm