

# Pinellas County Forensic Laboratory

## *Annual Report 2006*



Published April 2007

### *Analytical Services Provided*

*Post Mortem/Medical Examiner Toxicology  
Seized Drug (Controlled Substances) Analysis  
Fire Debris and Volatiles Analysis  
DUI Toxicology  
Sexual Assault Toxicology*

### *Other Services*

*Court Testimony  
Drug Court  
Law Enforcement Training  
Technical Assistance  
Public Education*

### *2006 Case Submissions*

Seized Drugs Controlled Substances	8,051
Fire Debris Arson and Volatiles	88
Law Enforcement Toxicology DUI and Sexual Assaults	816
Medical Examiner Toxicology	1,401
<b>TOTAL 2006 Case Submissions</b>	<b>10,356</b>

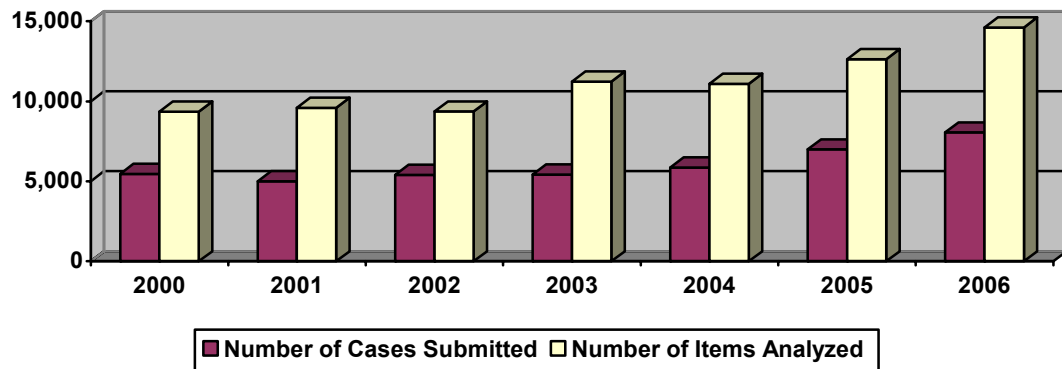
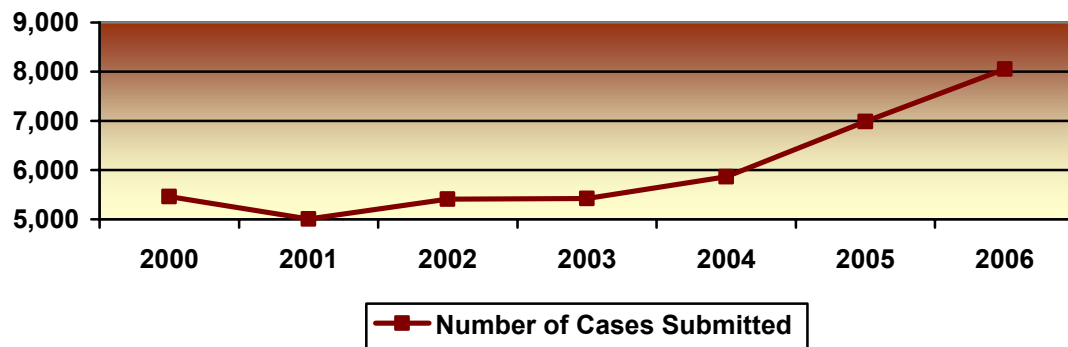
### *Average Turnaround Time*

Seized Drugs	7 days
Fire Debris	13 days
Law Enforcement Toxicology	27 days
Medical Examiner Toxicology	25 days
<b>All Cases</b>	<b>11 days</b>

### *Seized Drug Analyses (2000-2006)*

	2000	2001	2002	2003	2004	2005	2006
Number of Cases Submitted	5,460	5,005	5,408	5,421	5,863	6,990	8,051
Number of Items Analyzed	9,361	9,602	9,368	11,228	11,097	12,636	14,605
Percent Change from Previous Year	-9%	-9%	8%	<1%	8%	19%	15%

#### Drug Cases Completed

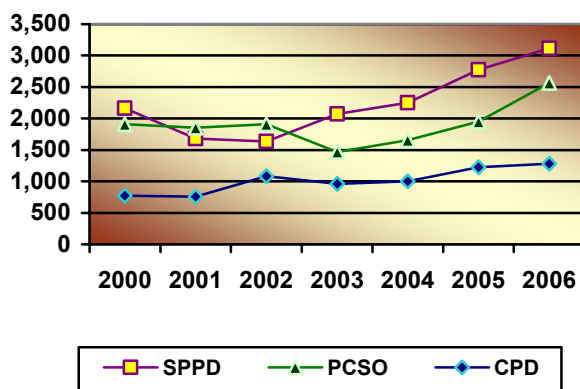


*Projected 2007: 8,000 Cases with 14,000 Analyses*

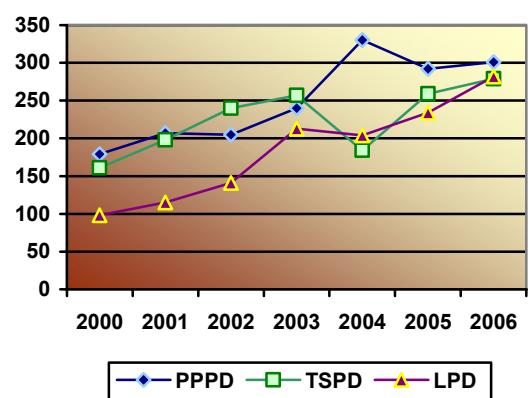
## **Seized Drug Case Submissions by Agency (2000-2006)**

	2000	2001	2002	2003	2004	2005	2006
St. Petersburg Police Department	2,166	1,679	1,635	2,073	2,252	2,775	3,112
Pinellas County Sheriff's Office	1,912	1,856	1,908	1,466	1,656	1,952	2,563
Clearwater Police Department	772	755	1,082	962	1,002	1,226	1,279
Pinellas Park Police Department	179	207	205	240	330	292	301
Tarpon Springs Police Department	161	198	240	257	184	259	279
Largo Police Department	98	115	141	213	204	234	282
Indian Shores Police Department	25	12	24	11	17	55	47
Gulfport Police Department	37	26	29	38	31	46	37
Florida Highway Patrol	28	48	38	37	40	33	32
St. Pete Beach Police Department	28	44	33	41	34	30	30
Treasure Island Police Department	28	47	39	41	34	30	33
Kenneth City Police Department	7	5	12	11	14	18	19
District Six Medical Examiner		1		5	2	6	1
Department of Veteran's Affairs						4	1
Florida Fish and Wildlife				1	1	2	2
Belleair Police Department	2	1	2	1	0	1	4
Belleair Beach Police Department				4	1	1	

**Large Agencies**



**Medium Agencies**



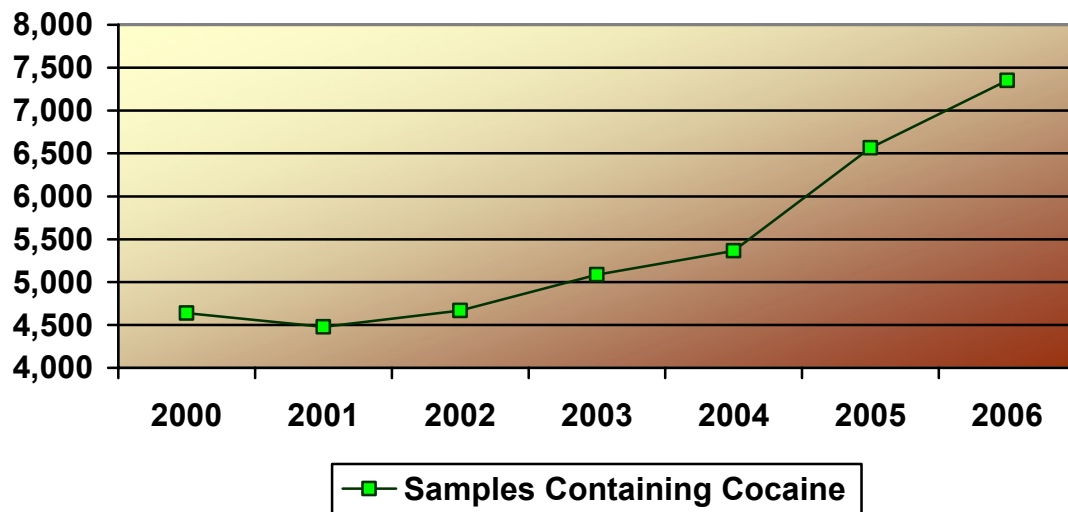
### *Most Frequently Identified Controlled Substances*

Controlled Substance	Samples	Class
Cocaine	7,319	Clandestine Stimulant
Cannabis (Marihuana)	3,579	Hallucinogen
MDMA and XTC Class Drugs	633*	Hallucinogen
Negative	541	
Hydrocodone (Vicodin)	443	Prescription Narcotic
Alprazolam (Xanax)	436	Tranquillizer
Oxycodone (Percocet, Oxycontin)	407	Prescription Narcotic
Heroin	154	Clandestine Narcotic
Methadone	92	Tranquillizer
Methamphetamine	63	Clandestine Stimulant

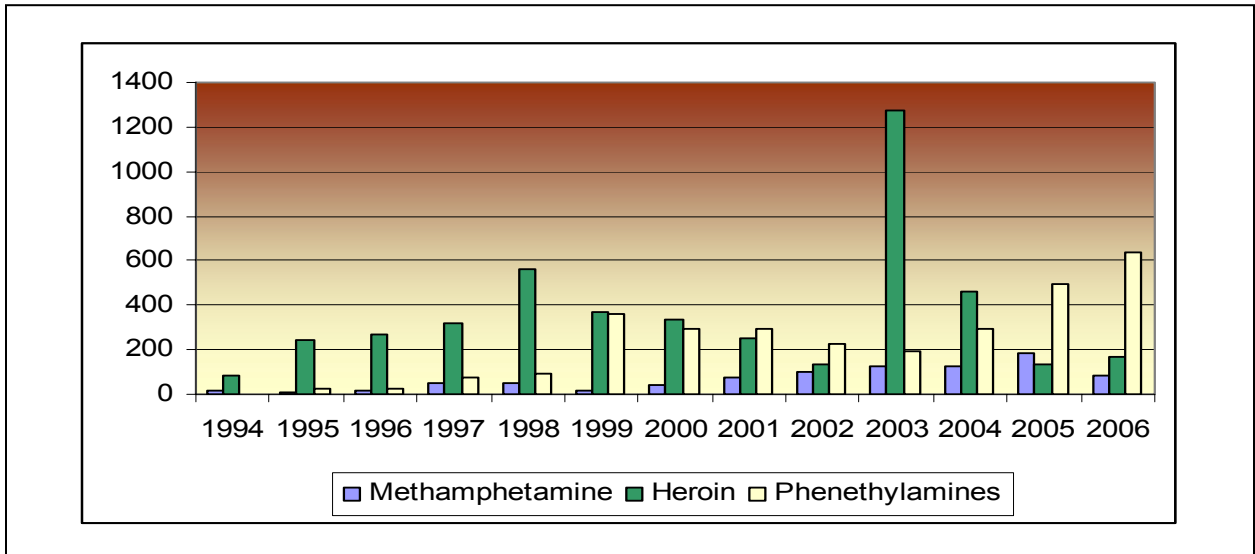
\*436 from one case

### *Trends: Cocaine*

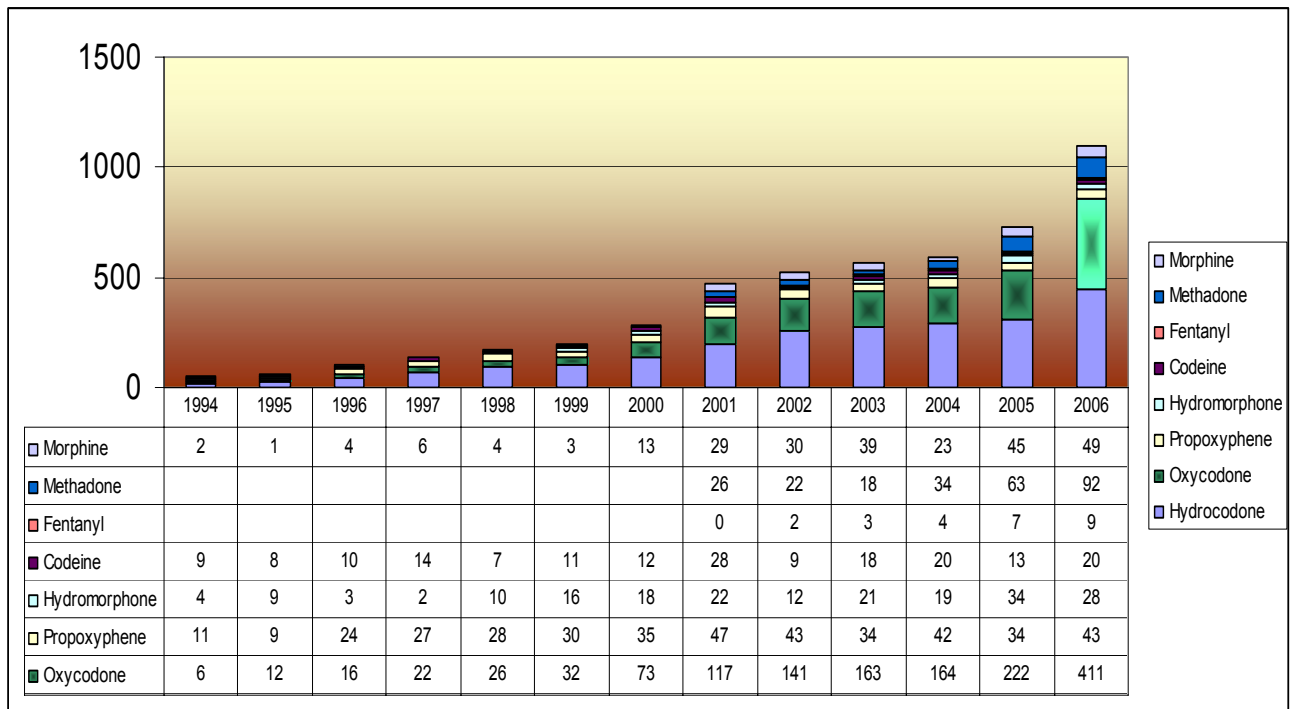
	2000	2001	2002	2003	2004	2005	2006
Samples Containing Cocaine	4,636	4,479	4,668	5,083	5,366	6,563	7,350
Percentage of Total Samples	49.5	46.6	49.8	45.3	48.4	51.9	51.1



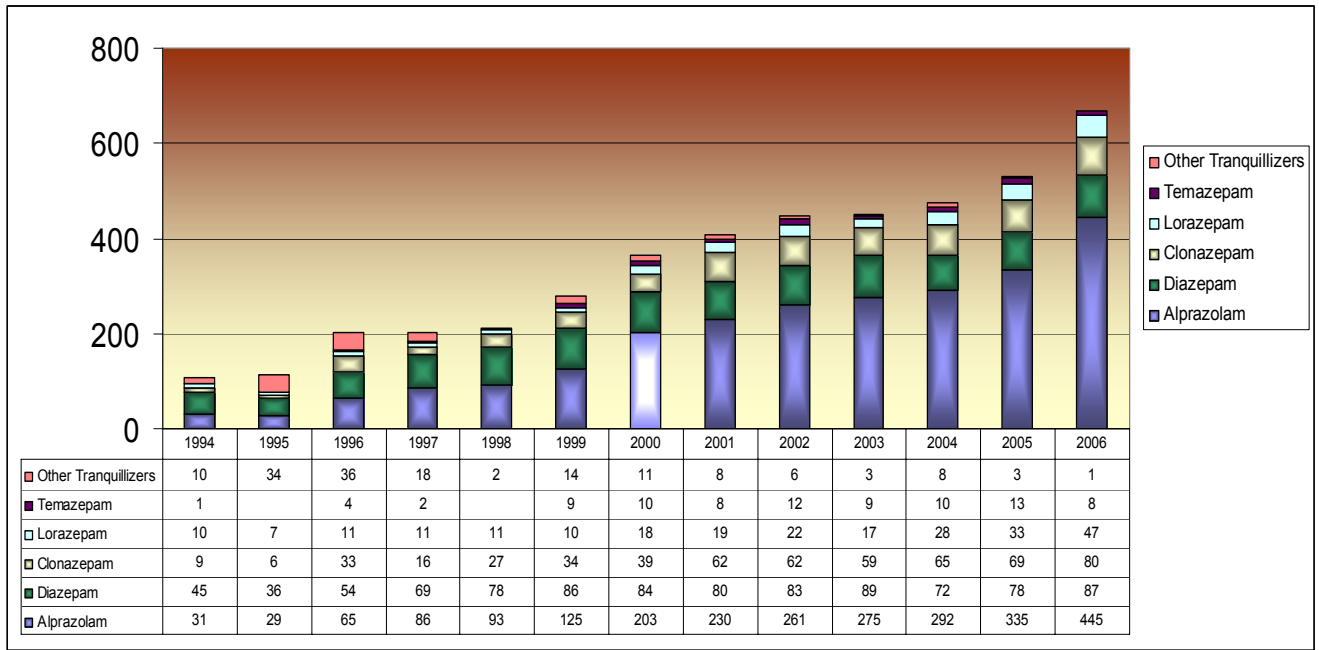
*Trends: Clandestine Preparations*  
*Heroin: Methamphetamine: Phenethylamines (MDMA)*



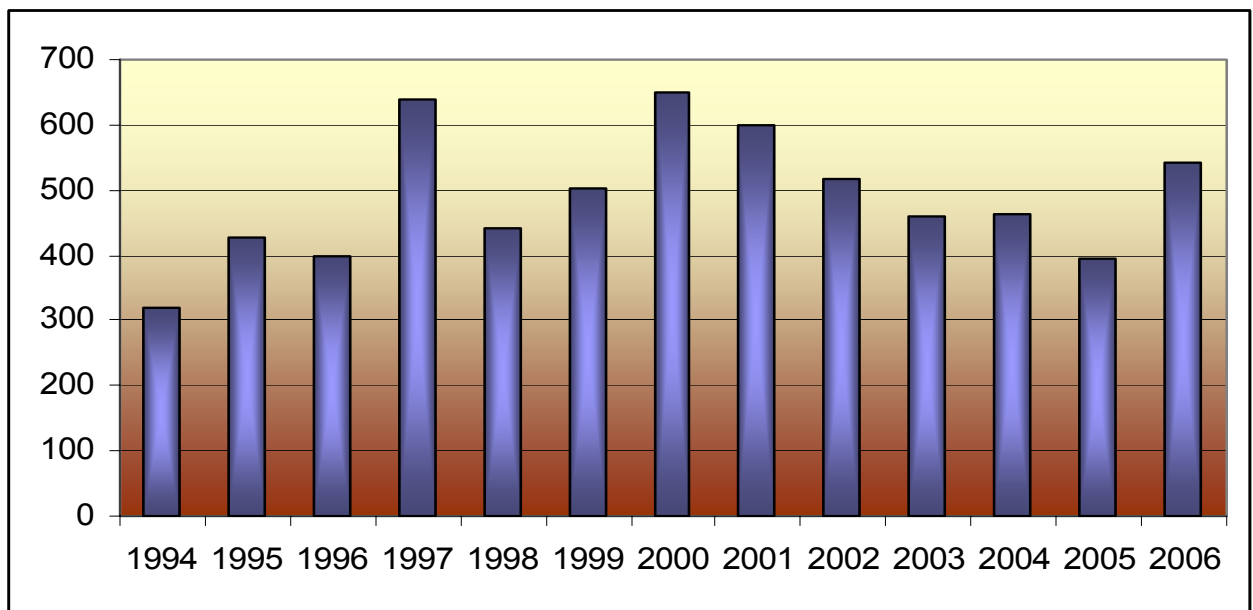
*Trends: Prescription Narcotics*



*Trends: Prescription Tranquillizers*



### *Trends: No Controlled Substances Detected*



## ***Law Enforcement Toxicology***

**DUI/Crash Investigation Case Submissions: 770**  
**Sexual Assault Case Submissions: 41**

### ***Toxicology Submissions by Agency***

	<b>DUI/Crash</b>	<b>Sex Assault</b>
Pinellas County Sheriff's Office	200	2
St. Petersburg Police Department	115	38
Florida Highway Patrol	109	
Pinellas Park Police Department	86	1
Clearwater Police Department	82	
Largo Police Department	81	
Tarpon Springs Police Department	25	
St. Pete Beach Police Department	15	
Indian Shores Police Department	12	
Treasure Island Police Department	4	
Gulfport Police Department	4	
Kenneth City Police Department	4	
Belleair Beach Police Department	1	
Belleair Police Department	1	1

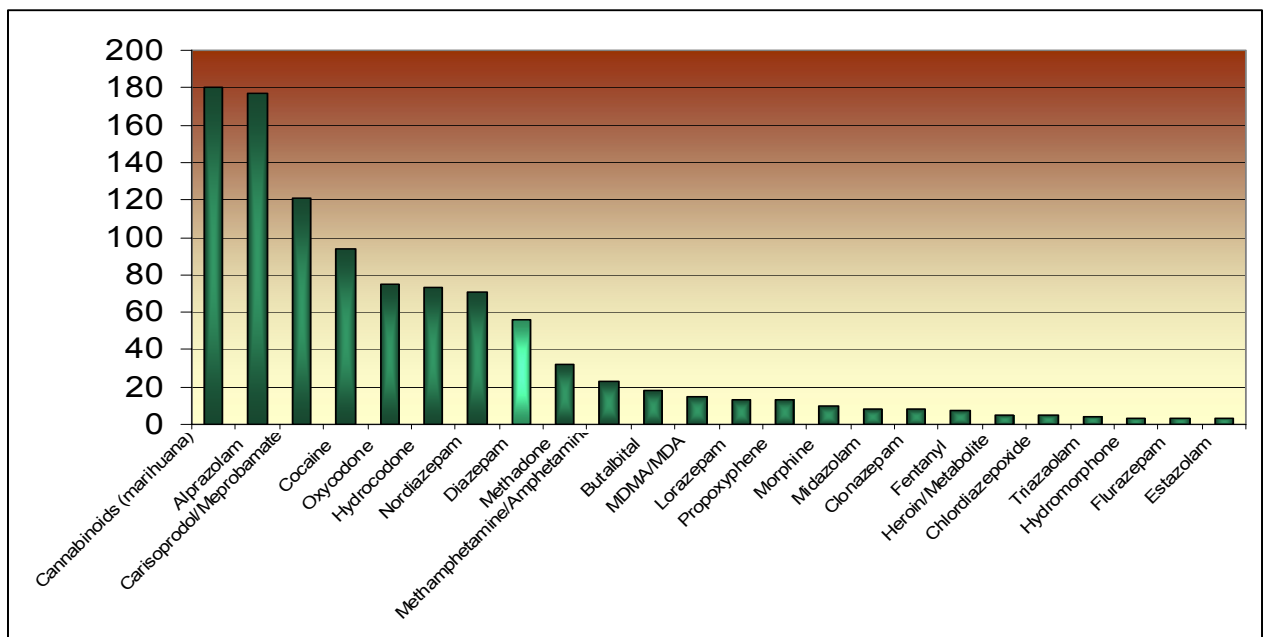
***541 Ethanol Analyses resulted in BAC levels above 0.08g/dL – the legally defined limited for driving (typically 2 analyses are performed per specimen collection).***



**DUI Drug Statistics**  
*Most Frequently Identified Controlled Substances\**

Controlled Substance	Samples	Class
Cannabinoids (marihuana)	180	Clandestine Hallucinogen
Alprazolam	177	Prescription Tranquillizer
Carisoprodol/Meprobamate	121	Prescription Sleep Aid
Cocaine	94	Stimulant
Oxycodone	75	Prescription Narcotic
Hydrocodone	73	Prescription Narcotic
Nordiazepam	71	Prescription Tranquillizer
Diazepam	56	Prescription Tranquillizer
Methadone	32	Prescription Narcotic
Methamphetamine/Amphetamine	23	Stimulant
Butalbital	18	Prescription Depressant
MDMA/MDA	15	Hallucinogen
Lorazepam	13	Prescription Tranquillizer
Propoxyphene	13	Prescription Narcotic
Morphine	10	Prescription Narcotic
Midazolam	8	Prescription Tranquillizer
Clonazepam	8	Prescription Tranquillizer
Fentanyl	7	Prescription Narcotic
Heroin/Metabolite	5	Clandestine Narcotic
Chlordiazepoxide	5	Prescription Tranquillizer
Triazalam	4	Prescription Tranquillizer
Hydromorphone	3	Prescription Narcotic
Flurazepam	3	Prescription Tranquillizer
Estazolam	3	Prescription Tranquillizer

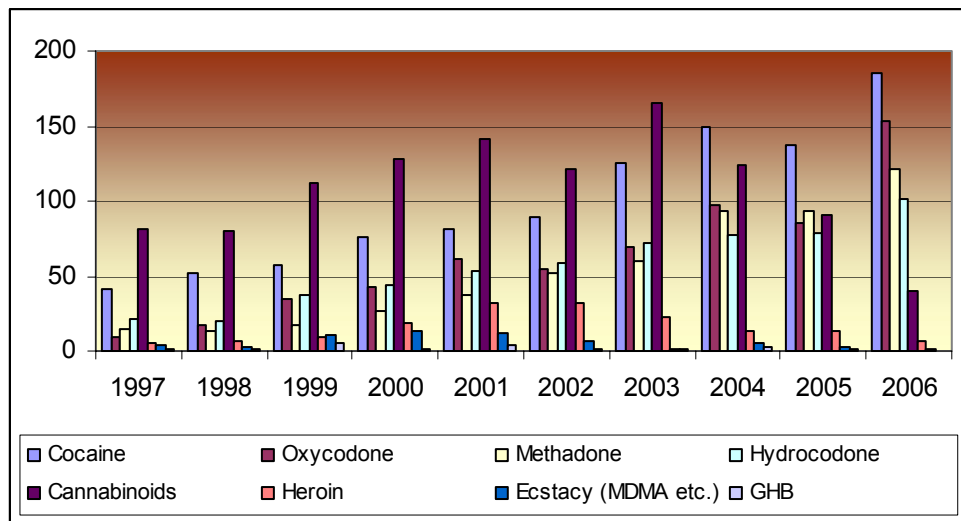
*\*Based on identification of parent drug, metabolite or both in given sample*



*Medical Examiner Toxicology*

**MEO Cases Received for Analysis: 1,144**  
**MEO Cases Received for Inventory and Storage: 257**  
**Total MEO Cases Processed: 1,401**

<b>Medical Examiner Cases Testing Positive for Common Abuse Drugs</b>										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Alcohol	306	329	345	374	343	355	320	353	324	326
Cocaine	41	52	58	76	81	90	125	150	138	185
Oxycodone	10	17	35	43	61	55	69	98	85	153
Methadone	15	14	17	27	37	52	60	94	93	121
Hydrocodone	21	20	38	44	54	59	72	77	79	101
Cannabinoids	82	80	112	128	142	122	165	124	91	40
Heroin	6	7	10	19	32	32	23	14	13	7
Ecstasy (MDMA etc.)	4	3	11	13	12	7	1	6	3	2
GHB	1	1	5	1	4	2	1	3	1	0



<i><b>Other Frequently Identified Drugs in Death Investigations</b></i>	<i><b>Number of Cases</b></i>
<i>Amphetamine/Methamphetamine</i>	19
<i>Alprazolam (Xanax)</i>	119
<i>Diazepam (Valium)</i>	97
<i>Carisoprodol (Soma)</i>	75
<i>Propoxyphene</i>	50
<i>Fentanyl</i>	26
<i>Hydromorphone (Dilaudid)</i>	7
<i>Mepidine (Demerol)</i>	7
<i>Morphine</i>	47