

U.S. Department of Justice
Drug Enforcement Administration



Domestic Monitor Program

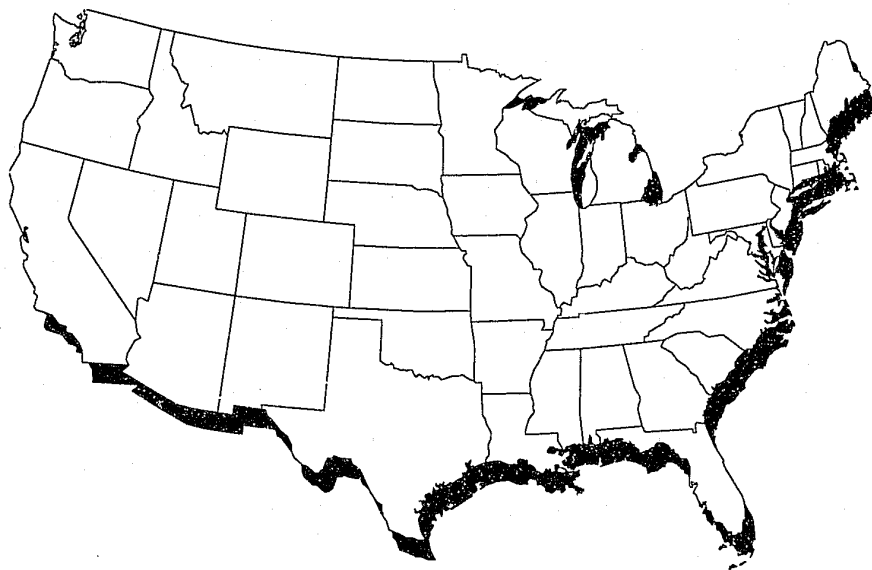
July - September 1993



Drug Intelligence Report

Intelligence Division

154680



ONDCP Drugs & Crime
Clearinghouse

April 1994
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Domestic Monitor Program

July - September 1993

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NCJRS

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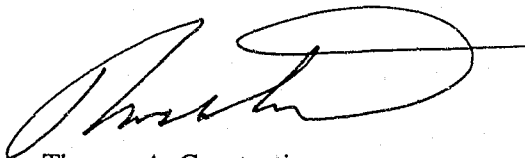
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April 1994

ADMINISTRATOR'S MESSAGE

The Drug Enforcement Administration's Domestic Monitor Program (DMP) provides intelligence regarding the source area, cost, and purity of heroin being sold at the retail or "street" level in 19 continental U.S. cities and San Juan, Puerto Rico. The data contained in this report are based on actual undercover heroin purchases made by DEA on the streets of these cities during the third quarter of Calendar Year 1993.

The national average purity of heroin for July - September 1993 was 34.6 percent. This continues the trend of unusually high national average purities that have been reported in the DMP over the past year. The high average purity is due at least partially to the newly classified South American heroin, which averaged 59.3 percent pure during the July - September 1993 period.

A handwritten signature in black ink, appearing to read 'Tom Constantine', with a large, stylized loop at the end.

Thomas A. Constantine
Administrator

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EXECUTIVE SUMMARY

The Domestic Monitor Program (DMP) is a quarterly Special Field Intelligence Program (SFIP) designed, funded, and administered by the Drug Enforcement Administration (DEA). The objective of the DMP is to monitor the retail-level heroin situation. This objective is accomplished by making undercover heroin purchases that are analyzed for price, purity, adulterants, diluents, and geographic source area. The results are reported to Federal, State, and local authorities.

During the third quarter of Calendar Year 1993, the DMP collected samples in 19 metropolitan areas: Atlanta, Baltimore, Boston, Chicago, Dallas, Denver, Detroit, Houston, Los Angeles, Miami, Newark, New Orleans, New York City, Phoenix, San Diego, San Francisco, San Juan, St. Louis, and Washington, D.C. Baltimore was included in the program on a one-time basis. (Philadelphia and Seattle did not participate in the DMP during the July - September quarter.) The following summarizes the collected samples:

- During this quarter, 172 exhibits were purchased, 166 (97%) of which contained heroin. Of these 166 exhibits, two were classified as outliers, and, thus, are not included in the national averages or in the summaries given below. Outliers are included in Appendix B of this report.
- The purity of these exhibits averaged 34.6 percent (for all exhibits containing heroin) with a low of 0.8 percent in Miami, and a high of 97.8 percent in New York City.
- A total of 30 exhibits (31% of the exhibits that could be classified) were of Southeast Asian origin (SEA) with an average purity of 33.1 percent.
- A total of 4 exhibits (4% of the exhibits that could be classified) were of Southwest Asian origin (SWA) with an average purity of 28.4 percent. This represents a substantial decrease in both number and purity of SWA exhibits compared with the 1992 DMP results, which is due, in part, to the development of the South American (SA) heroin signature. Previously, the generally high purity SA heroin often was classified as SWA.
- A total of 40 exhibits (42% of the exhibits that could be classified) were of Mexican origin (MEX) with an average purity of 30.4 percent.
- A total of 22 exhibits (23% of the exhibits that could be classified) were of South American origin (SA) with an average purity of 59.3 percent. During the July - September period, SA heroin was purchased only on the East Coast of the United States and in San Juan, Puerto Rico.

- A total of 68 exhibits were of unclassifiable origin (UNC) with an average purity of 30.2 percent.
- The average cost per milligram of pure heroin by source area was:

Southeast Asian (SEA)	\$0.96
Southwest Asian (SWA)	\$1.11
Mexican (MEX)	\$1.37
South American (SA)	\$0.64
All classifiable sources combined	\$1.06
Unclassifiable	\$2.13
All heroin combined	\$1.51

In order to achieve maximum benefit from this report, it should be used in conjunction with other available intelligence indicators. The DMP represents a limited view of the heroin situation due to its concentration in only 20 cities. This report makes no quarter-to-quarter comparisons due to the limited number of samples purchased in each city during each quarter nor does it represent a comprehensive view of the overall national situation. A calendar-year summary, which includes year-to-year DMP city comparisons, is issued when all individual quarterly data are complete. DMP results concerning heroin by geographic source area may differ somewhat from those calculated in the Heroin Signature Program (HSP). The HSP is an annual DEA program analyzing random samples of domestic purchases and seizures as well as all seizures made at U.S. ports of entry and involves a much broader and more extensive data base.¹

¹ For more information on DEA's Heroin Signature Program and Heroin Signature Classification, see Appendix C.

DMP CITY SUMMARY DATA		
City	Average Purity (percent)	Average Cost (dollar/milligram)
Atlanta	31.9	2.03
Baltimore	10.8	0.79
Boston	61.1	0.87
Chicago	32.7	0.94
Dallas	9.6	1.36
Denver	36.3	1.92
Detroit	20.9	1.40
Houston	20.5	1.18
Los Angeles	26.3	0.36
Miami ¹	4.8	3.86
Newark	61.8	0.64
New Orleans ¹	30.7	2.89
New York	72.4	0.49
Philadelphia ²	--	--
Phoenix	21.1	4.59
San Diego	51.5	0.34
San Francisco	29.8	1.29
San Juan	50.9	0.51
Seattle ²	--	--
St. Louis	10.1	1.47
Washington, D.C.	30.7	1.01
DMP Average	34.6	1.51

¹ These cities purchased outliers, which are not included in the DMP Average.

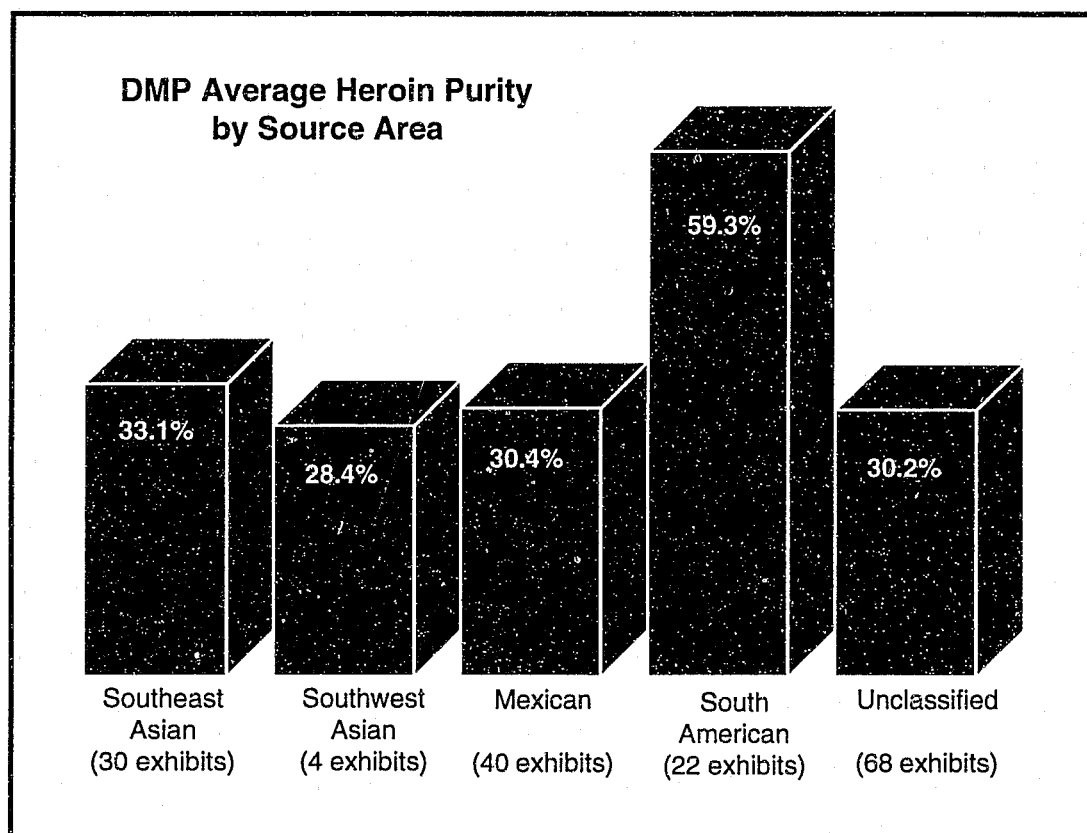
² These cities did not participate in the DMP this quarter.

OVERVIEW: JULY - SEPTEMBER 1993

The Domestic Monitor Program (DMP) is a retail-level heroin purchase program designed to provide Federal, State, and local authorities with intelligence relating to heroin purity, price, availability, adulterants, diluents, and geographic source areas (Signature analysis¹). The DMP collected samples in 19 metropolitan areas: Atlanta, Baltimore, Boston, Chicago, Dallas, Denver, Detroit, Houston, Los Angeles, Miami, Newark, New Orleans, New York City, Phoenix, San Diego, San Francisco, San Juan, St. Louis, and Washington, D.C.

The following information is a result of the analysis of DMP exhibits for the third quarter of 1993:

A total of 172 exhibits were submitted to DEA's Special Testing and Research Laboratory for Signature analysis. Of these exhibits, 6 (3%) did not contain heroin. Of the 166 exhibits that did contain heroin, two were classified as "outliers." Outliers are those samples that have a purity of less than 0.5 percent or a price greater than \$16.00 per milligram pure. Outliers are not used in the calculation of DMP averages or trends.



¹ For an explanation of Signature analysis and other terms used in this report, see Appendix C.

The purity of the remaining 164 heroin exhibits ranged from a low of 0.8 percent in Miami to a high of 97.8 percent in New York City. Of the 164 exhibits, 68 (41%) were unusable for source area identification. Submissions are unusable when there is insufficient weight to perform all the required tests or when test results are inconsistent. A test result is considered inconsistent when it matches more than one existing profile or when it does not match any of the currently used profiles.

South American Heroin

Since April - June 1993, the DMP has included a new heroin signature classification which identifies heroin produced in South America, generally referred to as Colombian heroin. Before DEA's Special Testing and Research Laboratory developed the South American (SA) signature, heroin from this region was usually either unclassified or, because of chemical similarities, classified as Southwest Asian (SWA). This indicates that the extremely high average purity of SWA heroin reported in the DMP over the past year was inflated due to the inclusion of the suspected SA heroin samples under the SWA signature. For example, during January - March 1993, the 25 exhibits classified as SWA averaged 56.8 percent pure. In contrast, during July - September 1993, the four exhibits classified as SWA averaged 28.4 percent pure, while the 22 exhibits classified as SA averaged 59.3 percent pure. In addition, SA heroin may be partially responsible for the high number and purity of unclassified heroin samples, although it is expected that refinements to the SA signature should make it possible to classify more heroin samples in future reports.

**DMP AVERAGE HEROIN PURITY
by Source Area and City**

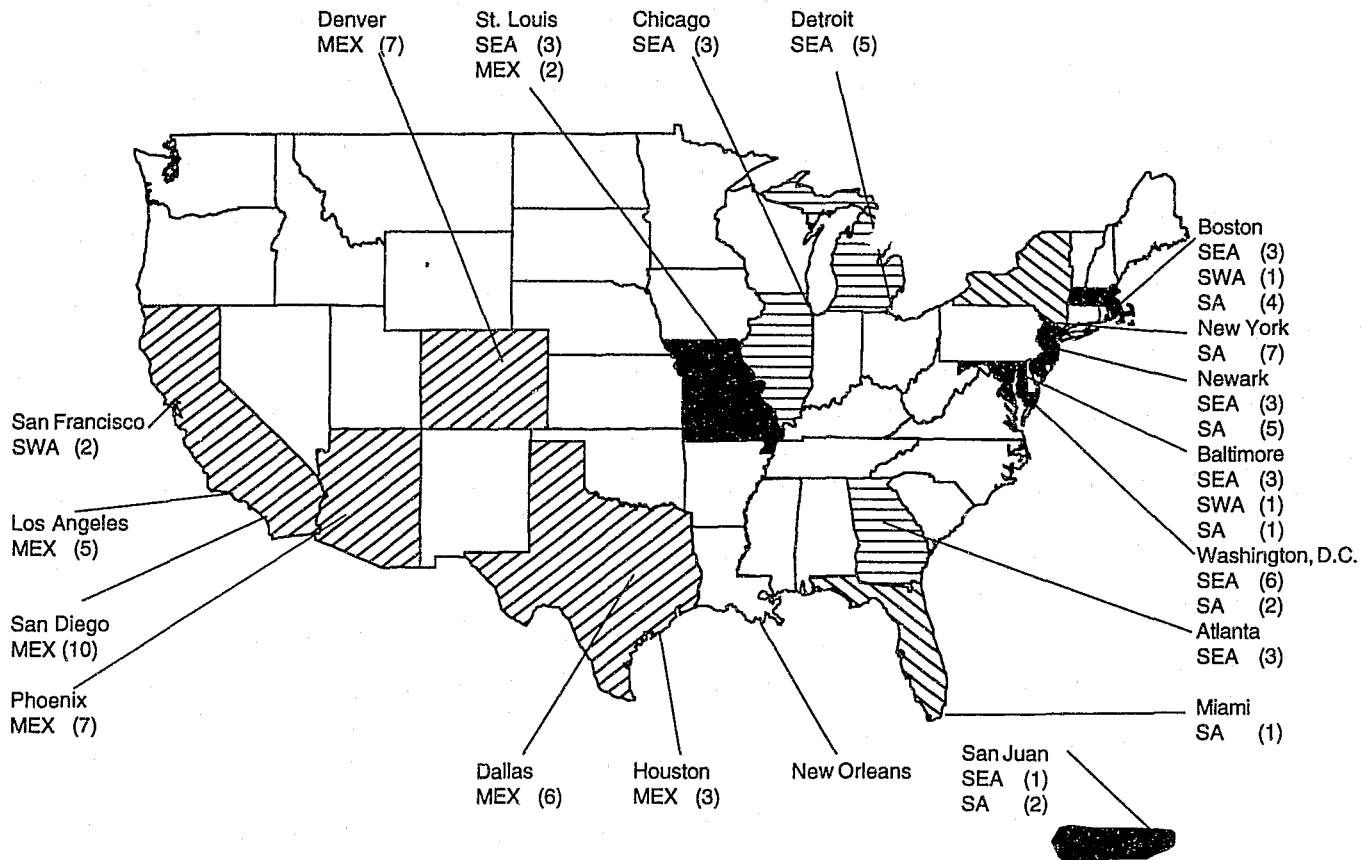
City	Southeast Asian		Southwest Asian		Mexican		South American	
	Number of Exhibits	Average Purity (percent)	Number of Exhibits	Average Purity (percent)	Number of Exhibits	Average Purity (percent)	Number of exhibits	Average purity (percent)
Atlanta	3	35.0	--	--	--	--	--	--
Baltimore	3	12.6	1	5.9	--	--	1	11.9
Boston	3	66.3	1	51.8	--	--	4	54.0
Chicago	3	40.2	--	--	--	--	--	--
Dallas	--	--	--	--	6	10.1	--	--
Denver	--	--	--	--	7	36.5	--	--
Detroit	5	17.0	--	--	--	--	--	--
Houston	--	--	--	--	3	15.7	--	--
Los Angeles	--	--	--	--	5	26.3	--	--
Miami ¹	--	--	--	--	--	--	1	5.9
Newark	3	60.8	--	--	--	--	5	65.7
New Orleans ^{1,2}	--	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	7	79.7
Philadelphia ³	--	--	--	--	--	--	--	--
Phoenix	--	--	--	--	7	26.5	--	--
San Diego	--	--	--	--	10	51.8	--	--
San Francisco	--	--	2	28.0	--	--	--	--
San Juan	1	46.3	--	--	--	--	2	57.3
Seattle ³	--	--	--	--	--	--	--	--
St. Louis	3	11.0	--	--	2	8.6	--	--
Washington, D.C.	6	30.5	--	--	--	--	2	35.1
Totals	30	--	4	--	40	--	22	--
National Average	--	33.1	--	28.4	--	30.4	--	59.3

¹ These cities purchased exhibits that were counted as outliers and were not included in the DMP average.

² This city's purchases were all Unclassified exhibits.

³ These cities did not participate in the DMP this quarter.

DMP Heroin Dominance by Source Area



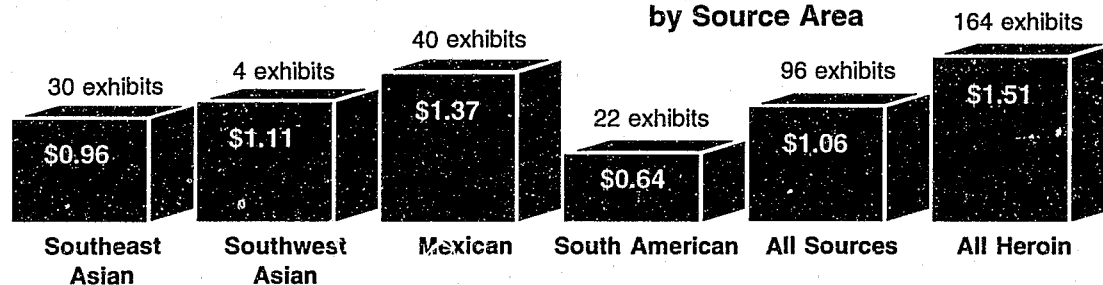
Legend	
DMP	City
()	Number of Exhibits
SEA	Southeast Asian Heroin
SWA	Southwest Asian Heroin
MEX	Mexican Heroin
SA	South American Heroin
UNC	Unclassified Heroin

	Southeast Asian Heroin Dominated Area
	Southwest Asian Heroin Dominated Area
	Mexican Heroin Dominated Area
	South American Heroin Dominated Area
	Mixed Heroin Dominated Area
	No Heroin Samples Collected

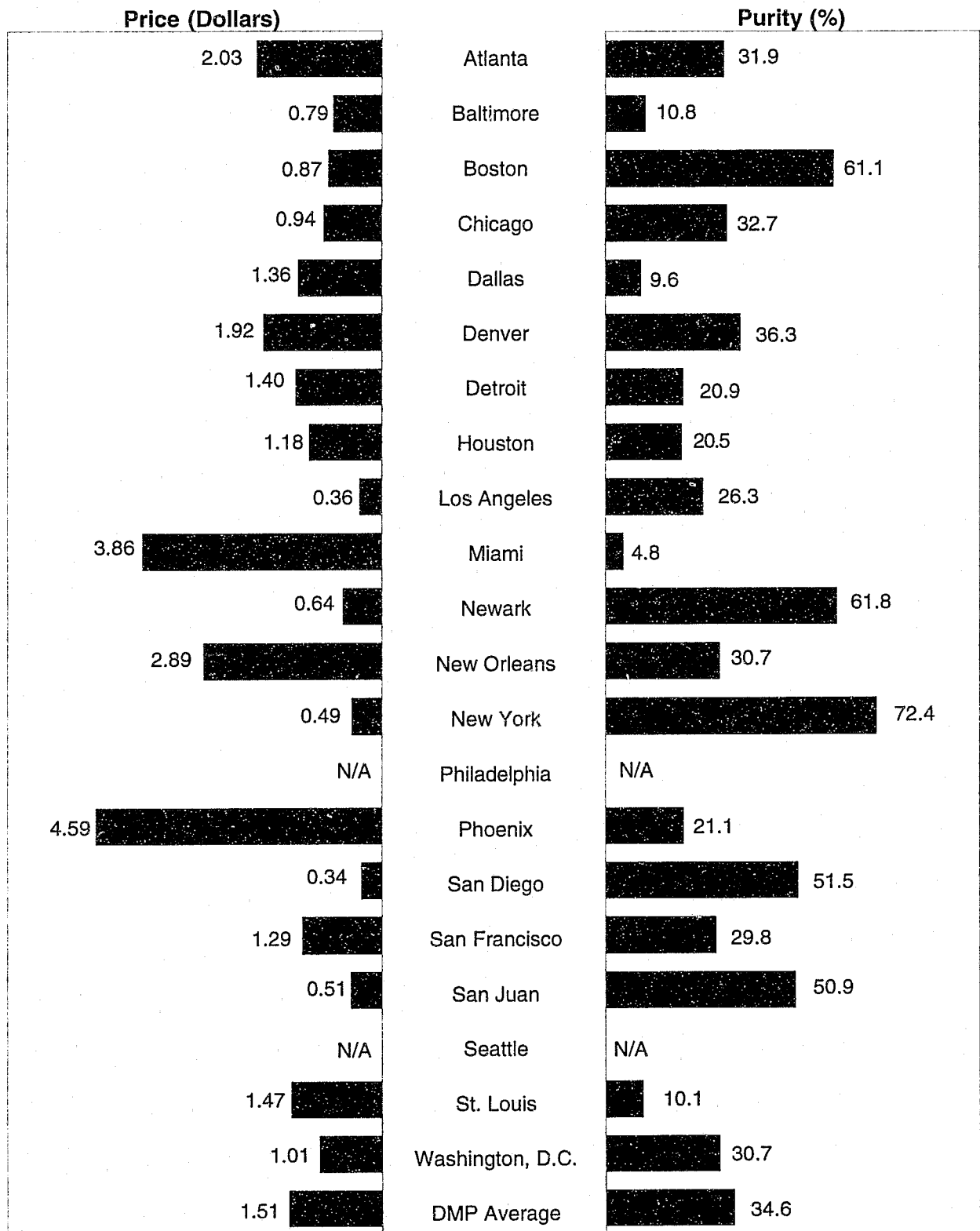
DMP HEROIN PRICES
(U.S. dollars/milligram pure)

City	Southeast Asian	Southwest Asian	Mexican	South American	Average
Atlanta	1.70	--	--	--	2.03
Baltimore	0.56	1.47	--	0.83	0.79
Boston	0.99	0.49	--	0.84	0.87
Chicago	0.45	--	--	--	0.94
Dallas	--	--	1.41	--	1.36
Denver	--	--	1.49	--	1.92
Detroit	1.10	--	--	--	1.40
Houston	--	--	0.97	--	1.18
Los Angeles	--	--	0.36	--	0.36
Miami	--	--	--	1.52	3.86
Newark	0.61	--	--	0.67	0.64
New Orleans	--	--	--	--	2.89
New York	--	--	--	0.32	0.49
Philadelphia	--	--	--	--	--
Phoenix	--	--	3.43	--	4.59
San Diego	--	--	0.36	--	0.34
San Francisco	--	1.24	--	--	1.29
San Juan	0.43	--	--	0.48	0.51
Seattle	--	--	--	--	--
St. Louis	1.12	--	1.79	--	1.47
Washington, D.C.	1.07	--	--	0.94	1.01
DMP Average	0.96	1.11	1.37	0.64	1.51

**DMP Average Heroin Cost
by Source Area**



DMP Average Heroin Prices and Purities by City¹



¹ Based on 164 exhibits.

ADULTERANTS AND DILUENTS

Heroin (diacetylmorphine) is produced from morphine by a chemical process known as acetylation. The morphine is extracted from opium, which comes from the opium poppy plant (*Papaver somniferum L.*). Adulterants are impurities in the final product that are carried over from the opium poppy plant or the extracted opium (such as morphine), substances that are produced as by-products during heroin processing (such as monoacetylmorphine), or substances that are added during heroin processing to modify the character of the heroin (such as quinine). Adulterants have physiological effects of their own.

Monoacetylmorphine is an impurity from the heroin-manufacturing process; it results from incomplete acetylation or conversion of morphine to heroin, and is a direct result of heroin decomposition or reversion to its original state, morphine. This decomposition can be caused by prolonged exposure to moisture or acid.

Diluents are substances that are added to the heroin to extend its bulk. Unlike adulterants, diluents are inert substances with no physiological effects.

The following tables list adulterants and diluents found in third quarter 1993 DMP exhibits:

ADULTERANTS BY SOURCE AREA Number of Occurrences (Percent of Source Area's Exhibits)										
Adulterant	Southeast Asian ¹		Southwest Asian ²		Mexican ³		South American ⁴		Total ⁵	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Acetylcodeine	25	83	3	75	28	70	15	68	71	74
Monoacetylmorphine	7	23	3	75	29	73	10	45	49	51
Quinine	12	40	2	50	1	2	6	27	21	22
Diphenhydramine	8	27	--	--	10	25	--	--	18	19
Caffeine	8	27	1	25	--	--	3	14	12	13
Noscapine	--	--	2	50	7	18	--	--	9	9
Procaine	1	3	1	25	--	--	7	32	9	9
Lidocaine	1	3	1	25	4	10	2	9	8	8
Acetaminophen	4	13	--	--	--	--	1	5	5	5
Papaverine	--	--	1	25	3	8	--	--	4	4
Cocaine	1	3	--	--	1	2	1	5	3	3
Nicotinamide	--	--	2	50	1	2	--	--	3	3
Aspirin	--	--	--	--	--	--	1	5	1	1
Morphine	--	--	--	--	1	2	--	--	1	1

¹ Based on 30 exhibits.

² Based on 4 exhibits.

³ Based on 40 exhibits.

⁴ Based on 22 exhibits.

⁵ Based on 96 exhibits.

DILUENTS BY SOURCE AREA Number of Occurrences (Percent of Source Area's Exhibits)										
Diluent	Southeast Asian ¹		Southwest Asian ²		Mexican ³		South American ⁴		Total ⁵	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Mannitol	20	67	3	75	4	10	21	95	48	50
Lactose	15	50	2	50	15	38	11	50	43	45
Starch	9	30	--	--	3	8	8	36	20	21
Amorphous Material	--	--	--	--	12	30	--	--	12	13
Dextrose	2	7	--	--	1	2	--	--	3	3
Calcium Carbonate	--	--	2	50	--	--	--	--	2	2
Flour	--	--	--	--	--	--	2	9	2	2
Inositol	2	7	--	--	--	--	--	--	2	2
Mineral Debris	--	--	--	--	1	2	1	5	2	2
Sodium Chloride	--	--	--	--	1	5	--	--	1	1

¹ Based on 30 exhibits.

² Based on 4 exhibits.

³ Based on 40 exhibits.

⁴ Based on 22 exhibits.

⁵ Based on 96 exhibits.

BRAND NAMES

Retail packages bearing brand names are encountered frequently in DMP samples. A brand name denotes the trafficking organization or the cutting house where the drug was diluted and repackaged. Within the heroin trade, the use of brand names has become so extensive that some organizations conduct business using counterfeit brand names. When the counterfeit products begin to erode the business of a group, they will change the name of their product, conduct an extensive advertising campaign, and begin again.

During third quarter 1993, brand names were encountered on DMP exhibits obtained in Baltimore, Boston, Detroit, Miami, Newark, and New York City.

BRAND NAMES AND LOGOS by DMP City			
City	Source	Purity (%)	Brand Name/Logo (Description)
Baltimore	UNC	10.2	Aces High
Boston	SEA	89.7	Phone for Service on one side (and blue stars on the other side)
	SEA	59.2	Terrific
	SEA	50.0	Amadeo
	SWA	51.8	Body Guard
	SA	73.6	Day Night (with four stars under words)
	SA	65.8	The Crush
	SA	50.6	Opp
	SA	25.8	(Logo of red hearts)
	UNC	93.4	Excellent (with logo of shooting star)
	UNC	50.9	Body Guard
Detroit	SEA	24.2	Apache (under a circled P)
	SEA	24.0	Apache (under a circled P)
	SEA	23.2	Apache (with a circled P)
	SEA	7.3	Lace
	SEA	6.4	Bronco
	UNC	31.9	AAA
	UNC	28.7	Wild Thing (over a circled numeral 8)

BRAND NAMES AND LOGOS by DMP City			
City	Source	Purity (%)	Brand Name/Logo (Description)
Miami	UNC	4.6	Butterfly insignia and the numbers 3434
Newark	SEA	65.1	King (with picture of a gorilla)
	SEA	64.2	Tec
	SEA	53.0	Double Dragon (with picture of a dragon)
	SA	97.4	9 1/2 Plus (with picture of an arrow)
	SA	58.4	No Joke (with picture of a face with hat)
	SA	45.3	Unforgiven (with picture of a pistol)
	SA	32.2	Death Trap (with picture of casket)
	UNC	63.0	Forty Four (with picture of a gun)
New York City	SA	97.8	Intruder
	SA	89.4	(Unidentified logo)
	SA	84.8	Scarface
	SA	81.6	Monster
	SA	79.7	Red Job (below the logo of a face)
	SA	65.6	Untouchable
	SA	59.3	Knockout
	UNC	91.2	9 1/2 Plus (next to picture of an arrow pointed up)
	UNC	84.9	Fucked Up
	UNC	79.4	Red Devil (to the right of a two-legged figure with a long tail)
	UNC	75.4	I Be Back (with logo of a large bird)
	UNC	39.8	R.S. (next to a star); bundle called Star
	UNC	12.2	Red Job (below the logo of a face)

APPENDIX A: INDIVIDUAL CITY SAMPLING

Atlanta

Heroin Purities			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	11	10.8 - 77.6	31.9
Southeast Asian	3	10.8 - 54.2	35.0
Unclassified	8	13.4 - 77.6	30.7

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	3	--	--	--	6	9
Acetaminophen	1	--	--	--	5	6
Caffeine	3	--	--	--	1	4
Monoacetylmorphine	2	--	--	--	2	4
Cocaine	--	--	--	--	3	3
Quinine	1	--	--	--	2	3
Diphenhydramine	--	--	--	--	1	1

Note: All samples are heroin hydrochloride unless otherwise noted. The purities of all DMP samples determined to be heroin base were recalculated as heroin hydrochloride for purposes of comparison. Samples that were bought on the same day and have nearly identical compositions are treated as one exhibit in this part of the report. Appendix B contains details on each exhibit.

Atlanta (continued)

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Lactose	2	--	--	--	5	7
Mannitol	1	--	--	--	5	6
Starch	3	--	--	--	2	5

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	1.70	--	--	--	2.15	2.03

Baltimore

Heroin Purity

Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	9	2.2 - 17.8	10.8
Southeast Asian	3	10.4 - 15.1	12.6
Southwest Asian	1	--	5.9
South American	1	--	11.9
Unclassified	4	2.2 - 17.8	10.5
Non-heroin	1	--	--

Adulterants (Number of Occurrences)

Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Quinine	3	1	--	1	4	9
Procaine	--	1	--	1	2	4
Acetylcodeine	3	--	--	--	--	3
Caffeine	--	1	--	--	1	2
Lidocaine	--	1	--	--	1	2
Acetaminophen	1	--	--	--	--	1
Monoacetylmorphine	1	--	--	--	--	1

Baltimore (continued)

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Mannitol	3	1	--	1	4	9
Lactose	--	--	--	--	1	1
Starch	1	--	--	--	--	1

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	0.56	1.47	--	0.83	3.14	0.79

Boston

Heroin Purities

Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	10	25.8 - 93.4	61.1
Southeast Asian ¹	3	50.0 - 89.7	66.3
Southwest Asian	1	--	51.8
South American	4	25.8 - 73.6	54.0
Unclassified ¹	2	50.9 - 93.4	72.2

Adulterants (Number of Occurrences)

Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	3	1	--	3	2	9
Monoacetylmorphine	1	1	--	--	2	4
Procaine	--	--	--	2	1	3
Quinine	--	1	--	1	1	3
Lidocaine	1	--	--	1	--	2
Caffeine	--	--	--	1	--	1
Cocaine	1	--	--	--	--	1

¹ Composition of one of the Southeast Asian heroin exhibits and one of the Unclassified exhibits was mixed heroin base and heroin hydrochloride.

Boston (continued)

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Mannitol	3	1	--	4	1	9
Lactose	--	1	--	2	1	4
Flour	--	--	--	1	--	1
Inositol	1	--	--	--	--	1

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	0.99	0.49	--	0.84	0.92	0.87

Chicago

Heroin Purities

Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	4	10.0 - 48.5	32.7
Southeast Asian	3	29.1 - 48.5	40.2
Unclassified	1	--	10.0

Adulterants (Number of Occurrences)

Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	3	--	--	--	1	4
Diphenhydramine	3	--	--	--	--	3
Chloroquin	--	--	--	--	1	1

Diluents (Number of Occurrences)

Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Lactose	3	--	--	--	1	4
Dextrose	--	--	--	--	1	1
Starch	--	--	--	--	1	1

Heroin Price per Milligram Pure (Dollars)

	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	0.45	--	--	--	2.40	0.94

Dallas

Heroin Purities			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	7	3.4 - 24.1	9.6
Mexican	6	3.4 - 24.1	10.1
Unclassified	1	--	6.6

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Diphenhydramine	--	--	6	--	1	7
Monoacetylmorphine	--	--	3	--	1	4
Acetylcodeine	--	--	1	--	--	1
Cocaine	--	--	1	--	--	1
Nicotinamide	--	--	1	--	--	1
Noscapine	--	--	--	--	1	1

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Lactose	--	--	6	--	1	7

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	--	--	1.41	--	1.07	1.36

Denver

Heroin Purities			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	9	21.6 - 43.7	36.3
Mexican	7	21.6 - 43.7	36.5
Unclassified	2	29.1 - 42.1	35.6

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	--	--	8	--	2	10
Monoacetylmorphine	--	--	7	--	2	9
Noscapine	--	--	1	--	1	2

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Amorphous Material	--	--	4	--	--	4
Lactose	--	--	1	--	--	1
Mannitol	--	--	1	--	--	1

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	--	--	1.49	--	3.39	1.92

Detroit

Heroin Purities			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	10	6.4 - 31.9	20.9
Southeast Asian	5	6.4 - 23.2	17.0
Unclassified	5	11.0 - 31.9	24.8

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	3	--	--	--	3	6
Diphenhydramine	2	--	--	--	--	2
Quinine	2	--	--	--	--	2

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Lactose	5	--	--	--	4	9
Mannitol	3	--	--	--	2	5
Dextrose	2	--	--	--	--	2
Starch	1	--	--	--	1	2

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	1.10	--	--	--	1.69	1.40

Houston

Heroin Purities

Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	5	6.9 - 34.2	20.5
Mexican	3	6.9 - 32.9	15.7
Unclassified	2	21.5 - 34.2	27.9

Adulterants (Number of Occurrences)

Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	--	--	1	--	1	2
Monoacetylmorphine	--	--	1	--	1	2
Diphenhydramine	--	--	--	--	1	1

Diluents (Number of Occurrences)

Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Lactose	--	--	2	--	1	3
Mannitol	--	--	--	--	1	1

Heroin Price per Milligram Pure (Dollars)

	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	--	--	0.97	--	1.49	1.18

Los Angeles

Heroin Purities			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	5	16.6 - 34.3	26.3
Mexican	5	16.6 - 34.3	26.3

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	--	--	4	--	--	4
Monoacetylmorphine	--	--	3	--	--	3
Diphenhydramine	--	--	2	--	--	2

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Lactose	--	--	3	--	--	3

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	--	--	0.36	--	--	0.36

Miami

Heroin Purities

Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	13	0.8 - 9.5	4.8
South American	1	--	5.9
Unclassified	12	0.8 - 9.5	4.7

Adulterants (Number of Occurrences)

Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Quinine	--	--	--	1	7	8
Benzocaine	--	--	--	--	2	2
Diphenhydramine	--	--	--	--	2	2
Monoacetylmorphine	--	--	--	--	2	2
Morphine	--	--	--	--	2	2
Lidocaine	--	--	--	--	1	1

Diluents (Number of Occurrences)

Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Mannitol	--	--	--	1	10	11
Lactose	--	--	--	1	4	5
Starch	--	--	--	--	5	5
Dextrose	--	--	--	--	2	2

Heroin Price per Milligram Pure (Dollars)

	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	--	--	--	1.52	4.06	3.86

Newark

Heroin Purity			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	10	32.2 - 97.4	61.8
Southeast Asian	3	53.0 - 65.1	60.8
South American ¹	5	32.2 - 97.4	65.7
Unclassified ¹	2	44.3 - 63.0	53.7

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Monoacetylmorphine	2	--	--	4	1	7
Acetylcodeine	2	--	--	3	1	6
Caffeine	2	--	--	1	--	3
Procaine	1	--	--	1	1	3
Acetaminophen	--	--	--	1	--	1
Aspirin	--	--	--	1	--	1
Diphenhydramine	--	--	--	--	1	1
Quinine	1	--	--	--	--	1

¹ Composition of one of the South American heroin exhibits and one of the Unclassified exhibits was mixed heroin base and heroin hydrochloride.

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Mannitol	3	--	--	2	2	7
Lactose	--	--	--	2	2	4
Starch	--	--	--	2	1	3
Calcium Chloride	--	--	--	--	1	1
Mineral Debris	--	--	--	1	--	1
Sodium Chloride	--	--	--	--	1	1

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	0.61	--	--	0.67	0.58	0.64

New Orleans

Heroin Purities			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	5	9.9 - 44.6	30.7
Unclassified	5	9.9 - 44.6	30.7
Non-heroin	3	--	--

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	--	--	--	--	3	3
Cocaine	--	--	--	--	1	1
Methocarbamol	--	--	--	--	1	1
Monoacetylmorphine	--	--	--	--	1	1
Morphine	--	--	--	--	1	1
Nicotinamide	--	--	--	--	1	1
Procaine	--	--	--	--	1	1
Quinine	--	--	--	--	1	1

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Mannitol	--	--	--	--	5	5
Dextrose	--	--	--	--	1	1

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	--	--	--	--	2.89	2.89

New York City

Heroin Purity			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	13	12.2 - 97.8	72.4
South American ¹	7	59.3 - 97.8	79.7
Unclassified ¹	6	12.2 - 91.2	63.8

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	--	--	--	6	5	11
Monoacetylmorphine	--	--	--	4	3	7
Cocaine	--	--	--	1	2	3
Procaine	--	--	--	2	1	3
Lidocaine	--	--	--	1	1	2
Morphine	--	--	--	--	2	2
Quinine	--	--	--	2	--	2
Methocarbamol	--	--	--	--	1	1

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Mannitol	--	--	--	6	4	10
Lactose	--	--	--	3	2	5
Starch	--	--	--	2	--	2

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	--	--	--	0.32	0.68	0.49

¹ Composition of one of the South American heroin exhibits and one of the Unclassified exhibits was mixed heroin base and heroin hydrochloride.

Philadelphia

Heroin Purities			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
No purchases were made in Philadelphia this quarter.			

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	N/A	N/A	N/A	N/A	N/A	N/A

Phoenix

Heroin Purities

Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	10	3.2 - 49.8	21.1
Mexican	7	3.2 - 49.8	26.5
Unclassified	3	3.2 - 12.8	8.6

Adulterants (Number of Occurrences)

Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Monoacetylmorphine	--	--	6	--	2	8
Acetylcodeine	--	--	5	--	--	5
Lidocaine	--	--	3	--	1	4
Morphine	--	--	1	--	1	2
Noscapine	--	--	2	--	--	2
Papaverine	--	--	1	--	--	1

Diluents (Number of Occurrences)

Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Amorphous Material	--	--	4	--	1	5
Mannitol	--	--	3	--	2	5
Dextrose	--	--	1	--	1	2
Starch	--	--	--	--	2	2
Mineral Debris	--	--	--	--	1	1

Heroin Price per Milligram Pure (Dollars)

	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	--	--	3.43	--	7.31	4.59

San Diego

Heroin Purities			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	12	15.2 - 74.1	51.5
Mexican	10	15.2 - 74.1	51.8
Unclassified	2	47.0 - 53.6	50.3

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	--	--	9	--	1	10
Monoacetylmorphine	--	--	8	--	2	10
Noscapine	--	--	4	--	--	4
Papaverine	--	--	2	--	2	4
Lidocaine	--	--	1	--	--	1
Morphine	--	--	--	--	1	1

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Amorphous Material	--	--	3	--	2	5
Mineral Debris	--	--	1	--	2	3
Lactose	--	--	1	--	--	1
Starch	--	--	1	--	--	1

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	--	--	0.36	--	0.23	0.34

San Francisco

Heroin Purities			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	3	22.9 - 33.4	29.8
Southwest Asian ¹	2	22.9 - 33.1	28.0
Unclassified	1	--	33.4

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	--	2	--	--	1	3
Monoacetylmorphine	--	2	--	--	1	3
Nicotinamide	--	2	--	--	1	3
Noscapine	--	2	--	--	1	3
Papaverine	--	1	--	--	--	1

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Calcium Carbonate	--	2	--	--	1	3

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	--	1.24	--	--	1.38	1.29

¹ Composition of one of the Southwest Asian heroin exhibits was heroin base.

San Juan

Heroin Purities			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	11	26.2 - 83.5	50.9
Southeast Asian	1	--	46.3
South American ¹	2	53.3 - 61.2	57.3
Unclassified ¹	8	26.2 - 83.5	49.9

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	--	--	--	2	7	9
Monoacetylmorphine	--	--	--	1	5	6
Quinine	--	--	--	--	4	4
Morphine	--	--	--	--	3	3
Caffeine	--	--	--	--	1	1
Cocaine	--	--	--	--	1	1
Procaine	--	--	--	--	1	1

¹ Composition of two of the South American exhibits and one of the Unclassified exhibits was mixed heroin base and heroin hydrochloride.

San Juan (continued)

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Lactose	--	--	--	2	6	8
Mannitol	--	--	--	1	6	7
Starch	--	--	--	1	--	1

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	0.43	--	--	0.48	0.53	0.51

Seattle

Heroin Purities			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
No purchases were made in Seattle during this quarter.			

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	N/A	N/A	N/A	N/A	N/A	N/A

St. Louis

Heroin Purities

Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	6	8.5 - 11.3	10.1
Southeast Asian	3	10.7 - 11.3	11.0
Mexican	2	8.5 - 8.6	8.6
Unclassified	1	--	10.6

Adulterants (Number of Occurrences)

Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Diphenhydramine	3	--	2	--	1	6
Acetylcodeine	3	--	--	--	1	4
Quinine	--	--	1	--	1	2
Monoacetylmorphine	--	--	1	--	--	1

Diluents (Number of Occurrences)

Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Lactose	3	--	2	--	1	6
Starch	3	--	2	--	1	6
Amorphous Material	--	--	1	--	--	1
Mannitol	--	--	--	--	1	1

Heroin Price per Milligram Pure (Dollars)

	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	1.12	--	1.79	--	1.85	1.47

Washington, D.C.

Heroin Purity			
Source Composition	Occurrences	Purity Range (%)	Average Purity (%)
Heroin	11	8.1 - 56.9	30.7
Southeast Asian	6	8.1 - 56.9	30.5
South American ¹	2	30.6 - 39.6	35.1
Unclassified	3	12.9 - 46.8	28.2

Adulterants (Number of Occurrences)						
Adulterant	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Acetylcodeine	5	--	--	1	2	8
Quinine	5	--	--	1	2	8
Caffeine	3	--	--	1	1	5
Acetaminophen	2	--	--	--	1	3
Lidocaine	--	--	--	--	2	2
Monoacetylmorphine	1	--	--	1	--	2
Procaine	--	--	--	1	1	2

¹ Composition of one of the South American exhibits was mixed heroin base and heroin hydrochloride.

Washington, D.C. (continued)

Diluents (Number of Occurrences)						
Diluent	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Total
Mannitol	4	--	--	2	2	8
Lactose	2	--	--	--	1	3
Sodium Chloride	--	--	--	1	1	2
Starch	1	--	--	1	--	2
Inositol	--	--	--	--	1	1

Heroin Price per Milligram Pure (Dollars)						
	Southeast Asian	Southwest Asian	Mexican	South American	Unclassified	Average
	1.07	--	--	0.94	0.93	1.01

APPENDIX B: EXHIBIT DATA BY CITY

Atlanta

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
30	Oliver St.	13.4	UNC	100.00	2.222	08-10	
31.1	Sells St.	27.3	UNC	49.00	2.042	08-10	
31.2	Sells St.	22.6	UNC	51.00	2.429	08-10	
32	Oliver & Proctor Sts.	25.1	UNC	100.00	1.887	08-23	
33	1st St.	51.5	UNC	100.00	1.613	08-23	
34	Carter & Taliaferro Sts.	14.5	UNC	100.00	2.439	08-24	
35	Strong & Kennedy Sts.	77.6	UNC	100.00	1.099	08-24	
36	Carter & Taliaferro Sts.	40.0	SEA	100.00	0.746	08-27	
37	Kennedy & Strong Sts.	54.2	SEA	100.00	1.587	08-27	
38	Sells Ave. & Ashby St.	13.4	UNC	100.00	3.448	09-07	
39	Proctor & Oliver Sts.	10.8	SEA	100.00	2.778	09-09	

Note: All samples are heroin hydrochloride unless otherwise noted. All samples marked N/A are not heroin unless otherwise noted. In addition, exhibits whose numbers have decimal points (for example, 3.1, 3.2, 3.3) are one sample that was analyzed in several parts due to differences in composition.

Baltimore

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
1	Franklinton Rd.	12.3	SEA	80.00	0.808	08-16	
2	Barclay St. & Greenmount Ave.	2.2	UNC	100.00	1.887	08-17	
3	Ashland & Chappel St.	N/A	N/A	90.00	N/A	08-18	
4	Riggs Ave. & Carey St.	10.2	UNC	90.00	0.402	08-31	Aces High
5	Fulton & Stricker	17.8	UNC	100.00	0.370	09-22	
6	North Ave. & Pulaski	11.9	SA	100.00	0.830	09-22	
7	R. North Ave.	15.1	SEA	100.00	0.444	09-22	
8	N. Mount St.	5.9	SWA	100.00	1.471	09-28	
9	Stricker St.	11.7	UNC	100.00	0.478	09-22	
10	Bloomingdale Rd. & Belmont Ave.	10.4	SEA	100.00	0.420	09-29	

Boston

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
30	Morse St., Roxbury	65.8	SA	200.00	0.966	09-08	The Crush
31	Norfolk St.	93.4	UNC	200.00	1.325	09-08	Excellent with logo of shooting star
32	Regis Rd., Mattapan	59.2	SEA	200.00	1.099	09-08	Terrific
33	Dudley St., Roxbury	50.6	SA	100.00	0.952	09-29	Opp
34	Delhi St., Mattapan	89.7	SEA	200.00	1.351	09-29	Phone for Service and blue stars
35	Tobin Ct., Mission Hill Projects, Roxbury	73.6	SA	80.00	0.630	09-16	Day Night and four stars under words
36	Quincy St., Dorchester	51.8	SWA	90.00	0.489	09-23	Body Guard
37	Broadway, Chelsea	50.0	SEA	90.00	0.508	09-24	Amadeo
38	Dudley St., Roxbury	25.8	SA	90.00	0.826	09-27	Logo of red hearts
39	Centre St., Jamaica Plain	50.9	UNC	90.00	0.520	09-27	Body Guard

Chicago

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
1	Keeler & Lake Sts.	44.5	SEA	100.00	0.331	09-16	
2	Unspecified	41.6	SEA	100.00	0.493	09-21	
3	S. Princeton	29.1	SEA	100.00	0.483	09-29	
4	N. Pulaski	48.0	SEA	100.00	0.408	09-29	
5	N. Clark	10.8	UNC	100.00	2.941	09-29	
6	N. California	9.1	UNC	100.00	1.852	09-29	
7	W. Division	49.0	SEA	100.00	0.383	09-29	
8	43rd & Indiana	48.5	SEA	100.00	0.606	09-29	

Dallas

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
26	Morris	3.4	MEX	120.00	3.333	07-19	
27	Oakland	7.6	MEX	120.00	1.121	08-05	
28	HWY 175 & Bexar	7.2	MEX	110.00	1.279	08-05	
29	Macon	6.6	UNC	120.00	1.071	08-18	
30	Neptune	5.0	MEX	120.00	1.846	08-18	
31	Hooper	24.1	MEX	120.00	0.619	09-07	
32	Opal	12.0	MEX	80.00	0.620	09-07	
33	Starks	8.5	MEX	120.00	0.845	09-27	

Denver

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
30	Federal Blvd. & 16th St.	32.5	MEX	100.00	1.087	08-11	
31	Larimer & 22nd St.	42.4	MEX	80.00	0.964	08-11	
32	31st & Curtis St.	21.6	MEX	120.00	1.348	08-13	
33	20th & Larimer St.	29.7	MEX	100.00	1.190	08-17	
34	37th & Gaylord St.	44.2	MEX	100.00	3.704	09-07	
35	32nd & Curtis St.	43.1	MEX	100.00	0.654	09-07	
36	Champa St.	29.1	UNC	100.00	3.448	09-16	
37	28th & Laurence St.	42.0	MEX	100.00	0.917	09-16	
38	32nd & Curtis St.	42.1	UNC	100.00	3.333	09-23	
39	27th & Lawrence St.	43.4	MEX	100.00	2.778	09-23	

Detroit

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
31	Auburn	11.0	UNC	120.00	3.871	08-12	
32	Ferry Park & Linwood	28.7	UNC	110.00	0.850	08-13	Wild Thing over a circled numeral 8
33	Wabash St.	24.2	SEA	125.00	1.116	08-12	Apache under a circled P
34	Wabash & Marquette	24.0	SEA	120.00	1.111	09-08	Apache under a circled P
35	Nebraska	25.6	UNC	125.00	1.374	09-08	
36	Warwick	26.8	UNC	120.00	1.765	09-08	
37	John R & Adelaide Sts.	6.4	SEA	120.00	1.263	09-20	Bronco
38	Alfred	7.3	SEA	120.00	0.916	09-20	Lace
39	McKinley & Buchanan Sts.	31.9	UNC	120.00	0.609	09-20	AAA
40	Nebraska	23.2	SEA	110.00	1.100	09-29	Apache with circled P

Houston

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Mark or Brand Name
1	Kilkenny & Cullen Blvd.	6.8	MEX	250.00	1.157	09-08	
2	Mayflower St.	7.0	MEX	250.00	1.445	09-09	
3	Yellowstone & England St.	32.9	MEX	300.00	0.310	09-09	
4.1	Bensen & Riley	21.5	UNC	139.00	1.829	09-09	
4.2	Bensen & Riley	34.2	UNC	61.00	1.151	09-09	
5	Brandon & Reed Rd.	6.7	MEX	200.00	0.939	09-09	
6	Almeda Genoa & Reed Rd.	6.6	MEX	200.00	1.639	09-09	
7	Brandon & Bellfort St.	7.0	MEX	200.00	1.563	09-09	
8	Lee & Lockwood St.	7.0	MEX	200.00	1.124	09-09	
9	Peerless	7.1	MEX	200.00	1.282	09-09	

Los Angeles

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
28	48th & Avalon Sts.	16.6	MEX	80.00	0.435	08-24	
29	40th Pl. & Main St.	34.3	MEX	60.00	0.370	08-24	
30	51st St. & Avalon Blvd.	18.1	MEX	40.00	0.396	08-30	
31	51st St. & Avalon Blvd.	32.2	MEX	60.00	0.319	08-31	
32	Washington & Burlington Sts.	30.2	MEX	60.00	0.260	09-21	

Miami

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
28.1	Ali Baba Ave., Opa Locka	5.8	UNC	91.00	1.152	09-13	
28.2	Ali Baba Ave., Opa Locka	5.3	UNC	9.00	1.286	09-13	
29	Ali Baba Ave., Opa Locka	5.6	UNC	100.00	1.266	09-13	
30	NW 61 St., Liberty City	N/A	N/A	100.00	N/A	09-13	
31	NW 62nd St. & 13th Ave., Liberty City	4.7	UNC	100.00	2.703	09-13	
32.1	NW 62nd St. & 13th Ave., Liberty City	4.6	UNC	84.00	1.585	09-13	Butterfly insignia and numbers 3434
32.2	NW 62nd St. & 13th Ave., Liberty City	0.07	UNC	16.00	N/A ¹	09-13	Butterfly insignia and numbers 3434
33	NW 58th St. & NW 15th Ave., Liberty City	9.5	UNC	100.00	0.926	09-13	
34	13th Ave., NW, Overtown	N/A	N/A	20.00	N/A	09-14	
35	NW 2 Ave. & 11th Court, Overtown	7.3	UNC	90.00	1.169	09-14	
36	NW 2 Ave. & 11 Court, Overtown	7.2	UNC	150.00	1.145	09-14	
37	Ali Baba Ave., Opa Locka	5.8	UNC	100.00	1.235	09-15	
38	22nd Ave. & Ali Baba Ave.	5.8	UNC	100.00	1.250	09-13	
39	22nd Ave. & Ali Baba Ave., Opa Locka	5.7	UNC	120.00	1.500	09-13	
40	NW 62nd St., Liberty City	1.1	UNC	100.00	11.111	09-13	
41	154 St. & 25 Ave., Opa Locka	4.4	UNC	150.00	1.786	09-15	

¹ Price per milligram pure could not be calculated due to the extremely low purity of the sample; this exhibit was treated as an outlier.

Miami

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
42	NW 22 Ave. & Ali Baba Ave.	5.7	UNC	130.00	1.354	09-15	
43	Ali Baba & NW 22nd Aves.	5.9	SA	70.00	1.522	09-15	
44.1	NW 62nd St.	1.9	UNC	93.00	6.643	09-15	
44.2	NW 62nd St.	2.4	UNC	57.00	5.182	09-15	
45.1	Ali Baba Ave., Opa Locka	0.8	UNC	56.00	14.000	09-28	
45.2	Ali Baba Ave., Opa Locka	6.9	UNC	124.00	1.851	09-28	

Newark

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
31	Grafton	32.2	SA	140.00	1.591	08-24	Death Trap with picture of casket
32	James St.	58.4	SA	140.00	0.741	08-24	No Joke with picture of face with hat
33	Renner St.	63.0	UNC	150.00	0.739	08-24	Forty Four with picture of gun
34	6th St. & Park Ave., Elizabeth	97.4	SA	140.00	0.248	08-24	9 1/2 Plus with arrow
35	West Kinney & Sayre St.	53.0	SEA	140.00	0.571	08-24	Double Dragon with picture of dragon
36	Broadway	95.1 ¹	SA	100.00	0.307	09-17	
37	Oakwood Place, Orange	64.2	SEA	140.00	0.617	09-17	Tec
38	South 18th St. & Jacob Ave.	45.3	SA	140.00	0.461	09-17	Unforgiven with picture of pistol
39	Mohammed Ali & 18th St.	65.1	SEA	140.00	0.651	09-17	King with picture of gorilla
40	Summer Ave.	44.3 ¹	UNC	100.00	0.424	09-17	

¹ Heroin composition was mixed heroin base and heroin hydrochloride.

New Orleans

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
20	Caliope Project	9.9	UNC	160.00	8.000	08-20	
21.1	Broad St. ¹	N/A	N/A	138.00	N/A	08-24	
21.2	Broad St.	0.9	UNC	62.00	31.000	08-24	
22	Tulane Ave.	28.1	UNC	200.00	2.817	08-24	
23.1	Desire St.	N/A	N/A	142.00	N/A	09-21	
23.2	Desire St.	44.6	UNC	58.00	0.835	09-21	
24.1	Flordia Ave. & Law St.	42.1	UNC	57.00	0.934	09-22	
24.2	Flordia Ave. & Law St.	N/A	N/A	143.00	N/A	09-22	
25	Franklin Ave. & Bay St.	29.0	UNC	225.00	1.844	09-22	

¹Since the price of this exhibit was greater than \$16.00 per milligram pure, it is treated as an outlier in this report.

New York City

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
37	Bronx	84.9 ¹	UNC	100.00	0.292	08-10	Fucked Up
38	Bronx	84.8 ¹	SA	100.00	0.279	08-10	Scarface
39	Bronx	97.8	SA	100.00	0.292	08-10	Intruder
40	East Harlem	89.4	SA	100.00	0.310	08-10	Unidentified logo
41	Bronx	81.6	SA	100.00	0.220	09-08	Monster
42	East Harlem	59.3	SA	100.00	0.299	09-08	Knockout
43	East Harlem	91.2	UNC	100.00	0.238	09-08	9 1/2 Plus next to an arrow pointed up
44	Lower East Side	65.6	SA	100.00	0.474	09-08	Untouchable
45.1	Upper East Side	79.7	SA	93.00	0.356	09-22	Red Job below the logo of a face
45.2	Upper East Side	12.2	UNC	7.00	0.875	09-22	Red Job below the logo of a face
46	Lower East Side	75.4	UNC	100.00	0.310	09-23	I Be Back with logo of large bird
47	Brooklyn	79.4	UNC	100.00	0.279	09-22	Red Devil to the right of a two-legged figure with a long tail
48	Brooklyn	39.8	UNC	100.00	2.083	09-22	R.S. next to a star; bundle called Star

¹ Heroin composition was mixed heroin base and heroin hydrochloride.

Philadelphia

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
No purchases were made in Philadelphia during this quarter.							

Phoenix

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
31	12th & Weldon Sts.	3.2	UNC	60.00	15.000	08-09	
32	7th St. & McDowell Rd.	3.2	MEX	50.00	12.500	08-09	
33	17th Ave. & Van Buren St.	48.5	MEX	60.00	0.652	08-09	
34	14th & Oak Sts.	49.8	MEX	60.00	1.000	08-11	
35	Central Ave. & Osborn Rd.	18.6	MEX	45.00	2.143	08-11	
36	9th St. & McDowell Rd.	9.7	UNC	40.00	5.000	08-11	
37	16th St. & Indian School Rd.	11.8	MEX	50.00	2.000	08-11	
38	12th St. & Highland Rd.	12.8	UNC	50.00	1.923	08-11	
39	16th St. & Osborn Rd.	38.6	MEX	50.00	0.167	08-24	
40	7th Ave. & Indian School Rd.	15.1	MEX	50.00	5.556	09-15	

San Diego

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
27	L St.	64.5	MEX	150.00	0.400	08-10	
28	J St.	53.4	MEX	150.00	0.273	08-10	
29	20th & K Sts.	53.4	MEX	165.00	0.380	08-10	
30	National Ave.	40.6	MEX	150.00	0.394	08-18	
31	Broadway	50.7	MEX	150.00	0.367	08-19	
32	29th & National Ave.	15.2	MEX	115.00	0.772	08-20	
33	25th & Market Sts.	48.8	MEX	130.00	0.378	08-23	
34	25th & B Sts.	74.1	MEX	140.00	0.279	08-24	
35	Witman	61.0	MEX	120.00	0.188	08-26	
36	25th & Broadway	53.6	UNC	135.00	0.234	09-08	
37	24th & E Sts.	47.0	UNC	130.00	0.224	09-08	
38	Charnoune Ave.	55.8	MEX	140.00	0.246	09-13	
39	27th & K Sts.	53.6	MEX	120.00	0.270	09-13	

San Francisco

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
30	Lincoln Way	33.4	UNC	375.00	1.384	08-06	
31	Polk St.	22.9	SWA	345.00	1.375	08-17	
32	Polk St.	33.1	SWA	360.00	1.098	08-20	

San Juan

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
31	Las Mareas, Rd. #3, Salinas	57.8	UNC	130.00	0.823	08-17	
32	La Cantera, Ponce	53.3 ¹	SA	100.00	0.323	08-17	
33	Sector Figueroa, Santurce	45.1 ¹	UNC	100.00	0.463	08-18	
34	Panama & B Sts., Caguas	55.6	UNC	100.00	0.412	08-24	
35	Residencial Brisas del Turabo, Gurabo	49.0	UNC	100.00	0.357	08-24	
36.1	La Perla Ward	83.5	UNC	28.00	0.283	09-07	
36.2	La Perla Ward	26.2	UNC	122.00	0.897	09-07	
37	Luis Llorens Torres PHC, Santurce	51.5	UNC	145.00	0.336	09-07	
38	Rio Piedras	46.3	SEA	150.00	0.427	09-07	
39	Plaza de Santiago PHC, Cidra	30.3	UNC	100.00	0.645	09-16	
40	Estate Profit, USVI	61.2 ¹	SA	200.00	0.633	09-17	

¹ Heroin composition was mixed base and hydrochloride.

Seattle

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
No purchases were made in Seattle during this quarter.							

St. Louis

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
20	Carter St.	11.2	SEA	150.00	1.079	08-23	
21	Carter	10.9	SEA	150.00	1.339	08-23	
22	West Florissant Ave.	10.7	SEA	150.00	1.071	08-23	
23.1	Pope	N/A	N/A	54.00	N/A	08-24	
23.2	Pope	11.3	SEA	96.00	1.091	08-24	
24	O'Fallon Park	N/A	N/A	150.00	N/A	08-24	
25	Grand Ave. & Delmar Ave.	N/A	N/A	150.00	N/A	08-24	
26	Rutger & Montrose Sts.	N/A	N/A	90.00	N/A	08-26	
27	Evans & Whittier Sts.	8.6	MEX	150.00	2.586	08-26	
28	Grand & Palm Sts.	8.5	MEX	150.00	0.987	08-26	
29	Evans	10.6	UNC	150.00	1.852	08-31	

Washington, D.C.

Exhibit Number	Location	Purity (%)	Source Area	Price (\$)	Price/mg (\$)	Purchase Date	Identifying Marks or Brand Name
31	9th St. & V St.	56.9	SEA	100.00	0.719	08-17	
32	Georgia Ave. & Newton St., NW	12.9	UNC	60.00	1.154	08-23	
33	Georgia Ave.	29.8	SEA	120.00	1.290	08-23	
34	7th St., NE	30.6 ¹	SA	90.00	1.059	09-15	
35	9th & T Sts.	25.0	UNC	100.00	1.316	08-31	
36.1	1st St., SW	33.4	SEA	65.00	0.468	09-08	
36.2	1st St., SW	46.8	UNC	15.00	0.319	09-08	
37	Georgia Ave. & Irving St., NW	39.6	SA	100.00	0.820	09-02	
38	Georgia Ave., NW	29.0	SEA	100.00	0.893	09-10	
39	1st St. & L St., SE	25.8	SEA	100.00	0.840	09-14	
40	Martin Luther King Ave. & Talbot St., SE	8.1	SEA	80.00	2.222	09-16	

¹ Heroin composition was mixed heroin base and heroin hydrochloride.

APPENDIX C: DEFINITIONS

Adulterants: Pharmacologically active substances—such as caffeine, monoacetylmorphine, procaine, and quinine—that remain in or are added to the final heroin product at the completion of the heroin conversion process.

Alkaloids: Naturally occurring constituents of opium such as codeine, morphine, noscapine, and thebaine.

Black Tar Heroin: A relatively high-purity heroin made from opium poppies grown in Mexico using techniques classified as Mexican in origin. It may be brown to black in color and sticky like roofing tar or hard like coal. Typically, black tar heroin is a hydrochloride salt and is taken by injection.

Diluents: Pharmacologically inactive substances added to increase bulk—such as lactose, mannitol, starch, and sucrose.

Drug Abuse Warning Network (DAWN): A program—sponsored jointly by DEA and the National Institute on Drug Abuse (NIDA)—to gather, interpret, and disseminate data on drug abuse and overdose deaths. The data are obtained primarily from hospitals and medical examiners in 26 cities.

Gross Weight: The total weight of an exhibit including its packaging material.

Heroin Hydrochloride: A salt of heroin that is water soluble and suitable for injection. This is the type most commonly available to abusers.

Heroin Color: The actual color of the heroin after it has been separated from its adulterants and diluents.

Heroin Signature Classification: The result of Heroin Signature Program analysis. Classifications currently defined include South American (SA), Southeast Asian (SEA), Southwest Asian (SWA), and Mexican (MEX). Also known as Heroin Signature Profiles. When the results of a Signature analysis are inconclusive, the sample may be listed as “unknown” or “insufficient weight.” For the purposes of this report, the latter two classifications are grouped together under the heading of Unclassified (UNC).

Heroin Signature Program: A program developed by DEA to identify the geographic source area of a heroin sample through the detection of specific chemical characteristics in the sample peculiar to its source area. This program employs special chemical analyses to identify and quantitate selected chemical characteristics and secondary constituents of an exhibit—which ideally is at least 1.5 grams net weight and which has a purity of at least 3.0 percent.

Impurities: Naturally occurring constituents of opium or processing chemicals that remain in heroin after the conversion process is completed.

Insufficient Weight: A sample of heroin that is too small for Signature analysis. Ideally, each sample should be at least 1.5 grams net weight (including adulterants and diluents) and should have a purity of at least 3.0 percent. A sample of this minimum weight and purity has a pure heroin weight of at least 45 milligrams. A smaller sample is not classifiable by means of Signature analysis and is labeled as “insufficient weight.”

Mexican Heroin: A type of heroin made from opium poppies grown in Mexico using techniques developed by Mexican chemists. This type of heroin is typically the hydrochloride salt form. The purity is usually low and suitable for injection. Mexican heroin appears in several shades of brown and is powdery in consistency. Black tar heroin is also Mexican in origin and typically much higher in purity.

Net Weight: The total weight of the heroin excluding its packaging.

Outlier: Generally speaking, a number or value that is so far removed from others in its category that it is considered to be invalid for inclusion in the calculation of averages. DMP exhibits that are classified as “outliers” are those exhibits that have a purity of less than 0.5 percent or a price greater than \$16.00 per milligram pure. DMP averages do not include outliers.

Pure Weight: The weight of the heroin as determined by multiplying the purity of an exhibit by its net weight.

Purity: The amount of heroin present compared to all other substances in the sample. Purity is expressed as a percent. Purity and salt type are listed in the DMP report when available.

Southeast Asian no. 3 (SEA #3): Heroin made in Southeast Asia that is not as highly refined as SEA #4 heroin; its color ranges from tan to off-white. Although considered a smoking heroin, it also may be injected intravenously. Caffeine and strychnine usually are added to SEA #3 before the heroin manufacturing process is completed.

Southeast Asian no. 4 (SEA #4): Heroin that is made from Southeast Asian opium and produced in the "Golden Triangle" (Burma, Laos, and Thailand). It is usually encountered as a fine, white powder.

Southwest Asian Heroin (SWA): Heroin made from opium grown in Afghanistan, Iran, or Pakistan. The quality of this heroin ranges from a highly refined white heroin produced in the European-Mediterranean area to a less refined tan heroin produced in Afghanistan, Iran, Pakistan, and Turkey. Pakistani traffickers also produce a highly refined, white heroin for the North American market.

System to Retrieve Information from Drug Evidence (STRIDE): A computerized data base program to record, collate, and display the results of qualitative and quantitative chemical analyses as well as the physical circumstances surrounding the acquisition of all drug evidence submitted to the DEA laboratory system. STRIDE data are used to monitor drug prices and potencies, to enumerate the number of exhibits examined, and to provide a comprehensive accounting of drug removals.

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