

Development of Factors to Estimate 4-digit SIC Employment from 6-digit NAICS Employment Data for Selected Nonpoint Emission Inventory Categories With Example VOC Emission Calculations

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TABLE 6.5-2

**PER CAPITA AND PER EMPLOYEE SOLVENT CLEANING EMISSION FACTORS
(EPA, 1991)**

Subcategory	SIC Codes	Per Capita Factor (lb/yr/person)		Per Employee Factor (lb/yr/employee)	
		VOCs	Organics	VOCs	Organics
Solvent Cleaning (total)	25, 33-39, 417, 423, 551, 552, 554-556, 753	4.3	7.2	87	144
Cold Cleaning					
Automobile Repair	417, 423, 551, 552, 554-556, 753	2.5	2.5	270	270
Manufacturing	25, 33-39	1.1	1.1	24	24
Vapor and In-Line Cleaning					
Electronics and Electrical	36	0.21	1.1	29	150
Other	25, 33-39, 417, 423, 551, 552, 554-556, 753	0.49	25	9.8	49

TABLE 8.5-1**NATIONAL DEFAULT PER EMPLOYEE EMISSION FACTORS (EPA, 1991)**

Category	SIC Code	Per Employee VOC Emission Factor (lb/yr)	Per Employee Coating Usage Factor (gal/yr)
Furniture and Fixtures	25	944	175
Metal Containers	341	6,029	1,218
Automobiles (new)	3711	794	131
Machinery and Equipment	35	77	17
Appliances	363	463	181
Other Transportation Equipment	37, except 3711 and 373	35	14
Sheet, Strip, and Coil	3479	2,877	474
Factory Finished Wood	2426-9, 243-245, 2493, 2499	131	40
Electrical Insulation	3357, 3612	290	114
Other Product Coatings	NA*	NA	NA
High-Performance Maintenance Coatings	NA	NA	NA
Marine Coatings	373	308	47
Other Special Purpose Coatings	NA	NA	NA

* NA = not available, use per capita emission factors from Table 8.5-2.

TABLE 4.5-1

**NATIONAL PER EMPLOYEE EMISSION FACTORS FOR
DRY CLEANING OPERATIONS FROM (EPA, 1991A)**

Subcategory	Reactive VOC (lb/year/employee)	Applicable SIC	Total Organics (lb/year/employee)	Applicable SIC
All solvents (total)	1,800 ^a	7216	2,300 ^b	7215, 7216
Halogenated Solvents (total PERC, TCA and CFC 113)			980 ^c	7215 & 7216
Coin Operated			52 ^c	7215
Commercial/Industrial			1,200 ^c	7216
Mineral Spirits & Other Unspecified Solvents	1,800	7216	1,800	7216

^a Emission factor excludes emissions of PERC, TCA, and CFC 113, and represents only emissions of mineral spirits and other solvents. Thus, this factor is not applicable for coin-operated facilities (SIC 7215) that use exclusively PERC.

^b Total organics are the sum of the PERC, TCA, CFC 113, mineral spirits, and unspecified other solvents.

^c These emission factors would not be used in a VOC inventory, but could be used for an inventory of HAPs. Readers are encouraged to review the source document for more information about these factors (EPA, 1991a).

5.1 ALTERNATE METHOD 1 - APPORTION NATIONAL EMPLOYMENT DATA

This method is identical to the preferred method except that survey data are not included in the development of the estimate. Equation 13.4-1 is applicable for this method, with the following modification: if only County Business Patterns data are available (i.e., Dun and Bradstreet data are not available), then instead of calculating emission estimates for each shop size, a single estimate for all shop sizes will result from Equation 13.4-1. County Business Patterns data do not contain revenue data, so emissions cannot be determined for each "revenue-based" shop size category. Dun and Bradstreet data is the preferred source for developing emissions using this method; however, limited resources on the part of the inventorying agency may prevent it from being used.

1997 data to calculate EF		
79429.590	tons VOC/year ('97-US)	
205172	# of US '97 employee	
0.387	ton/emp	

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Table 1: 1997 NAICS Matched to 1987 SIC		Table 2: 1987 SIC matched to 1997 NAICS	
11	Agriculture, Forestry, Fishing, and Hunting only Logging covered in the Economic Census		Agriculture, Forestry, and Fisheries not covered in the Economic Census
↓ 21	Mining	↓	Mineral Industries
↓ 22	Utilities	↓	Construction Industries
↓ 23	Construction	↓	Manufacturing
↓ 31-33	Manufacturing	↓	Transportation, Communications, and Utilities
↓ 42	Wholesale Trade	↓	Wholesale Trade
↓ 44-45	Retail Trade		

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54 Professional, Scientific and Technical Services	Economic Census
55 Management of Companies and Enterprises	
56 Administrative and Support and Waste Management and Remediation Services	
61 Educational Services	
62 Health Care and Social Assistance	
71 Arts, Entertainment and Recreation	
72 Accommodation and Food Services	
81 Other Services (except Public Administration)	
92 Public Administration not covered in the Economic Census	

Downloadable Files

The following files contain all data from the Bridge Between NAICS and SIC (both tables). Unlike most other reports from the 1997 Economic Census, these data are not accessible in American FactFinder.

These executable files uncompress themselves when run.

- [ASCII comma delimited format](#)
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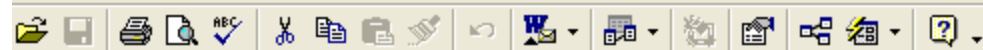
SICfractOfnaics : Table

SICmod	NAICS	SIClist4ADJ_EI	SIClis	NAICS4_EMP	NAICS	EMPfract	TEXT
3494	332999	564		79070		0.0071329202	All other miscellaneous fabricated
3495	332612	18798		18798		1	Spring (light gauge) mfg
3495	334518	175	c est	6333		0.02763303332	Watch, clock, & part mfg
3496	332618	41821		46174		0.90572616624	Other fabricated wire product mfg
3497	332999	5648		79070		0.07143037815	All other miscellaneous fabricated
3497	322225	4967		4967		1	Laminated aluminum foil mfg for fl
3498	332996	29364		29364		1	Fabricated pipe & pipe fitting mfg
3499	332439	2331		14922		0.15621230398	Other metal container mfg
3499	332510	3401		74285		0.04578313253	Hardware mfg
3499	332919	375	e est	18739		0.02001174022	Other metal valve & pipe fitting mf
3499	332999	63736		79070		0.80607057038	All other miscellaneous fabricated
3499	337215	1295		75382		0.01717916744	Showcase, partition, shelving, & l
3499	339914	568		14573		0.03897618884	Costume jewelry & novelty mfg
3499	332117	10760		10760		1	Powder metallurgy part mfg
3511	333611	19529		19529		1	Turbine & turbine generator set ur
3519	333618	56338	l est*	56348		0.99982253141	Other engine equipment mfg
3519	336399	896		174465		0.00513570057	All other motor vehicle parts mfg
3523	333111	66370		66370		1	Farm machinery & equipment mfg
3523	332323	3082		34391		0.08961646943	Ornamental & architectural metal
3523	332212	60	b est	50388		0.00119075970	Hand & edge tool mfg
3523	333922	320		39599		0.00808101215	Conveyor & conveying equipment
3524	332212	60	b est	50388		0.00119075970	Hand & edge tool mfg

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Datasheet View

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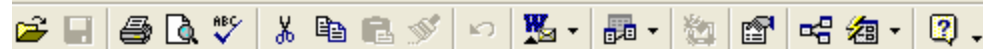
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TEXT	NAICS	SIC	PT	YEAR	ESTAB	ESTAE	ECVALUE	ECVA	PAY	PAYI	EMP	EM
Machine tool (metal forming types	333513			1997	225		2255011		598606		14185	
Machine tools, metal forming type	333513	D3542		1997	225		2255011		598606		14185	
pecial die & tool, die set, jig, & fi	333514			1997	4746		8244855		3229765		80113	
pecial dies, tools, jigs, & fixtures	333514	D3544	20	1997	4746		8244855		3229765		80113	
utting tool & machine tool acces	333515			1997	1920		5347173		1643142		47925	
Machine tool accessories (pt)	333515	D3545	20	1997	1920		5347173		1643142		47925	
olling mill machinery & equipmer	333516			1997	100		700084		167312		4149	
olling mill machinery	333516	D3547		1997	100		700084		167312		4149	
ther metalworking machinery mfg	333518			1997	474		3463811		857290		19023	
etalworking machinery, n.e.c.	333518	D3549		1997	474		3463811		857290		19023	
ngine, turbine, & power transmis	3336			1997	952		30090403		4642042		113712	
ngine, turbine, & power transmis	3336			0000	952		30090403		4642042		113712	
ngine, turbine, & power transmis	33361			1997	952		30090403		4642042		113712	
urbine & turbine generator set un	333611			1997	86		5783057		910316		19529	
urbines & turbine generator sets	333611	D3511		1997	86		5783057		910316		19529	
peed changer, industrial high-spe	333612			1997	268		2402392		597248		16231	
peed changers, drives, & gears	333612	D3566		1997	268		2402392		597248		16231	
lechanical power transmission eq	333613			1997	299		3301091		770962		21604	
ower transmission equipment, n.	333613	D3568		1997	299		3301091		770962		21604	
ther engine equipment mfg	333618			1997	299		18603863		2363516		56348	
ternal combustion engines, n.e.c	333618	D3519	10	1997	297		0	D	0	D	0	I
lectrical equipment & supplies, r	333618	D3699	40	1997	2		0	D	0	D	0	a
ther general-purpose machinery	3339			1997	7002		62293503		13157682		354258	
ther general-purpose machinery	3339			0000	7002		62293503		13157682		354258	
ump & compressor mfg	33391			1997	874		13775950		2614706		68197	
ump & pumping equipment mfg	333911			1997	489		6826043		1422919		36552	
umps & pumping equipment	333911	D3561		1997	489		6826043		1422919		36552	
ailroad equipment (pt)	333911	D3743	10	1997	0		0		0		0	
ir & gas compressor mfg	333912			1997	314		5633008		940349		24821	
ir & gas compressors	333912	D3563		1997	314		5633008		940349		24821	
leasing & dispensing pump mfg	333913			1997	71		1316899		251438		6824	
leasing & dispensing pumps	333913	D3586		1997	71		1316899		251438		6824	
aterial handling equipment mfg	33392			1997	1863		16671053		3342469		93008	
levator & moving stairway mfg	333921			1997	1863		16671053		3342469		93008	



TEXT	SIC	NAICS	PT	OPTYPE	YEAR	ESTA	EST	ECVAL	EC\	PAY	PAY	EMP	EMPF
gas production and distribution	E492				1997	3931		0 D		0 D		0 m	
combination utility services	E493				1997	1989		0 D		0 D		0 m	
water supply	E494				1997	3721		4E+06		800537		26597	
water supply	E4941				1997	3721		4E+06		800537		26597	
water supply	E4941	221310	10		1997	3721		4E+06		800537		26597	
sanitary services	E495				1997	6056		2E+07		4E+06		103025	
team and air-conditioning supply	E496				1997	83		573063		80995		1767	
team and air-conditioning supply	E4961				1997	83		573063		80995		1767	
team & air-conditioning supply	E4961	221330			1997	83		573063		80995		1767	
irrigation systems	E497				1997	331		106608		24871		1336	
irrigation systems	E4971				1997	331		106608		24871		1336	
irrigation systems	E4971	221310	20		1997	331		106608		24871		1336	
wholesale trade	F			00	1997	5E+05		4E+09		2E+08		6509333	
wholesale trade	F			10	1997	4E+05		2E+09		2E+08		5301188	
wholesale trade - durable goods	F50			00	1997	3E+05		2E+09		1E+08		3887371	
wholesale trade - durable goods	F50			10	1997	3E+05		1E+09		1E+08		3243089	
motor vehicles and motor vehicle parts and supply	F501			00	1997	48055		6E+08		2E+07		554976	
motor vehicles and motor vehicle parts and supply	F501			10	1997	44820		2E+08		1E+07		461214	
automobiles & other motor vehicles	F5012			00	1997	7664		4E+08		5E+06		150947	
automobiles & other motor vehicles	F5012			10	1997	6654		1E+08		3E+06		96180	
automobile & other motor vehicle wholesaler	F5012	421110	s	00	1997	7664		4E+08		5E+06		150947	
automobile & motorcycle wholesaler	F5012	421110	10	00	1997	3952		2E+08		2E+06		70675	
automobile & motorcycle wholesaler	F5012	421110	10	10	1997	3331		8E+07		911926		25772	
buses & recreational vehicle wholesaler	F5012	421110	20	00	1997	387		3E+06		152468		5047	
buses & recreational vehicle wholesaler	F5012	421110	20	10	1997	347		0 D		0 D		0 h	
light truck & van (14,000 lb or less) wholesaler	F5012	421110	30	00	1997	548		2E+08		427702		9552	
light truck & van (14,000 lb or less) wholesaler	F5012	421110	30	10	1997	428		7E+06		216730		6188	
medium truck & tractor (14,001 lb to 26,000 lb)	F5012	421110	40	00	1997	516		4E+06		275806		7929	
medium truck & tractor (14,001 lb to 26,000 lb)	F5012	421110	40	10	1997	480		0 D		0 D		0 i	
heavy truck & tractor (over 26,000 lb) wholesaler	F5012	421110	50	00	1997	2261		3E+07		2E+06		57744	
heavy truck & tractor (over 26,000 lb) wholesaler	F5012	421110	50	10	1997	2068		2E+07		2E+06		52127	
motor vehicle supplies & new parts	F5013			00	1997	28873		1E+08		9E+06		306446	
motor vehicle supplies & new parts	F5013			10	1997	26849		6E+07		7E+06		272072	
motor vehicle supplies & new parts wholesaler	F5013	421120	s	00	1997	12620		8E+07		5E+06		156038	

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SIClist2 : Table

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	F5193	422930		1997	44939		00
	F5193	444220	30	1997	8979		00
	F5194	422940		1997	57046		00
	F5198	422950	11	1997	19917		00
	F5198	444120	20	1997	5478		00
	F5199	422990	10	1997	33019		00
	F5199	422990	20	1997	20477		00
	F5199	422990	30	1997	2966		00
	F5199	422990	40	1997	36350		00
	F5199	541890	20	1997	29665		00
	G5211	444110		1997	283853		
	G5211	444190	11	1997	151512		
	G5211	444190	23	1997	88271		
	G5231	444120	10	1997	38039		
	G5231	444190	21	1997	12258		
	G5251	444130		1997	137831		
	G5261	444210	10	1997	20202		
	G5261	444220	10	1997	57990		
	G5271	453930		1997	40401		
	G5311	452110	10	1997	414940		
	G5311	452110	20	1997	1031941		
	G5311	452110	30	1997	348696		
	G5311	452910	21	1997	296378		
	G5331	452990	10	1997	0 m		
	G5399	452910	10	1997	127532		
	G5399	452990	20	1997	0 l		
	G5399	452990	31	1997	100486		
	G5411	445110	10	1997	2474678		
	G5411	445110	20	1997	15043		
	G5411	445120		1997	153887		

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Expression Builder

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Criteria:		Like "25*" Or Like "33"					
or:							



SIClist4ADJ : Table

	SIC	SICmod	NAICS	PT	OPTYPE	YEAR	EMP	EMPF
	D3494	3494	332999	30		1997	564	
	D3495	3495	332612			1997	18798	
	D3495	3495	334518	10		1997	175	c est
	D3496	3496	332618	30		1997	41821	
	D3497	3497	322225			1997	4967	
	D3497	3497	332999	40		1997	5648	
	D3498	3498	332996	20		1997	29364	
	D3499	3499	332117			1997	10760	
	D3499	3499	332439	40		1997	2331	
	D3499	3499	332510	20		1997	3401	
	D3499	3499	332919	30		1997	375	e est
	D3499	3499	332999	50		1997	63736	
	D3499	3499	337215	40		1997	1295	
	D3499	3499	339914	20		1997	568	
	D3511	3511	333611			1997	19529	
	D3519	3519	333618	10		1997	56338	l est*
	D3519	3519	336399	10		1997	896	
	D3523	3523	332212	20		1997	60	b est
	D3523	3523	332323	30		1997	3082	
	D3523	3523	333111			1997	66370	
	D3523	3523	333922	10		1997	320	
	D3524	3524	332212	30		1997	60	b est
	D3524	3524	333112			1997	28617	
	D3531	3531	333120			1997	74965	
	D3531	3531	333923	10		1997	10263	
	D3531	3531	336510	10		1997	2379	
	D3532	3532	333131			1997	13547	
	D3533	3533	333132			1997	29451	
	D3534	3534	333921			1997	9442	
	D3535	3535	333922	20		1997	39279	

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NAICS	SIC	Pt	Description	lish-ments	shipments (\$1,000)	Paid employees	payroll (\$1,000)
3336			Engine, turbine, & power transmission equipment mfg	952	30,090,403	113,712	4,642,042
33361			Engine, turbine, & power transmission equipment mfg	952	30,090,403	113,712	4,642,042
333611			Turbine & turbine generator set unit mfg	86	5,783,057	19,529	910,316
	3511	97/92	Turbines & turbine generator sets	86	5,783,057	19,529	910,316
333612			Speed changer, industrial high-speed drive, & gear mfg	268	2,402,392	16,231	597,248
	3566	97/92	Speed changers, drives, & gears	268	2,402,392	16,231	597,248
333613			Mechanical power transmission equipment mfg	299	3,301,091	21,604	770,962
	3568	97/92	Power transmission equipment, n.e.c.	299	3,301,091	21,604	770,962
333618			Other engine equipment mfg	299	18,603,863	56,348	2,363,516
	3519	10	Internal combustion engines, n.e.c. (pt)	297	D	(50k-99999)	D
	3699	40	Electrical equipment & supplies, n.e.c. (pt)	2	D	(1-19)	D
NAICS	SIC	Pt	Description	Estab-lish-ments	Value of shipments (\$1,000)	Paid employees	Annual payroll (\$1,000)
3339			Other general-purpose machinery mfg	7,002	62,293,503	354,258	13,157,682
33391			Pumps & compressors mfg	974	12,775,050	69,407	2,644,706

http://www.census.gov/epcd/ec97sic/def/D3568.TXT

Start | C:\AREA... | Inbox for... | Documen... | Bridge B... | 2 Micro... | Presenta... | 5:50 PM

Edit View Insert Query Tools Window Help

SICtoNAICS : Database

Open Design New

Objects

Tables
Queries

Create query in Design view

Create query by using wizard

AREthereNAICSchanges

EMPLOYMENTfunction

NAICS1 : Select Query

E97B1

ESTABF
ECVALUE
ECVALUEF
PAY
PAYF
EMP

Expression Builder

NaicsNum: NAICS

+ - / * & = > < <> And Or Not Like ()

NAICS1

Tables
Queries
Forms
Reports
Functions
Constants
Operators
Common Expressions

TEXT

NAICS
NaicsNum
SIC
PT
YEAR
EMP
EMPF

<Value>

OK
Cancel
Undo
Paste
Help

Field:

Table:

Sort:

Show:

Criteria:

or:

TEXT	NAICS	NaicsNum: NAICS	SIC	PT	YEAR	EMP	EMPF
E97B1	E97B1	E97B1	E97B1	E97B1	E97B1	E97B1	E97B1
☒	☒	☒	☒	☒	☒	☒	☒

NUM



SICtoNAICS - Database

NAICS2 : Table

	TEXT	NAICS	NaicsNum	SIC	PT	YEAR	EMP	EMPF
	Potash, soda, &	212391	212391	B1474		1997	4805	
	Phosphate rock	212392	212392			1997	3858	
	Phosphate rock	212392	212392	B1475		1997	3858	
	Other chemical	212393	212393			1997	2160	
	Chemical & ferti	212393	212393	B1479		1997	2160	
	All other nonme	212399	212399			1997	3960	
	Miscellaneous r	212399	212399	B1499	20	1997	3960	
	Support activitie	213	213			1997	168806	
	Support activitie	213	213			0000	168806	
	Support activitie	2131	2131			1997	168806	
	Support activitie	2131	2131			0000	168806	
	Support activitie	21311	21311			1997	168806	
	Drilling oil & gas	213111	213111			1997	52858	
	Drilling oil & gas	213111	213111	B1381		1997	52858	
	Support activitie	213112	213112			1997	106118	
	Oil & gas explor	213112	213112	B1382	10	1997	4132	
	Oil & gas field s	213112	213112	B1389		1997	101986	
	Support activitie	213113	213113			1997	4993	
	Coal mining ser	213113	213113	B1241		1997	4993	
	Support activitie	213114	213114			1997	3025	
	Metal mining se	213114	213114	B1081	10	1997	3025	
	Support activitie	213115	213115			1997	1812	
	Nonmetallic mir	213115	213115	B1481	10	1997	1812	
	Utilities	22	22			1997	702703	
	Utilities	22	22			0000	702703	
	Utilities	221	221			1997	702703	
	Utilities	221	221			0000	702703	
	Electric power g	2211	2211			1997	564525	
	Electric power g	2211	2211			0000	564525	
	Electric power c	22111	22111			1997	148686	

Record: 1 of 5002



SICtoNAICS : Database

Open Design New

Objects
Tables
Queries

Create query in Design view
Create query by using wizard
AREthereNAICSchanges

NAICS3 : Select Query

NAICS2

NAICS
NaicsNum
SIC
PT
YEAR
EMP
EMPF


Field:	TEXT	NAICS	NaicsNum	SIC	PT	YEAR	EMP	EMPF
Table:	NAICS2	NAICS2	NAICS2	NAICS2	NAICS2	NAICS2	NAICS2	NAICS
Sort:			Ascending					
Show:	☒	☒	☒	☒	☒	☒	☒	
Criteria:			>99999	Is Null				
or:								



CtoNAICS : Database

Open Design New

Objects Create table in Design view SIClist4ADJ

Tables Create table by using wizard

Queries Create table by entering data

Forms E97B1

Reports E97B2

Pages NAICS2

Macros NAICS4

Modules NAICS4ex

Groups NAICSCha

Favorites SICfractO

SIClist2

SIClist4

NAICS4 : Table

	TEXT	NAICS	NaicsNum	SIC	PT	YEAR	EMP	EMPF
	Crude petroleum	211111	211111			1997	100333	
	Natural gas liqu	211112	211112			1997	10548	
	Bituminous coal	212111	212111			1997	36632	
	Bituminous coal	212112	212112			1997	50192	
	Anthracite minir	212113	212113			1997	1141	
	Iron ore mining	212210	212210			1997	7920	
	Gold ore mining	212221	212221			1997	17512	
	Silver ore mining	212222	212222			1997	780	
	Lead ore & zinc	212231	212231			1997	2127	
	Copper ore & ni	212234	212234			1997	13745	
	Uranium-radium	212291	212291			1997	695	
	All other metal c	212299	212299			1997	2688	
	Dimension stone	212311	212311			1997	1658	
	Crushed & brok	212312	212312			1997	27563	
	Crushed & brok	212313	212313			1997	6812	
	Other crushed &	212319	212319			1997	8019	
	Construction sa	212321	212321			1997	26837	
	Industrial sand r	212322	212322			1997	2803	
	Kaolin & ball cl	212324	212324			1997	3630	
	Clay & ceramic	212325	212325			1997	3782	
	Potash, soda, &	212391	212391			1997	4805	
	Phosphate rock	212392	212392			1997	3858	
	Other chemical	212393	212393			1997	2160	

Record: 1 of 1184

ICtoNAICS : Database								
SICfractOFnaics : Table								
	SICmod	NAICS	SIClist4ADJ_EI	SIClist4ADJ_EI	NAICS4_EMP	NAICS4_EMPF	EMPfract	TEXT
	3492	332912	37132		37132		1	Fluid power valve & hose fitting mfg
	3493	332611	5381		5381		1	Spring (heavy gauge) mfg
	3494	332919	17652		18739		0.94199263568	Other metal valve & pipe fitting mfg
	3494	332999	564		79070		0.0071329202	All other miscellaneous fabricated meta
	3495	332612	18798		18798		1	Spring (light gauge) mfg
	3495	334518	175 c est		6333		0.02763303332	Watch, clock, & part mfg
	3496	332618	41821		46174		0.90572616624	Other fabricated wire product mfg
	3497	332999	5648		79070		0.07143037815	All other miscellaneous fabricated meta
	3497	322225	4967		4967		1	Laminated aluminum foil mfg for flexible
	3498	332996	29364		29364		1	Fabricated pipe & pipe fitting mfg
	3499	332439	2331		14922		0.15621230398	Other metal container mfg
	3499	332510	3401		74285		0.04578313253	Hardware mfg
	3499	332919	375 e est		18739		0.02001174022	Other metal valve & pipe fitting mfg
	3499	332999	63736		79070		0.80607057038	All other miscellaneous fabricated meta
	3499	337215	1295		75382		0.01717916744	Showcase, partition, shelving, & locker
	3499	339914	568		14573		0.03897618884	Costume jewelry & novelty mfg
	3499	332117	10760		10760		1	Powder metallurgy part mfg
	3511	333611	19529		19529		1	Turbine & turbine generator set unit mfg
	3519	333618	56338 l est*		56348		0.99982253141	Other engine equipment mfg
	3519	336399	896		174465		0.00513570057	All other motor vehicle parts mfg
	3523	333111	66370		66370		1	Farm machinery & equipment mfg
	3523	332323	3082		34391		0.08961646943	Ornamental & architectural metal work
	3523	332212	60 b est		50388		0.00119075970	Hand & edge tool mfg
	3523	333922	320		39599		0.00808101215	Conveyor & conveying equipment mfg
	3524	332212	60 b est		50388		0.00119075970	Hand & edge tool mfg

Record: 131 of 402



Cbp04NCfulloriginal : Table

	Fiel	Fie	Field3	Field4	Field5	Field6	Field7	Field8	Field9	Field10	Field11	Field12	Field13	Field14	Field15	Field16	Field	Fie
			naics	empfla														ctytxt
	37	1	-----		57848	406411	1684771	3286	1629	677	433	340	111	69	19	5	3	Alama
	37	1	11----	A	0	0	0	4	2	2	0	0	0	0	0	0	0	Alama
	37	1	113///	A	0	0	0	3	2	1	0	0	0	0	0	0	0	Alama
	37	1	1133//	A	0	0	0	3	2	1	0	0	0	0	0	0	0	Alama
	37	1	11331/	A	0	0	0	3	2	1	0	0	0	0	0	0	0	Alama
	37	1	113310	A	0	0	0	3	2	1	0	0	0	0	0	0	0	Alama
	37	1	115///	A	0	0	0	1	0	1	0	0	0	0	0	0	0	Alama
	37	1	1151//	A	0	0	0	1	0	1	0	0	0	0	0	0	0	Alama
	37	1	11511/	A	0	0	0	1	0	1	0	0	0	0	0	0	0	Alama
	37	1	115114	A	0	0	0	1	0	1	0	0	0	0	0	0	0	Alama
	37	1	21----	B	0	0	0	3	0	0	2	1	0	0	0	0	0	Alama
	37	1	212///	B	0	0	0	3	0	0	2	1	0	0	0	0	0	Alama
	37	1	2123//	B	0	0	0	3	0	0	2	1	0	0	0	0	0	Alama
	37	1	21231/	B	0	0	0	2	0	0	2	0	0	0	0	0	0	Alama
	37	1	212313	B	0	0	0	2	0	0	2	0	0	0	0	0	0	Alama
	37	1	21232/	B	0	0	0	1	0	0	0	1	0	0	0	0	0	Alama
	37	1	212321	B	0	0	0	1	0	0	0	1	0	0	0	0	0	Alama
	37	1	22----		129	1791	6603	5	0	0	3	1	1	0	0	0	0	Alama
	37	1	221///		129	1791	6603	5	0	0	3	1	1	0	0	0	0	Alama
	37	1	2211//	B	0	0	0	1	0	0	0	0	1	0	0	0	0	Alama
	37	1	22112/	B	0	0	0	1	0	0	0	0	1	0	0	0	0	Alama
	37	1	221122	B	0	0	0	1	0	0	0	0	1	0	0	0	0	Alama
	37	1	2212//	B	0	0	0	3	0	0	2	1	0	0	0	0	0	Alama
	37	1	22121/	B	0	0	0	3	0	0	2	1	0	0	0	0	0	Alama
	37	1	221210	B	0	0	0	3	0	0	2	1	0	0	0	0	0	Alama
	37	1	2213//	A	0	0	0	1	0	0	1	0	0	0	0	0	0	Alama
	37	1	22131/	A	0	0	0	1	0	0	1	0	0	0	0	0	0	Alama
	37	1	221310	A	0	0	0	1	0	0	1	0	0	0	0	0	0	Alama
	37	1	23----		3689	21986	107692	467	285	90	53	31	5	1	2	0	0	Alama

Record: 1 of 82528



FMD_FMS_2004chn - Database

Cbp04ncfull : Table

ID	fipsta	fipscty	naics	empfla	emp	est	n1_4	n5_9	n10_19	n20_49	n50_99	n100_249	n250_499	n500_999
1	37	001			57848	3286	1629	677	433	340	111	69	19	
2	37	001		A	0	4	2	2	0	0	0	0	0	
3	37	001		A	0	3	2	1	0	0	0	0	0	
4	37	001		A	0	3	2	1	0	0	0	0	0	
5	37	001		A	0	3	2	1	0	0	0	0	0	
6	37	001	113310	A	0	3	2	1	0	0	0	0	0	
7	37	001		A	0	1	0	1	0	0	0	0	0	
8	37	001		A	0	1	0	1	0	0	0	0	0	
9	37	001		A	0	1	0	1	0	0	0	0	0	
10	37	001	115114	A	0	1	0	1	0	0	0	0	0	
11	37	001		B	0	3	0	0	2	1	0	0	0	
12	37	001		B	0	3	0	0	2	1	0	0	0	
13	37	001		B	0	3	0	0	2	1	0	0	0	
14	37	001		B	0	2	0	0	2	0	0	0	0	
15	37	001	212313	B	0	2	0	0	2	0	0	0	0	
16	37	001		B	0	1	0	0	0	1	0	0	0	
17	37	001	212321	B	0	1	0	0	0	1	0	0	0	
18	37	001			129	5	0	0	3	1	1	0	0	
19	37	001			129	5	0	0	3	1	1	0	0	
20	37	001		B	0	1	0	0	0	0	1	0	0	
21	37	001		B	0	1	0	0	0	0	1	0	0	
22	37	001	221122	B	0	1	0	0	0	0	1	0	0	
23	37	001		B	0	3	0	0	2	1	0	0	0	
24	37	001		B	0	3	0	0	2	1	0	0	0	
25	37	001	221210	B	0	3	0	0	2	1	0	0	0	
26	37	001		A	0	1	0	0	1	0	0	0	0	
27	37	001		A	0	1	0	0	1	0	0	0	0	
28	37	001	221310	A	0	1	0	0	1	0	0	0	0	
29	37	001			3689	467	285	90	53	31	5	1	2	
30	37	001			516	119	87	20	8	4	0	0	0	

Record: 1 of 82527

Expression Builder

NAICSdescript: [Cbp04ncfull]![naicstxt] &
[Cbp04ncfull]![Field21] & [Cbp04ncfull]![Field22] &
[Cbp04ncfull]![Field23]

+ - / * & = > < <> And Or Not Like () Paste Help

ModCBP04NC
Tables
Queries
Forms
Reports
Functions
Constants
Operators
Common Expressions

ID
fipstate
fipscty
naics
empflag
emp
est
n1_4
n5_9
n10_19
n20_49

<Value>

Field:	n50_99	n100_249	n250_499	n500_999	n1000	NAICSdescript: [Cbp04ncfull]![naicstxt]		
Table:	Cbp04ncfull	Cbp04ncfull	Cbp04ncfull	Cbp04ncfull	Cbp04ncfull			
Port:								
Join:	☒	☒	☒	☒	☒	☒	☐	
Criteria:								
Order:								

Q48 =H48*3+I48*7+J48*15+K48*35+L48*75

B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
fi	st	fi	naics	emp	emp	est	n1_4	n5_9	n10_19	n20_49	n50_99	n100_249	n250_499	n500_999	n1000	EST1_1-99	EST100+emp	NAICSdescrip
37	001	311999	B	0	1	0	0	0	1	0	0	0	0	0	0	35	0	All Other Misc
37	001	312130	A	0	1	1	0	0	0	0	0	0	0	0	0	3	0	Wineries
37	001	312221	E	0	1	0	0	0	0	0	0	0	1	0	0	0	375	Cigarette Man
37	001	313111		202	3	0	0	1	0	1	1	0	0	0	0	90	175	Yarn Spinning
37	001	313112		531	4	0	0	0	1	0	3	0	0	0	0	35	525	"Yarn Texturizi
37	001	313210		731	6	1	0	0	1	1	2	1	0	0	0	113	725	Broadwoven F
37	001	313221	B	0	2	1	0	0	0	1	0	0	0	0	0	78	0	Narrow Fabric
37	001	313241	B	0	2	0	0	2	0	0	0	0	0	0	0	30	0	Wefit Knit Fabri
37	001	313249		618	7	0	2	0	0	2	3	0	0	0	0	164	525	Other Knit Fab
37	001	313311	F	0	8	1	1	0	1	1	4	0	0	0	0	120	700	Broadwoven F
37	001	313312	C	0	2	0	0	0	0	1	1	0	0	0	0	75	175	Textile and Fa
37	001	314121	B	0	2	1	0	0	1	0	0	0	0	0	0	38	0	Curtain and Dr
37	001	314129	F	0	1	0	0	0	0	0	0	0	0	1	0	0	750	Other Househ
37	001	314911	A	0	1	0	0	1	0	0	0	0	0	0	0	15	0	Textile Bag Mi
37	001	314912	A	0	1	1	0	0	0	0	0	0	0	0	0	3	0	Canvas and R
37	001	314991	A	0	1	1	0	0	0	0	0	0	0	0	0	3	0	"RopeCordag
37	001	314999	B	0	5	3	0	0	1	1	0	0	0	0	0	119	0	All Other Misc
37	001	315111		565	8	2	0	0	1	3	2	0	0	0	0	266	350	Sheer Hosiery
37	001	315119		2311	20	1	0	3	8	2	4	1	1	0	0	478	1825	Other Hosiery
37	001	315211	A	0	1	0	1	0	0	0	0	0	0	0	0	7	0	Men's and Bo
37	001	315212	B	0	2	1	0	0	1	0	0	0	0	0	0	38	0	"Women'sGirl:
37	001	315299	A	0	3	0	3	0	0	0	0	0	0	0	0	21	0	All Other Cut a
37	001	315992	A	0	1	0	0	1	0	0	0	0	0	0	0	15	0	Glove and Mitt
37	001	316999	A	0	1	1	0	0	0	0	0	0	0	0	0	3	0	All Other Leath
37	001	321113		179	5	0	1	1	2	1	0	0	0	0	0	167	0	Sawmills
37	001	321214	C	0	2	0	0	1	0	0	1	0	0	0	0	15	175	Truss Manufac
37	001	321911	B	0	1	0	0	0	0	1	0	0	0	0	0	75	0	Wood Window
37	001	321920	A	0	1	1	0	0	0	0	0	0	0	0	0	3	0	Wood Contain
37	001	322212	E	0	1	0	0	0	0	0	0	1	0	0	0	0	375	Folding Paper
37	001	322213	B	0	1	0	0	0	1	0	0	0	0	0	0	35	0	Setup Paperb
37	001	322214	C	0	1	0	0	0	0	0	1	0	0	0	0	0	175	"Fiber CanTuk
37	001	322222	C	0	1	0	0	0	0	0	1	0	0	0	0	0	175	Coated and Le
37	001	322299	A	0	1	0	1	0	0	0	0	0	0	0	0	7	0	All Other Conv
37	001	323110		233	10	3	2	2	1	2	0	0	0	0	0	238	0	Commercial Li

CBP Employment Adjustments

Actual Employees Given & No Large Establishments

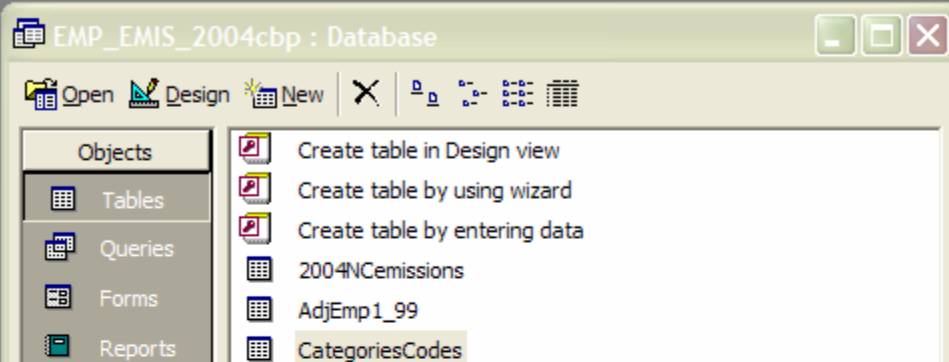
Number of Small Establishments $\geq$ Employees

Only Ranges of Employees Given

Actual Employees Given & Includes Large Establishments

E	F	Q	R	S	T	U	V	W	X	Y	Z
empflag	emp	EST1_1-99emp	EST100+emp	leastLarge	emp-leastLG	emp-EST1_99	TOOlarge?	BestEstEmpl1_99	NAICSdescript		
	3992	4478	350	200	3792	-486	-686	3792	Child Day Care Services		
	5258	5450	725	450	4808	-192	-642	4808	Limited-Service Restaurants		
	3869	4165	525	300	3569	-296	-596	3569	Offices of Lawyers		
	2546	2882	375	250	2296	-336	-586	2296	Insurance Agencies and Brokerages		
	5974	5958	1050	600	5374	16	-584	5374	Offices of Physicians (except Ambulatory)		
	3486	3966	175	100	3386	-480	-580	3386	Child Day Care Services		
	1369	1844	175	100	1269	-475	-575	1269	New Single-Family Housing		
	5754	5426	1450	900	4854	328	-572	4854	Limited-Service Restaurants		
	5517	5356	1225	700	4817	161	-539	4817	Full-Service Restaurants		
	3826	4148	350	200	3626	-322	-522	3626	Limited-Service Restaurants		
	1906	2224	350	200	1706	-318	-518	1706	Offices of Real Estate Agents and Brokers		
	2586	2878	350	200	2386	-292	-492	2386	Landscaping Services		
	6365	5575	2000	1250	5115	790	-460	5115	Religious Organizations		
	2827	2876	700	400	2427	-49	-449	2427	Limited-Service Restaurants		
	5629	5372	1225	700	4929	257	-443	4929	Full-Service Restaurants		
	3383	3709	175	100	3283	-326	-426	3283	Limited-Service Restaurants		
	9411	8480	2300	1350	8061	931	-419	8061	Full-Service Restaurants		
	1142	1455	175	100	1042	-313	-413	1042	New Single-Family Housing		
	1841	1487	1125	750	1091	354	-396	1091	Administrative Management and General		
	1604	1897	175	100	1504	-293	-393	1504	Insurance Agencies and Brokerages		
	1378	1663	175	100	1278	-285	-385	1278	Beauty Salons		
	4807	4385	1400	800	4007	422	-378	4007	Industrial Machinery and Equipment		
	1461	1732	175	100	1361	-271	-371	1361	Beauty Salons		
	3511	3661	350	200	3311	-150	-350	3311	Engineering Services		
	1695	1906	175	100	1595	-211	-311	1595	Offices of Lawyers		
	4600	4307	1050	600	4000	293	-307	4000	Engineering Services		
	15052	12509	4925	2850	12202	2543	-307	12202	Full-Service Restaurants		
	1826	1924	350	200	1626	-98	-298	1626	Limited-Service Restaurants		
	5069	4760	1050	600	4469	309	-291	4469	Full-Service Restaurants		
	1718	1797	350	200	1518	-79	-279	1518	Religious Organizations		
	2615	2188	1100	700	1915	427	-273	1915	Computer Systems Design and Related		
	830	1002	175	100	730	-172	-272	730	Wholesale Trade Agents and		
	1553	1720	175	100	1453	-167	-267	1453	Full-Service Restaurants		
	2210	2114	550	350	1860	96	-254	1860	Full-Service Restaurants		

E	F	Q	R	S	T	U	V	W	X	Y	Z
empflag	emp	EST1_1-99emp	EST100+emp	leastLarge	emp-leastLG	emp-EST1_99	TOOlarge?	BestEstEmpl1_99	NAICSdescript		
	255	83	175	100	155	172	72	83	Office Administrative Service		
	450	278	175	100	350	172	72	278	Home Health Care Service		
	391	68	375	250	141	323	73	68	Folding Paperboard Box M		
	5027	3554	2325	1400	3627	1473	73	3554	Hotels (except Casino Hot		
	373	99	350	200	173	274	74	99	Temporary Help Services		
	232	57	175	100	132	175	75	57	Home Health Care Service		
	303	128	175	100	203	175	75	128	Sheet Metal Work Manufac		
	513	338	175	100	413	175	75	338	Hotels (except Casino Hot		
	803	628	175	100	703	175	75	628	Office Equipment Merchant		
	310	35	350	200	110	275	75	35	Home Centers		
	564	239	375	250	314	325	75	239	Offices of Real Estate Ager		
	1018	693	375	250	768	325	75	693	Roofing Contractors		
	213	37	175	100	113	176	76	37	Services for the Elderly and		
	228	52	175	100	128	176	76	52	Computer Systems Design		
	239	63	175	100	139	176	76	63	Medical Laboratories		
	266	90	175	100	166	176	76	90	Sawmills		
	279	103	175	100	179	176	76	103	Surgical Appliance and Su		
	292	16	350	200	92	276	76	16	Other Individual and Family		
	228	51	175	100	128	177	77	51	"Piece GoodsNotionsand (		
	275	98	175	100	175	177	77	98	Machine Shops		
	359	82	350	200	159	277	77	82	Boat Building		
	840	513	375	250	590	327	77	513	"Offices of PhysicalOccupe		
	270	92	175	100	170	178	78	92	All Other Industrial Machine		
	514	336	175	100	414	178	78	336	Site Preparation Contractor		
	634	306	375	250	384	328	78	306	"Photography StudiosPortr		
	307	128	175	100	207	179	79	128	New Single-Family Housin		
	389	60	375	250	139	329	79	60	Professional and Manager		
	510	81	550	350	160	429	79	81	"Piece GoodsNotionsand (		
	630	201	550	350	280	429	79	201	"General Freight TruckingL		
	332	152	175	100	232	180	80	152	"GiftNoveltyand Souvenir S		
	477	147	375	250	227	330	80	147	Civic and Social Organizati		
	579	149	550	350	229	430	80	149	Other Scientific and Techni		
	1560	1080	700	400	1160	480	80	1080	Home Health Care Service		
	547	366	175	100	447	181	81	366	Service Establishment Fou		



CategoriesCodes : Table

ID	Category	listcode	SIC_codes	VOCem	Alphac	SCCproject	DaysAv	ContrlRec
1	Furniture and fixtures	1	25??	944	a	2401020000	5	0.3
2	Metal Containers	2	341?	6029	b	2401040000	5	0.36
3	Automobiles (new)	3	3711	794	c	2401070000	5	0.36
4	Machinery and Equipment	4	35??	77	d	2401055000	5	0.36
5	Appliances	5	363?	463	e	2401060000	5	0.36
6	Other Transportation Equipment	6	37?? except 3711 and 373?	35	f	2401085000	5	0.36
7	Sheet, Strip, and Coil	7	3479	2877	g	2401045000	5	0.36
8	Factory Finished Wood	8	2426-9, 243?-245?, 2493, 2499	131	h	2401015000	5	0.36
9	Electrical Insulation	9	3357, 3612	290	i	2401065000	5	0.36
10	Marine Coatings	10	373?	308	j	2401080000	5	0.24
11	Automobile Repair, Cold Cleaning	11	417?, 423?, 551?, 552?, 554? - 556?, 753?	270	k	2415360000	6	0.43
12	Manufacturing, Cold Cleaning	12	25??, 33?? - 39??	24	l	2415300000	6	0.43
13	Electronics and Electrical, Vapor	13	36??	29	m	2415130000	6	0.31
14	Other, Vapor and In-Line Cleaning	14	25??, 33??-39??, 417?, 423?, 551?, 552?, 554? - 556?, 773?	9.8	n	2415100000	6	0.31
15	Automobile refinishing	15	7532	774	o	2401005000	5	0.37
16	Dry cleaning, coin operated	16	7215	1800	p	2420020000	6	0
17	Dry cleaning, commercial	17	7216	1800	q	2420010000	6	0
lumber)							0	0

SICemploymentEMIS : Select Query

AdjEmp1_99

*
 ID
 fipstate
 fipscty
 naics
 BestEstEmpl1_99
 NAICSdescript

SICfractOFnaics

*
 SICmod
 NAICS
 SIClist4ADJ_EMP
 SIClist4ADJ_EMPF
 NAICS4_EMP
 NAICS4_EMPF
 EMPfract
 TEXT

CategoriesCodes

*
 ID
 Category
 listcode
 SIC_codes
 VOCemisFact
 AlphaCode
 SCCproject

Field:	fipscty	Employees: Sum([A	Category	listcode	VOCemisFact	EMISlbyr: Sum([Adj	AlphaCode	SICmod	listcode
Table:	AdjEmp1_99		CategoriesCodes	CategoriesCo	CategoriesCo	Expression	CategoriesCodes	SICfractOFnaics	CategoriesCod
Total:	Group By	Expression	First	Group By	First	Expression	Group By	Where	Where
Sort:	Ascending			Ascending			Ascending		
Show:	☒	☒	☒	☒	☒	☒	☐	☐	☐
Criteria:									
or:									

Expression Builder

Employees: Sum([AdjEmp1_99]![BestEstEmpl1_99]*[SICfractOFnaics]![EMPfract])

+ - / * & = > < <> And Or Not Like ()

SICemploymentEMIS

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Common Expressions

fipscty
 Employees
 FirstOfCategory
 listcode
 FirstOfVOCemisFact
 EMISlbyr

<Value>

? X
 OK
 Cancel
 Undo
 Paste
 Help

SICemploymentEMIS : Select Query

AdjEmp1_99

*
ID
fipstate
fipscty
naics
BestEstEmpl1_99
NAICSdescript

SICfractOFnaics

*
SICmod
NAICS
SIClist4ADJ_EMP
SIClist4ADJ_EMPF
NAICS4_EMP
NAICS4_EMPF
EMPfract
TEXT

CategoriesCodes

*
ID
Category
listcode
SIC_codes
VOCemisFact
AlphaCode
SCCproject

Field:	fipscty	Employees: Sum([A	Category	listcode	VOCemisFact	EMISlbyr: Sum([Adj	AlphaCode	SICmod	listcode
Table:	AdjEmp1_99		CategoriesCodes	CategoriesCo	CategoriesCo		CategoriesCodes	SICfractOFnaics	CategoriesCod
Total:	Group By	Expression	First	Group By	First	Expression	Group By	Where	Where
Sort:	Ascending			Ascending			Ascending		
Show:	☒	☒	☒	☒	☒	☒	☐	☐	☐
Criteria:									
or:									

Expression Builder

EMISlbyr:

Sum([AdjEmp1_99].[BestEstEmpl1_99]*[SICfractOFnaics].[EMPfract]*[CategoriesCodes].[VOCemisFact])

+ - / * & = > < <> And Or Not Like ()

SICemploymentEMIS

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Operators
Common Expressions

fipscty

Employees

FirstOfCategory

listcode

FirstOfVOCemisFact

EMISlbyr

<Value>

OK

Cancel

Undo

Help

Paste

Like "25??"	"1"
Like "341?"	"2"
"3711"	"3"
Like "35??"	"4"
Like "363?"	"5"
Like "37??" And Not Like	"6"
"3479"	"7"
"2426" Or "2427" Or "2	"8"
"3357" Or "3612"	"9"
Like "373?"	"10"
Like "417?" Or Like "42:	"11"
Like "25??" Or Like "33?	"12"
Like "36??"	"13"
Like "25??" Or Like "33?	"14"
"7532"	"15"
"7215"	"16"
"7216"	"17"

start

areaPAPER

Microsoft PowerPo...

EMP_EMIS_2004c...

SICemploymentEM...

NUM



Field:	AlphaCode	SICmod	listcode	
Table:	CategoriesCodes	SICfractOFnaics	CategoriesCodes	
Total:	Group By	Where	Where	
Sort:	Ascending			
Show:	☐	☐	☐	☐
Criteria:		Like "25??"	"1"	
or:		Like "341?"	"2"	
		"3711"	"3"	
		Like "35??"	"4"	
		Like "363?"	"5"	
		Like "37??" And Not Like "3711" And Not Like "373?"	"6"	
		"3479"	"7"	
		"2426" Or "2427" Or "2428" Or "2429" Or Like "243?" Or Like "244?" Or Like "245?" Or "2493" Or "2499"	"8"	
		"3357" Or "3612"	"9"	
		Like "373?"	"10"	
		Like "417?" Or Like "423?" Or Like "551?" Or Like "552?" Or Like "554?" Or Like "555?" Or Like "556?" Or Like "753?"	"11"	
		Like "25??" Or Like "33??" Or Like "34??" Or Like "35??" Or Like "36??" Or Like "37??" Or Like "38??" Or Like "39??"	"12"	
		Like "36??"	"13"	
		Like "25??" Or Like "33??" Or Like "34??" Or Like "35??" Or Like "36??" Or Like "37??" Or Like "38??" Or Like "39??" Or Like "7532"	"14"	
		"7215"	"15"	
		"7216"	"16"	
			"17"	



2004NCemissions : Table

	fipscty	Employees	FirstOfCategory	listcode	FirstOfVOCemi	EMISlbyr
▶	001	133.882646088	Furniture and fixtures	1	944	126385.217907
	001	1.15976875776	Marine Coatings	10	308	357.208777391
	001	1564.38799297	Automobile Repair, Cold Cleaning	11	270	422384.758102
	001	1116.87118381	Manufacturing, Cold Cleaning	12	24	26804.9084115
	001	174.179722953	Electronics and Electrical, Vapor and In-L	13	29	5051.21196564
	001	2681.25917678	Other, Vapor and In-Line Cleaning	14	9.8	26276.3399325
	001	96	Automobile refinishing	15	774	74304
	001	18	Dry cleaning, coin operated	16	1800	32400
	001	112.557864725	Dry cleaning, commercial	17	1800	202604.156504
	001	15	Automobiles (new)	3	794	11910
	001	237.182214603	Machinery and Equipment	4	77	18263.0305245
	001	35	Appliances	5	463	16205
	001	32.9643589713	Other Transportation Equipment	6	35	1153.75256399
	001	38	Sheet, Strip, and Coil	7	2877	109326
	001	109.984895959	Factory Finished Wood	8	131	14408.0213706
	003	646.705068278	Furniture and fixtures	1	944	610489.584454
	003	269.25987162	Automobile Repair, Cold Cleaning	11	270	72700.1653373
	003	799.822235843	Manufacturing, Cold Cleaning	12	24	19195.7336602
	003	15	Electronics and Electrical, Vapor and In-L	13	29	435
	003	1069.08210746	Other, Vapor and In-Line Cleaning	14	9.8	10477.0046531
	003	13	Automobile refinishing	15	774	10062
	003	3	Dry cleaning, coin operated	16	1800	5400
	003	4.89382020542	Dry cleaning, commercial	17	1800	8808.87636976
	003	101.512667428	Machinery and Equipment	4	77	7816.47539198
	003	224.614877625	Factory Finished Wood	8	131	29424.5489689
	005	6.29574740321	Furniture and fixtures	1	944	5943.18554863
	005	108.026830869	Automobile Repair, Cold Cleaning	11	270	29167.2443347
	005	147.839807724	Manufacturing, Cold Cleaning	12	24	3548.15538538
	005	255.866638593	Other, Vapor and In-Line Cleaning	14	9.8	2507.49305821
	005	6	Automobile refinishing	15	774	4644

Record: 1 of 1139



EGAS_040508111417 : Table

	SCC	FIPS	2005	2008	2011	2014	2017
▶	10100101	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100102	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100201	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100202	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100203	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100204	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100205	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100211	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100212	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100215	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100217	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100218	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100221	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100222	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100223	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100224	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100225	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100226	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100235	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100237	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100238	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100300	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100301	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100302	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100303	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100304	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100306	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100316	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100317	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484
	10100318	37	1.031957865	1.144645572	1.183170199	1.194561839	1.202744484

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EMP_EMIS_2004cbp : Database

PROJemis2005 : Select Query

2004NCe...

*
fipscty
Employees
FirstOfCategory
listcode
FirstOfVOCemisF
EMISlbyr

CategoriesCodes

Category
listcode
SIC_codes
VOCemisFact
AlphaCode
SCCproject
DaysAweek
ContrlRedu

EGAS_040508111...

*
SCC
FIPS
2005
2008
2011
2014
2017

Field:	fipscty	FirstOfCategory	Employees	EMISlbyr	listcode	ContrlRedu	2005tonsYR: [2004]
Table:	2004NCemissions	2004NCemissions	2004NCemissions	2004NCemissions	2004NCemissions	CategoriesCodes	
Sort:	Ascending				Ascending		
Show:	☒	☒	☒	☒	☒	☒	☒
Criteria:							
or:							

Expression Builder

2005tonsYR:
[2004NCemissions].[EMISlbyr]*(1/2000)*(1-[CategoriesCodes].[ContrlRedu])*[EGAS_040508111417].[2005]

+ - / * & = > < <> And Or Not Like ()

PROJemis2005
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fipscty
FirstOfCategory
Employees
EMISlbyr
listcode
ContrlRedu
2005tonsYR

<Value>



OK

Cancel

Undo

Paste

Help



EMP_EMIS_2004cbp : Database

PROJemis2005 : Select Query

	fipscty	FirstOfCategory	Employees	EMISlbyr	listcode	ContrlRedu	2005tonsYR
▶	001	Furniture and fix	133.882646088	126385.217907	1	0.3	45.5728433272
	001	Marine Coatings	1.15976875776	357.208777391	10	0.24	0.13573933541
	001	Automobile Rep	1564.38799297	422384.758102	11	0.43	127.23434152
	001	Manufacturing, v	1116.87118381	26804.9084115	12	0.43	7.9281441497
	001	Electronics and	174.179722953	5051.21196564	13	0.31	1.85741517233
	001	Other, Vapor an	2681.25917678	26276.3399325	14	0.31	9.40797851528
	001	Automobile refin	96	74304	15	0.37	24.0217014863
	001	Dry cleaning, co	18	32400	16	0	16.321348287
	001	Dry cleaning, co	112.557864725	202604.156504	17	0	102.060895145
	001	Automobiles (ne	15	11910	3	0.36	4.00424318736
	001	Machinery and I	237.182214603	18263.0305245	4	0.36	6.52957473456
	001	Appliances	35	16205	5	0.36	5.31523987555
	001	Other Transport	32.9643589713	1153.75256399	6	0.36	0.38929338704
	001	Sheet, Strip, an	38	109326	7	0.36	36.5202155054
	001	Factory Finishe	109.984895959	14408.0213706	8	0.36	4.76600499927
	003	Furniture and fix	646.705068278	610489.584454	1	0.3	220.134495521
	003	Automobile Rep	269.25987162	72700.1653373	11	0.43	21.8993642352
	003	Manufacturing, v	799.822235843	19195.7336602	12	0.43	5.67756252627
	003	Electronics and	15	435	13	0.31	0.15995677977
	003	Other, Vapor an	1069.08210746	10477.0046531	14	0.31	3.75118585520

Record: 1 of 1139

