DRAFT

Norco College Veterans Resource Center
Initial Study and Mitigated Negative Declaration

Prepared for:

Riverside Community College District
3801 Market Street
Riverside, California 92501
Contact: Bart Doering, Facilities Development Director

Prepared by:

DUDEK
35544 University Avenue
Riverside, California 92501
Contact: Caitlin Munson, Project Manager

DECEMBER 2019

Printed on 30% post-consumer recycled material.

TABLE OF CONTENTS

Section **Page No.**

ACRONYMS AND ABBREVIATIONS ..... **V**

1 INTRODUCTION **1**
1.1 Background 1
1.2 Project Objectives 1
1.3 California Environmental Quality Act Authority to Prepare a Negative Declaration 1
1.4 List of Discretionary Actions 2
1.5 Other Agencies that May Use the Mitigated Negative Declaration 2
1.6 Public Review Process 2

2 PROJECT DESCRIPTION **5**
2.1 Project Location 5
2.2 Environmental Setting 5
2.3 Project Characteristics 6
2.3.1 Proposed Project 6
2.3.2 Proposed Operation 6
2.3.3 Project Construction and Schedule 7

3 INITIAL STUDY CHECKLIST **9**
3.1 Aesthetics 15
3.2 Agriculture and Forestry Resources 19
3.3 Air Quality 21
3.4 Biological Resources 40
3.5 Cultural Resources 49
3.6 Energy 52
3.7 Geology and Soils 60
3.8 Greenhouse Gas Emissions 66
3.9 Hazards and Hazardous Materials 77
3.10 Hydrology and Water Quality 86
3.11 Land Use and Planning 90
3.12 Mineral Resources 92
3.13 Noise 94
3.14 Population and Housing 106
3.15 Public Services 108
3.16 Recreation 110

TABLE OF CONTENTS (CONTINUED)

Section **Page No.**

3.17 Transportation and Traffic 111
3.18 Tribal Cultural Resources 114
3.19 Utilities and Service Systems 118
3.20 Wildfire 123
3.21 Mandatory Findings of Significance 126

4 REFERENCES AND PREPARERS 129
4.1 References Cited 129
4.2 List of Preparers 136

APPENDICES

A Air Quality / GHG / HRA
B Traffic Technical Memorandum
C Biological Resources Letter Report
D Cultural Resources Study
E Hazardous Materials Technical Study
F Noise Calculations and Field Notes

FIGURES

1 Project Location 137
2 Site Plan 139
3 Interior Layout 141
4 Visual Simulation 143
5 Noise Measurement and Modeling Locations 145

TABLE OF CONTENTS (CONTINUED)

Page No.

TABLES

1	Anticipated Construction Scenario	8
2	South Coast Air Quality Management District Air Quality Significance Thresholds	24
3	Construction Workers, Vendor Trips, and Equipment Use per Day	27
4	Estimated Maximum Daily Construction Criteria Air Pollutant Emissions – Unmitigated	28
5	Estimated Maximum Daily Operational Criteria Air Pollutant Emissions – Unmitigated	31
6	Construction Localized Significance Thresholds Analysis	34
7	AERMOD Principal Parameters	36
8	Construction Health Risk Assessment Results - Unmitigated	37
9	Impacts to Land Covers on the Project Site	41
10	Construction Equipment Diesel Demand	54
11	Construction Worker Gasoline Demand	54
12	Construction Vendor Diesel Demand	55
13	Construction Haul Truck Diesel Demand	55
14	Annual Mobile Source Gasoline Demand	57
15	Annual Mobile Source Diesel Demand	58
16	Estimated Annual Construction GHG Emissions	69
17	Estimated Annual Operational GHG Emissions	72
18	Typical Sound Levels in the Environment and Industry	94
19	Measured Noise Levels	97
20	Typical Construction Equipment Noise Emission Levels	100
21	Construction Noise Model Results Summary	101
22	Outdoor Events Noise Model Results Summary	104
23	Project Trip Generation	112

INTENTIONALLY LEFT BLANK

ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
AB	Assembly Bill
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
AQMP	Air Quality Management Plan
bgs	below ground surface
BMP	best management practice
CalEEMod	California Emissions Estimator Model
CAL FIRE	California Department of Forestry and Fire Protection
CALGreen	California Green Building Standards
Caltrans	California Department of Transportation
CARB	California Air Resources Board
Center	Veterans Resource Center
CEQA	California Environmental Quality Act
CH_4	methane
City	City of Norco
CNEL	community noise equivalent level
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
College	Norco College
dB	decibel
dBA	A-weighted decibel
DPM	diesel particulate matter
DTSC	Department of Toxic Substances Control
EIC	Eastern Information Center
EIR	Environmental Impact Report
EPA	U.S. Environmental Protection Agency
GHG	greenhouse gas
GWP	global warming potential
HRA	Health Risk Assessment
HVAC	heating, ventilation, and air conditioning
I	Interstate
ITE	Institute of Transportation Engineers
JFK-MCHS	John F. Kennedy Middle College High School
kBTU	kilo British thermal units
kWh	kilowatt-hour
LACM	Natural History Museum of Los Angeles County
Ld_n	day–night average noise level
L_{eq}	equivalent noise level over a given period

Acronym/Abbreviation	Definition
L_n	statistical sound level
LST	Localized Significance Threshold
MLD	Most Likely Descendant
MND	Mitigated Negative Declaration
MRZ	Mineral Resource Zone
MS4	Municipal Separate Storm Sewer System
MSHCP	Multiple Species Habitat Conservation Plan
MT	metric ton
mya	million years ago
NACH	Native American Heritage Commission
N_2O	nitrous oxide
NO_2	nitrogen dioxide
NO_x	oxides of nitrogen
O_3	ozone
PCB	Polychlorinated biphenyl
$PM_{2.5}$	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PM_{10}	particulate matter with an aerodynamic diameter less than or equal to 10 microns
PPV	peak particle velocity
PRIMP	Paleontological Resources Impact Mitigation Program
RCNM	Roadway Construction Noise Model
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SB	Senate Bill
SCS	Sustainable Communities Strategy
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SMP	Soil Management Plan
SO_x	sulfur oxide
SRA	Source–Receptor Area
STEM	Science, Technology, Engineering, and Math
SWPPP	stormwater pollution prevention plan
TCP	Traffic Control Plan
UWMP	Urban Water Management Plan
VMT	vehicle miles traveled
VOC	volatile organic compound
WMWD	Western Municipal Water District
WRCOG-CAP	Western Riverside County Council of Governments-Climate Action Plan
WQMP	water quality management plan

1 INTRODUCTION

1.1 Background

In 1964, voters approved the creation of the Riverside Community College District (District) and the election of a five-member Board of Trustees. The Norco campus opened in March 1991 (District 2018). The Veterans Resource Center (Center) first opened in 2010 and is currently located in the Student Services building on campus (Norco College 2018a). However, Norco College (College) recently recognized a need to provide a new Veterans Resource Center, with a college center, and a regional veterans center (Norco College 2017a).

Currently, the college serves over 300 students from the armed services and has been twice identified by the Military Times as a top-20 college for supporting veterans, one of only two California community colleges to make the ranking (Norco College 2017b). Over the next 6 years, school officials expect veterans' enrollment to increase from 300 to 3,000 students, in part through a national recruitment effort working with military bases (Wall 2017). In June 2017, the California legislature allocated $1.75 million for the project and $250,000 to create agreements that would give veterans up to 30 units of credit if their military training and experience match the college's curriculum (AMSCD60 2017). The proposed project would utilize these funds and allow the Veterans Resource Center to expand and enhance the programs and services it offers to student veterans.

1.2 Project Objectives

The proposed project has the following objectives:

- Construct a new Veterans Resource Center to accommodate the increase in veteran enrollment
- Expand Veterans Resource Center programming to include regional services

1.3 California Environmental Quality Act Authority to Prepare a Negative Declaration

The District is the California Environmental Quality Act (CEQA) lead agency responsible for the review and approval of the proposed project. Based on the findings of the Initial Study for the project, the District has determined that a mitigated negative declaration (MND) is the appropriate environmental document to prepare in compliance with CEQA (California Public Resources Code, Section 21000 et seq.). As stated in CEQA, Section 21064.5, an MND may be prepared for a project subject to CEQA when an initial study has identified no potentially significant effects on the environment.

This MND has been prepared for the District and complies with Section 15070(a) of the CEQA Guidelines (14 CCR 15000 et seq.). The purpose of the MND and the Initial Study Checklist (see Chapter 3 of this MND) is to determine any potentially significant impacts associated with the proposed project and to incorporate mitigation measures into the project design as necessary to reduce or eliminate the significant or potentially significant effects of the project.

1.4 List of Discretionary Actions

Approval of the following discretionary actions will be required to implement the proposed project: approval of the project by the District Board of Trustees.

1.5 Other Agencies that May Use the Mitigated Negative Declaration

This MND is also intended for use by responsible agencies that may have an interest in reviewing the project. All responsible agencies for the project, listed as follows, will therefore be involved in the review of this document:

- City of Norco
- Department of Toxic Substances Control

1.6 Public Review Process

In accordance with CEQA, a good-faith effort has been made during the preparation of this MND to contact affected agencies, organizations, and persons who may have an interest in this project.

In reviewing the MND, public agencies and the interested public should focus on the sufficiency of the document in identifying and analyzing the project's possible impacts on the environment. A copy of the Draft MND and related documents are available for review at the front desk of the District (see address below) between the hours of 8:00 a.m. to 5:00 p.m., Monday through Thursday, and 8:00 a.m. through 4:30 p.m. Friday.

Riverside Community College District
3801 Market Street
Riverside, California 92501

Comments on the MND may be made in writing before the end of the public review period. A 30-day review and comment period from December 10, 2019, to January 8, 2020, has been established in accordance with Section 15072(a) of the CEQA Guidelines. Following the close of the public comment period, the District will consider this MND and comments in determining whether to approve the proposed project.

Written comments on the MND should be received at the following address by 5:00 p.m., January 8, 2020.

Riverside Community College District
3801 Market Street
Riverside, California 92501
Contact: Bart Doering, Facilities Development Director
Telephone: 951.222.8962
Email: Bart.Doering@rccd.edu

INTENTIONALLY LEFT BLANK

2 PROJECT DESCRIPTION

2.1 Project Location

The proposed project site is located in the City of Norco (City), in the extreme northwestern portion of Riverside County, near a tri-county meeting point with Los Angeles and San Bernardino Counties (Figure 1, Project Location). The City is located about 50 miles south and east of Los Angeles, and regional access is provided via State Route 91 and Interstate (I-) 15. Nearby communities include Corona, Home Gardens, Mira Loma, El Cerrito, Pedley, Glen Avon, Ontario, Chino, and Riverside. The proposed project site is 3 acres and is located on the existing Norco College campus.

More specifically, the propose project site is located on the southeastern portion of the campus, south of Third Street and east of the existing Science, Technology, Engineering, and Mathematics (STEM) Center. The Norco Horse Trail runs parallel to Third Street and is adjacent to the northern border of the project site.

2.2 Environmental Setting

The proposed project site is located on the Norco College campus at 2001 Third Street. Norco College consists of an approximately 141-acre parcel owned by the District and currently supports the existing Norco College campus buildings and facilities, as well as the John F. Kennedy Middle College High School (District 2013). The central core area and the playing fields are relatively flat; vegetated slopes and open space areas surround the core campus on the north and east and partially on the southeast making the campus relatively unavailable for development due to its extreme topographic profile (District 2013). Vehicular access is provided via Third Street and is the only means of accessing the campus. Sidewalks exist along Third Street at the entrance of the campus and provide for pedestrian mobility by connecting to campus walkways and other campus parking lots/driveways.

Norco College is located in a developed urban area of the City of Norco and is surrounded by residential communities to the west and south, the Naval Surface Warfare Center to the north, and commercial development to the east (District 2013). Residential uses exist as close as 100 feet south of the proposed project site.

The proposed project site is designated as Public Lands in the City's General Plan (City of Norco 2012a), and the zoning designation is Open Space (OS) (City of Norco 2012b). Although the site is not within an official campus-designated zone according to the Norco College Facilities Master Plan (District 2013), the site is in a recommended Student and Community Services zone. The STEM Center east of the proposed project site is designated as instructional (District 2013). While

the project site is currently undeveloped, several landscape features exist throughout, including young planted ornamental trees, decomposed-granite walkways, and a stand of flags located at the northern end of the project site.

2.3 Project Characteristics

2.3.1 Proposed Project

The proposed project would involve the construction of an approximately 2,500-square-foot, 19-foot-high Veterans Resource Center building on the southeastern portion of the Norco College campus (Figure 2, Site Plan). Construction of the Center would necessitate removal of the existing landscaped area currently consisting of walkways and ornamental plants. The Center would include five office spaces, open work stations/study area and laptop space, a restroom for employees and students, lounge seating, and a utility room. The project would also include a 1,000-square-foot outdoor covered deck and BBQ area (Figure 3, Interior Layout). The Veterans Resource Center building would feature simulated stone, a standing seam metal roof, and tan and white stucco (Figure 4, Visual Simulation).

The project would also include exterior site improvements, such as landscaping, a retention pond, a monument plaza, a vehicle drop off area, and associated parking. Landscaping would be designed consistent with the surrounding parts of campus and would feature a mix of native and drought-tolerant plants. The proposed deck would be constructed of concrete and would provide the center with an outdoor event space. The monument plaza located at northern end of the site would connect to the existing Norco Horse Trail, and would feature a stand of flags. The existing stand of flags on site would remain in place during project construction and would be incorporated into the plaza.

Vehicular access to the project site would be via the existing STEM driveway connecting to Third Street. Parking for the Center would be provided by an expansion of the existing 45-space STEM parking lot, located east of the project site. The expanded parking lot would include 20 new parking stalls for a total of 65 parking stalls in the expanded STEM parking lot. The Center and associated site work would be Americans with Disabilities Act-compliant and include accessible restrooms and drinking fountains.

2.3.2 Proposed Operation

Once operational, the new Veterans Resource Center building would provide a centralized location where the College's student veterans can access a variety of services oriented at assisting them with transitioning from military to civilian life. These services would include mental health services, financial aid, academic counseling, tutoring, study spaces, and other support services. The proposed center would operate year-round and would typically be open from 8:00 a.m. to 6:00

p.m. Monday through Thursday, and 8:00 a.m. to 4:00 p.m. on Friday. Similar to many other student resource centers on campus, the Center may occasionally be open after hours throughout the year (e.g., providing study spaces during finals week or hosting weekend events at the beginning of the school year).

The Veterans Resource Center would host approximately six events per year with approximately 100 to 150 attendees. However, additional events may be held for the College's community partners. These events would be held during weekday or weekend evenings from 4:00 p.m. to 8:00 p.m. The following events would be held at the Veterans Resource Center:

- Veterans Social to celebrate student veteran achievements throughout the year.
- Veterans BBQ to celebrate Veterans Day and Memorial Day.
- Student Veterans of America fundraising events such as a chili cook off, salsa competition, and ticket sales for a veterans benefit concert.

2.3.3 Project Construction and Schedule

Construction of the proposed project would include demolition, site preparation, grading, underground utility construction (trenching), building construction, paving, and architectural coating. Construction is anticipated to begin when school is in session, beginning April 2020 and ending in January 2021, for an approximated construction duration of approximately 9 months. Construction equipment would be staged either on site or within a portion of the existing STEM parking lot. All construction areas and staging areas would be fenced off and isolated from the school. Construction phasing is anticipated as follows:

- Demolition (10 days)
- Site preparation (22 days)
- Grading (22 days)
- Trenching (10 days)
- Building construction (7 months)
- Paving (21 days)
- Architectural coating (11 days)

Demolition would involve the removal of existing concrete curbs and landscaping located throughout the site. Additional site clearing and rough grading would occur during the site preparation phase. Grading would require 2,500 cubic yards of fill and the hauling of 2,500 cubic

yards of soil on site. The depth of disturbance would be approximately 4 to 6 feet. The following phase would involve the trenching of soil for the placement of underground utilities. Building construction would involve construction of the Veterans Resource Center. The paving phase would involve the pavement of asphalt surfaces for the entry, deck, monument plaza, and the parking lot. There would be a total of 12,560 square feet of pavement. The architectural coating phase would involve the application of interior and exterior paints and coatings. A summary of the anticipated construction equipment, quantity of equipment, hours of operation of the equipment, and worker, vendor, and haul trips per phase is included in Table 1.

Table 1
Anticipated Construction Scenario

Construction Phase	Worker Round-Trips per Day	Vendor Truck Round-Trips per Day	Total Haul Truck Trips	Equipment	Quantity	Hours/ Day
Demolition	14	8	—	Rubber-tired dozers	1	8
				Concrete/industrial saws	1	8
				Tractors/loaders/backhoes	3	8
Site preparation	8	8	0	Graders	1	8
				Tractors/loaders/backhoes	1	7
				Scrapers	1	8
Grading	10	8	—	Rubber-tired dozers	1	8
				Tractors/loaders/backhoes	2	7
				Graders	1	8
Trenching	8	8	0	Plate compactors	1	8
				Tractors/loaders/backhoes	1	8
				Trenchers	1	8
Building construction	38	16	0	Cranes	1	8
				Forklifts	2	7
				Tractors/loaders/backhoes	1	6
				Welders	3	8
				Generator sets	1	8
Paving	16	0	0	Pavers	1	8
				Cement and mortar mixers	1	8
				Rollers	2	8
				Tractors/loaders/backhoes	1	8
				Paving equipment	1	8
Architectural coating	8	0	0	Air compressors	1	6

Source: See Appendix A
Note: Water trucks were not modeled as equipment in the construction models; instead, they were modeled as vendor trips in the site preparation, grading, and trenching phases.
[a] Over entire construction phase.

3 INITIAL STUDY CHECKLIST

1. **Project title:**

   Norco College Veterans Resource Center

2. **Lead agency name and address:**

   Riverside Community College District
   3801 Market Street
   Riverside, California 92501

3. **Contact person and phone number:**

   Bart Doering, Facilities Development Director
   951.222.8962

4. **Project location**:

   2001 Third Street
   Norco, California 92860

5. **Project sponsor's name and address:**

   Riverside Community College District
   3801 Market Street
   Riverside, California 92501

6. **General Plan designation:**

   Public Lands

7. **Zoning:**

   Open Space (OS)

8. **Description of project. (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary):**

   See Section 2.3, Project Characteristics.

9. **Surrounding land uses and setting (Briefly describe the project's surroundings):**
   See Section 2.2, Environmental Setting.

10. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):**

See Section 1.4, List of Discretionary Actions.

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, has consultation begun?

Yes. See Section 3.18, Tribal Cultural Resources.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact," as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Agriculture and Forestry Resources	☐ Air Quality
☐ Biological Resources	☐ Cultural Resources	☐ Energy
☐ Geology and Soils	☐ Greenhouse Gas Emissions	☐ Hazards and Hazardous Materials
☐ Hydrology and Water Quality	☐ Land Use and Planning	☐ Mineral Resources
☐ Noise	☐ Population and Housing	☐ Public Services
☐ Recreation	☐ Transportation	☐ Tribal Cultural Resources
☐ Utilities and Service Systems	☐ Wildfire	☐ Mandatory Findings of Significance

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL IMPACT REPORT or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Bart T. Doering 12-10-19

Bart Doering Date
Facilities Development Director

EVALUATION OF ENVIRONMENTAL IMPACTS:

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an Environmental Impact Report (EIR) is required.
4. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
    a. Earlier Analysis Used. Identify and state where they are available for review.
    b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    c. Mitigation Measures. For effects that are "Less Than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
    a. The significance criteria or threshold, if any, used to evaluate each question; and
    b. The mitigation measure identified, if any, to reduce the impact to less than significance.

		Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
I.	**AESTHETICS –** Except as provided in Public Resources Code section 21099, would the project:				
a)	Have a substantial adverse effect on a scenic vista?	☐	☐	☒	☐
b)	Substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c)	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☒	☐
d)	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

3.1 Aesthetics

a) Would the project have a substantial adverse effect on a scenic vista?

Less-Than-Significant Impact. Scenic vistas and other important visual resources are typically associated with natural landforms such as mountains, foothills, ridgelines, coastlines, and open space areas, and are typically designated by jurisdictions within their planning documents (i.e., general plans, community plans, and area plans). While the City's planning documents do not identify or designate any scenic vistas within the City, the City's General Plan Land Use Element states landmarks and community focal points tend to revolve around the views of the surrounding San Gabriel, San Bernardino, and Santa Ana Mountains. While neither the project site nor the surrounding area are associated with any scenic designation, a distant southerly view of the Santa Ana Mountains and Corona Valley is available to motorists, cyclists, pedestrians, and equestrians using Third Street looking through the project site. Upon completion of the project, this existing distant view of the Santa Ana Mountains would be partially obstructed by the proposed Veterans Resource Center. However, the existing distant view of the Santa Ana Mountains is not a designated scenic vista and is fairly typical of other southerly views available near the project site and surrounding area, including from other vantages on the College campus and along Third Street. The proposed one-story structure would be set back from adjacent

structures along Third Street so as to preserve southerly "viewing" windows of the Santa Ana Mountains and the Corona Valley. The project would also be located at a lower elevation relative to the existing hills toward the north, which provide additional views of the Santa Ana Mountains and Corona Valley from the College campus. Given these considerations, no potentially significant impacts to such visual resources is anticipated.

Aside from mountain views, the major aesthetic resources within the specific project study area include views of the open space area to the north of the college towards Lake Norconian. However, the project site is located towards the southern boundary of the College campus, and existing topography and structures block these views from the project site. The addition of the proposed project would not exacerbate these conditions. Therefore, implementation of the proposed project would result in a less-than-significant impact on a scenic vista.

b) Would the project substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. According to the California Department of Transportation (Caltrans) California Scenic Highway Mapping System (Caltrans 2018), no officially designated or eligible state scenic highways are located adjacent to or near the project site. In addition, the City's General Plan does not identify any designated scenic corridors. Therefore, no impacts associated with scenic highways would occur.

c) Would the project, in non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less-Than-Significant Impact. The College campus is in an urbanized area. While the project site is currently undeveloped, several landscape features exist throughout, including juvenile ornamental trees, decomposed-granite walkways, and a stand of flags located parallel to Third Street at the northern end of the project site. The proposed development would alter the visual character of the project site by removing the landscape features and walkways and building a new Veterans Resource Center building, thereby affecting views of the site primarily from college visitors, users of Third Street, and nearby private residents. However, the proposed project would not degrade the visual character or quality of the site. The proposed project would incorporate design elements (architecture, site planning, landscaping) of appropriate scale, bulk, and mass that would create an organized

and unified visual pattern (see Figure 2, Site Plan, and Figure 4, Visual Simulation). As proposed, the project would be visually compatible with existing structures and features in the surrounding environment, including existing college structures and associated landscaping. Overall, the resulting visual contrast associated with introduction of the new resource center building and landscape features would be low.

As described in Section 3.11, Land Use and Planning, the project site is designated under the City of Norco's General Plan as Public Land with a zoning designation for Open Space (City of Norco 2012a). The site is currently being used by the District as a passive recreation park to honor and commemorate Norco College's veteran population. Norco College has been identified in both the City of Norco's General Plan and Zoning Ordinance for such a purpose. The project does not violate any policies within the City of Norco's General Plan, Municipal Code, or any applicable specific plans in the area. Impacts would be less than significant.

As discussed previously in Section 3.1(a), due to the location of the site and the low profile, single-story scale of the proposed Veterans Resource Center building, the proposed project would not adversely affect views of surrounding open space, hillsides, or more distant mountains beyond the college.

Construction activities would cause short-term visual quality impacts that would be experienced by college visitors, nearby private residents, and users of Third Street, including pedestrians, cyclists, motorists, and equestrians. Impacts would be associated with the temporary presence of construction equipment, vehicles and operations on the project site and in views. However, due to the temporary nature of construction, impacts associated with visual character and quality would be less than significant.

d) Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less-Than-Significant Impact. The proposed project would result in the introduction of lighting to the currently undeveloped site. More specifically, lighting for the structure, walkways, and landscaped areas would be installed on site. Further, new lighting sources would be installed in the expanded STEM parking lot (see Figure 2, Site Plan).

Similar to existing campus buildings, the proposed Veterans Resource Center would include interior lighting for illumination of offices, study areas, restrooms, and exterior lighting for safety and security purposes. Minimal outdoor lighting would be required for the Veterans Resource Center building, which would require entrance lighting.

Exterior lighting would be required for the proposed parking lot. The lighting system would utilize different standards for roadway and parking lot lighting, which would consist of pole-mounted LED lights, while walkways would consist of decorative fixtures with sufficient light to illuminate the walkways. Chapter 15.12 of City's Municipal Code states that any lighting used to illuminate off-street parking or loading facilities shall be so arranged as to reflect the light away from adjacent streets or properties. All lighting shall be directed, oriented, and shielded to prevent light from shining onto adjacent properties and to minimize nighttime glow and light spillage. On-site lighting shall not blink, flash, oscillate, or be of unusually high intensity, or brightness.

By controlling the use of lighting on the site and the use of shielding and intensity controls, light and glare resulting from the project would not adversely affect day or nighttime views in the area, and impacts would be less than significant.

		Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
II.	**AGRICULTURE AND FORESTRY RESOURCES – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:**				
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d)	Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

3.2 Agriculture and Forestry Resources

a) Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. Based on farmland maps prepared by the California Department of Conservation, the project site is not located in an area designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. The site is designated as "Other Land" (DOC 2018). Therefore, no impacts associated with conversion of Important Farmland would occur.

b) Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. According to the California Department of Conservation's Williamson Act Parcel map for Riverside County, the project site is not located on or adjacent to any lands under a Williamson Act contract. The Riverside County Williamson Act Fiscal Year 2015/2016 Map designates the project site and surrounding land as non-Williamson Act Land (DOC 2016). In addition, the project site and surrounding area are not zoned for agricultural uses (City of Norco 2012b). As such, implementation of the proposed project would not conflict with existing zoning for agricultural use or land under a Williamson Act contract. Therefore, no impacts associated with agricultural zoning or Williamson Act contracts would occur.

c) Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

No Impact. The project site is located on the Norco College campus and within a developed part of the City. According to the City's Zoning Map, the project site is not located on or adjacent to forestland, timberland, or timberland zoned Timberland Production (City of Norco 2012b). Therefore, no impacts associated with forestland or timberland would occur.

d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The project site is located on the Norco College campus and within a developed part of the City. The project site is not located on or adjacent to forestland. No private timberlands or public lands with forests are located in the City. Therefore, no impact associated with the loss or conversion of forestland would occur.

e) Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. As discussed previously in Sections 3.2(b-c), the project is located on the Norco College campus and within a developed part of the City. The project site is not located on or adjacent to any parcels identified as Important Farmland or forestland. In addition, the proposed project would not involve changes to the existing environment that would result in the indirect conversion of Important Farmland or forestland located away from the project site. Therefore, no impacts associated with the conversion of Farmland or forestland would occur.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

3.3 Air Quality

a) Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less-Than-Significant Impact. The proposed project area is located in the City, within the South Coast Air Basin (SCAB), which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County. The SCAB is within the jurisdictional boundaries of the South Coast Air Quality Management District (SCAQMD).

The SCAQMD administers the SCAB's Air Quality Management Plan (AQMP), which is a comprehensive document outlining an air pollution control program for attaining the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS). The most recently adopted AQMP for the SCAB is the 2016 AQMP (SCAQMD 2017a). The 2016 AQMP focuses on available, proven, and cost-effective alternatives to traditional air quality strategies while seeking to achieve multiple goals in partnership with other entities seeking to promote reductions in greenhouse gases (GHGs) and toxic risk, as well as efficiencies in energy use, transportation, and goods movement (SCAQMD 2017a).

The purpose of a consistency finding with regard to the AQMP is to determine if a project is consistent with the assumptions and objectives of the regional air quality plans, and if it would interfere with the region's ability to comply with federal and state air quality standards. The SCAQMD has established criteria for determining consistency with the

currently applicable AQMP in Chapter 12, Sections 12.2 and 12.3 of the SCAQMD CEQA Air Quality Handbook. These criteria are as follows (SCAQMD 1993):

- **Consistency Criterion No. 1:** Whether the project would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.
- **Consistency Criterion No. 2:** Whether the project would exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

To address the first criterion, project-generated criteria air pollutant emissions have been estimated and analyzed for significance and are addressed under Section 3.3(b). Detailed results of this analysis are included in Appendix A, Air Quality and Greenhouse Gas Calculations. As presented in Section 3.3(b), construction and operation of the proposed project would not generate criteria air pollutant emissions that exceed the SCAQMD's thresholds, and it would therefore be consistent with Criterion No. 1.

The second criterion regarding the potential of the proposed project to exceed the assumptions in the AQMP or increments based on the year of project buildout and phase is primarily assessed by determining consistency between the proposed project's land use designations and its potential to generate population growth. In general, projects are considered consistent with, and not in conflict with or obstruct implementation of, the AQMP if the growth they produce in socioeconomic factors is consistent with the underlying regional plans used to develop the AQMP (SCAQMD 1993). The SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, and employment by industry) developed by the Southern California Association of Governments (SCAG) for its 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (SCAG 2016a). SCAQMD uses this document, which is based on general plans for cities and counties in the SCAB, to develop the AQMP emissions inventory (SCAQMD 2017).[1] The SCAG RTP/SCS, and associated Regional Growth Forecast, are generally consistent with the local plans; therefore, the 2016 AQMP is generally consistent with local government plans.

[1] Information necessary to produce the emissions inventory for the SCAB is obtained from the SCAQMD and other governmental agencies, including the California Air Resources Board, California Department of Transportation, and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors, socioeconomic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into its Travel Demand Model for estimating/projecting vehicle miles traveled and driving speeds. SCAG's socioeconomic and transportation activities projections in their 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy are integrated in the 2016 AQMP (SCAQMD 2017a).

The proposed project site is located on the Norco College campus at 2001 Third Street. As described in Section 2.2, Norco College consists of an approximately 141-acre parcel owned by the District and currently supports the existing Norco College campus buildings and facilities as well as the John F. Kennedy Middle College High School. The proposed project site is designated as Public Lands in the City's General Plan, and the zoning designation is Open Space (OS). Although the site is not within an official campus-designated zone according to the Norco College Facilities Master Plan, the site is in a recommended Student and Community Services zone. Consistent with this zone, the new Veterans Resource Center building would provide a centralized location where the College's student veterans can access a variety of services oriented at assisting them with transitioning from military to civilian life. The proposed project results in a relocation of services already provided to students within the Norco College campus and as such does not result in population growth or generate an increase in employment that would conflict with existing employment population projections in the area. Since the proposed project is not anticipated to result in population growth or generate an increase in employment that would conflict with SCAG's projections, it would not conflict with or exceed the assumptions in the 2016 AQMP.

In summary, based on the considerations presented for the two criteria, impacts relating to the proposed project's potential to conflict with or obstruct implementation of the applicable AQMP would be less than significant.

b) Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Less-Than-Significant Impact. A quantitative analysis was conducted to determine whether proposed activities might result in emissions of criteria air pollutants that may cause exceedances of the NAAQS or CAAQS, or cumulatively contribute to existing nonattainment of ambient air quality standards. Criteria air pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide, particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM_{10}; course particulate matter), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns ($PM_{2.5}$; fine particulate matter), and lead. Pollutants that are evaluated herein include volatile organic compounds (VOCs) and oxides of nitrogen (NO_x), which are important because they are precursors to O_3, as well as CO, sulfur oxides (SO_x), PM_{10}, and $PM_{2.5}$.

Regarding NAAQS and CAAQS attainment status,[2] the SCAB is designated as a nonattainment area for federal and state O_3 and $PM_{2.5}$ standards (CARB 2017a; EPA 2018). The SCAB is also designated as a nonattainment area for state PM_{10} standards; however, it is designated as an attainment area for federal PM_{10} standards. The SCAB is designated as an attainment area for federal and state CO and NO_2 standards, as well as for state sulfur dioxide standards. Although the SCAB has been designated as nonattainment for the federal rolling 3-month average lead standard, it is designated attainment for the state lead standard.[3]

The proposed project would result in emissions of criteria air pollutants for which the California Air Resources Board (CARB) and U.S. Environmental Protection Agency (EPA) have adopted ambient air quality standards (i.e., the NAAQS and CAAQS). Projects that emit these pollutants have the potential to cause, or contribute to, violations of these standards. The SCAQMD CEQA Air Quality Significance Thresholds, as revised in March 2015, set forth quantitative emission significance thresholds for criteria air pollutants, which, if exceeded, would indicate the potential for a project to contribute to violations of the NAAQS or CAAQS. Table 2 lists the SCAQMD Air Quality Significance Thresholds (SCAQMD 2015).

Table 2
South Coast Air Quality Management District Air Quality Significance Thresholds

Criteria Pollutants Mass Daily Thresholds		
Pollutant	*Construction (in pounds/day)*	*Operation (in pounds/day)*
VOC	75	55
NO_x	100	55
CO	550	550
SO_x	150	150
PM_{10}	150	150
$PM_{2.5}$	55	55
Lead[a]	3	3

[2] An area is designated as in attainment when it is in compliance with the NAAQS and/or the CAAQS. These standards for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare are set by the EPA and CARB, respectively. Attainment = meets the standards; attainment/maintenance = achieves the standards after a nonattainment designation; nonattainment = does not meet the standards.

[3] The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

Table 2
South Coast Air Quality Management District Air Quality Significance Thresholds

Toxic Air Contaminants and Odor Thresholds	
Toxic air contaminants[b]	Maximum incremental cancer risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic and Acute Hazard index ≥ 1.0 (project increment)
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402

Source: SCAQMD 2015.
Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; $PM_{2.5}$ = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter); PM_{10} = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); SCAQMD = South Coast Air Quality Management District.
[a] The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the proposed project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.
[b] Toxic air contaminants include carcinogens and noncarcinogens.

A project would result in a substantial contribution to an existing air quality violation of the NAAQS or CAAQS for O_3, which is a nonattainment pollutant, if the proposed project's construction or operational emissions would exceed the SCAQMD VOC or NO_x thresholds shown in Table 2. These emission-based thresholds for O_3 precursors are intended to serve as a surrogate for an "ozone significance threshold" (i.e., the potential for adverse O_3 impacts to occur) because O_3 itself is not emitted directly, and the effects of an individual project's emissions of O_3 precursors (i.e., VOCs and NO_x) on O_3 levels in ambient air cannot reliably be determined through air quality models or other quantitative methods.

The following discussion quantitatively evaluates project-generated emissions and impacts that would result from implementation of the proposed project.

Construction Emissions

Construction of the proposed project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (e.g., off-road construction equipment, soil disturbance, VOC off-gassing from architectural coatings and asphalt pavement application) and off-site sources (e.g., vendor trucks, haul trucks, and worker vehicle trips). Specifically, entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in PM_{10} and $PM_{2.5}$ emissions. Internal combustion engines used by construction equipment, haul trucks, vendor trucks (i.e., delivery trucks), and worker vehicles would result in emissions of VOC, NO_x, CO, PM_{10}, and $PM_{2.5}$. Construction emissions can vary substantially from day to day depending on the level of activity; the specific type of operation; and, for dust, the prevailing weather conditions.

Application of architectural coatings, such as exterior paint and other finishes, and application of asphalt pavement would also produce VOC emissions. VOC off-gassing emissions result from evaporation of solvents contained in surface coatings, such as in paints and primers used during construction of the facility. The California Emissions Estimator Model (CalEEMod) calculates the VOC evaporative emissions from application of surface coatings based on the VOC emissions factor, the building square footage, and the assumed fraction of surface area. VOC rates of 50 grams per liter for flat coatings were assumed for the interior, and 50 grams per liter for non-flat coatings were assumed for the exterior for the proposed project, per District-provided information (low-VOC coatings), which exceed the requirements of SCAQMD Rule 1113.

The proposed project would be required to comply with SCAQMD Rule 403 (SCAQMD 2015) to control dust emissions generated during any dust-generating activities. Standard construction practices that would be employed to reduce fugitive dust emissions include watering of the active dust areas up to three times per day, depending on weather conditions.

For purposes of estimating proposed project emissions, and based on information provided by the District, it is assumed that construction of the proposed project would commence in April 2020[4] and would last approximately 9 months. The analysis contained herein is based on the following subset area schedule assumptions (duration of phases is approximate). The majority of the phases listed below would occur concurrently and would not occur sequentially in isolation. Detailed construction equipment modeling assumptions are provided in Appendix A.

- Demolition (10 days)
- Site preparation (22 days)
- Grading (22 days)
- Trenching (10 days)
- Building construction (7 months)
- Paving (21 days)

[4] The construction models were based on preliminary construction schedule estimates and assumed a start date of November 2019, which represented the earliest date construction would initiate. Because CalEEMod uses real dates (e.g., January 15, 2024) to calculate construction emissions, assumptions were made as to key dates for each phase. Although it was later determined that construction would begin in April 2020, the construction scenario would otherwise remain the same, and the construction modeling is still representative of the project. The earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.

- Architectural coating (11 days)

General construction equipment modeling assumptions are provided in Table 3, Construction Workers, Vendor Trips, and Equipment Use per Day. Default values for equipment mix, horsepower, and load factor provided in CalEEMod were used for all construction equipment. It is anticipated that 2,500 cubic yards of fill material would be imported, and no material would be exported during construction. For the analysis, it was generally assumed that heavy-duty construction equipment would be operating at the site 5 days per week. Detailed construction equipment modeling assumptions are provided in Appendix A.

Table 3
Construction Workers, Vendor Trips, and Equipment Use per Day

	One-Way Vehicle Trips			Equipment		
Construction Phase	*Average Daily Worker Trips*	*Average Daily Vendor Truck Trips*	*Total Haul Truck Trips*	*Equipment Type*	*Quantity*	*Usage Hours*
Demolition	14	8	0	Concrete/industrial saws	1	8
				Rubber-tired dozers	1	8
				Tractors/loaders/backhoes	3	8
Site Preparation	8	8	0	Graders	1	8
				Scrapers	1	8
				Tractors/loaders/backhoes	1	7
Grading	10	0	314	Graders	1	8
				Rubber-tired dozers	1	8
				Tractors/loaders/backhoes	2	7
Trenching	8	8	0	Plate compactors	1	8
				Trenchers	1	8
				Tractors/loaders/backhoes	1	8
Building Construction	38	16	0	Cranes	1	8
				Forklifts	2	7
				Tractors/loaders/backhoes	1	6
				Generator sets	1	8
				Welders	3	8
Paving	16	0	0	Cement and mortar mixers	1	8
				Pavers	1	8
				Paving equipment	1	8
				Rollers	2	8
				Tractors/loaders/backhoes	1	8

Table 3
Construction Workers, Vendor Trips, and Equipment Use per Day

	One-Way Vehicle Trips			Equipment		
Construction Phase	*Average Daily Worker Trips*	*Average Daily Vendor Truck Trips*	*Total Haul Truck Trips*	*Equipment Type*	*Quantity*	*Usage Hours*
Architectural Coating	8	0	0	Air compressors	1	6

Note: See Appendix A for additional details.

Table 4, Estimated Maximum Daily Construction Criteria Air Pollutant Emissions – Unmitigated, shows the estimated maximum daily construction emissions associated with the construction phase of the proposed project.

Table 4
Estimated Maximum Daily Construction Criteria Air Pollutant Emissions – Unmitigated

Year	VOCs	NO_x	CO	SO_x	PM_{10}[a]	$PM_{2.5}$[a]
	Pounds per Day					
2019	3.99	48.94	23.47	0.06	9.02	5.30
2020	5.29	32.54	31.34	0.06	2.52	1.85
Maximum	*5.29*	*48.94*	*31.34*	*0.06*	*9.02*	*5.30*
SCAQMD threshold	*75*	*100*	*550*	*150*	*150*	*55*
Threshold exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: SCAQMD 2015.
Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); $PM_{2.5}$ = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter) SCAQMD = South Coast Air Quality Management District.
See Appendix A for detailed results.
[a] These estimates reflect control of fugitive dust (watering twice daily and speed limit of 15 miles per hour) required by SCAQMD Rule 403 (SCAQMD 2005).

As shown in Table 4, the proposed project's maximum unmitigated daily construction emissions would not exceed the SCAQMD thresholds for any criteria air pollutant.

Operational Emissions

Operation of the proposed project would generate VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$ emissions from area sources, energy sources, and mobile sources, which are discussed below. Operational year 2021 was assumed based upon construction completion.

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text. The model also calculates the emissions from the combustion of wood or natural gas in stoves and fireplaces. However, the proposed project does not include stoves or fireplaces.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products (CAPCOA 2017). Consumer product VOC emissions are estimated in CalEEMod based on the floor area of nonresidential buildings and on the default factor of pounds of VOC per building square foot per day. The CalEEMod default values for consumer products were assumed.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers using during building maintenance. CalEEMod calculates the VOC evaporative emissions from application of surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. VOC rates of 50 grams per liter for flat coatings were assumed for the interior, and 50 grams per liter for non-flat coatings were assumed for the exterior for the proposed project, per District-provided information (low-VOC coatings), which exceed the requirements of SCAQMD Rule 1113 (Architectural Coating). The model default reapplication rate of 10% of area per year is assumed. Consistent with CalEEMod defaults, it is assumed that the surface area for painting equals 2.7 times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface coating (CAPCOA 2017).

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chainsaws, and hedge trimmers. The emissions associated from landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of building space per day) and number of summer days (when landscape maintenance would

generally be performed) and winter days. For the SCAB, the average annual number of summer days is estimated at 250 days (CAPCOA 2017).

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage (non-hearth). Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the site of the power plant, which is typically off site.

CalEEMod default values for energy consumption for each land use were applied for the proposed project analysis. The energy use from nonresidential land uses is calculated in CalEEMod based on the California Commercial End-Use Survey database. Energy use in buildings (both natural gas and electricity) is divided by the program into end use categories subject to Title 24 requirements (end uses associated with the building envelope, such as the heating, ventilation, and air conditioning [HVAC] system, water heating system, and integrated lighting) and those not subject to Title 24 requirements (such as appliances, electronics, and miscellaneous "plug-in" uses).

Title 24 of the California Code of Regulations serves to enhance and regulate California's building standards. The current Title 24, Part 6 standards, referred to as the 2016 standards, became effective on January 1, 2017. The Title 24 2016 standards are assumed within the CalEEMod (CAPCOA 2017). The 2019 Title 24 Building Energy Efficiency Standards, which will be effective January 1, 2020, will further reduce energy used and associated emissions compared to current standards.

Mobile Sources

Following the completion of construction activities, the proposed project would generate criteria pollutant emissions from mobile sources (vehicular traffic), as a result of the employees and visitors from the proposed project. A Focused Traffic Analysis was prepared for the proposed project by Dudek in March 2019 and is included as Appendix B. Since the proposed project would primarily cater to College functions for veteran students, the analysis used the traffic generation rates provided by the Institute of Transportation Engineers (ITE) Trip Generation Manual, 10th edition (2017) for Junior/Community College (ITE Land Use Code 540) to calculate trips generated by the proposed project. The daily vehicle miles traveled (VMT) were estimated using the CalEEMod default values for the land-use type. The maximum weekday trip rates were assumed to be 20 one-way trips

per day. CalEEMod default data, including temperature, vehicle mix, trip characteristics, variable start information, emissions factors, and trip distances, were conservatively used for the model inputs.

Table 5, Estimated Maximum Daily Operational Emissions, presents the maximum daily emissions associated with operation of the proposed project in 2021 at buildout. The values shown are the maximum summer and winter daily emissions results from CalEEMod. Complete details of the emissions calculations are provided in Appendix A.

Table 5
Estimated Maximum Daily Operational Criteria Air Pollutant Emissions – Unmitigated

Emission Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	pounds per day					
Area	0.06	<0.01	<0.01	0.00	<0.01	<0.01
Energy	<0.01	0.01	0.01	<0.01	<0.01	<0.01
Mobile	0.10	0.70	1.11	<0.01	0.33	0.09
Total	**0.16**	**0.71**	**1.12**	**<0.01**	**0.33**	**0.09**
SCAQMD Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter; SCAQMD = South Coast Air Quality Management District. See Appendix A for complete results.
The values shown are the maximum summer or winter daily emissions results from CalEEMod. These emissions reflect CalEEMod "unmitigated" output and operational year 2021. Values of "<0.01" indicate that the estimated emissions are less than two decimals. The total values may not add up exactly due to rounding.

As shown in Table 5, maximum daily operational emissions of VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$ generated by the proposed project would not exceed the SCAQMD's significance thresholds.

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and the SCAQMD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are used in the determination of whether a project's individual emissions would have a cumulatively considerable contribution on air quality. If a project's emissions would exceed the SCAQMD significance thresholds, it would be considered to have a cumulatively considerable contribution. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant (Goss and Kroeger 2003).

As previously discussed, the SCAB has been designated as a federal nonattainment area for O_3 and $PM_{2.5}$, and a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. The nonattainment status is the result of cumulative emissions from various sources of air pollutants and their precursors within the SCAB, including motor vehicles, off-road equipment, and commercial and industrial facilities. Construction and operational activities of the proposed project would generate VOC and NO_x emissions (precursors to O_3), and emissions of PM_{10} and $PM_{2.5}$. However, as indicated in Tables 4 and 5, project-generated emissions would not exceed the SCAQMD emission-based significance thresholds for VOCs, NO_x, PM_{10}, or $PM_{2.5}$.

Cumulative localized impacts would potentially occur if a project were to occur concurrently with another off-site project. Schedules for potential future projects near the project area are currently unknown; therefore, potential impacts associated with two or more simultaneous projects would be considered speculative.[5] However, future projects would be subject to CEQA and would require air quality analysis and, where necessary, mitigation. Criteria air pollutant emissions associated with construction activity of future projects would be reduced through implementation of control measures required by the SCAQMD. Cumulative PM_{10} and $PM_{2.5}$ emissions would be reduced because all future projects would be subject to SCAQMD Rule 403 (Fugitive Dust), which sets forth general and specific requirements for all sites in the SCAQMD.

Based on the above considerations, the proposed project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants, and impacts would be **less than significant** during construction and operation.

c) Would the project expose sensitive receptors to substantial pollutant concentrations?

Less-Than-Significant Impact. The project would not expose sensitive receptors to substantial pollutant concentrations as evaluated below.

Sensitive Receptors

Sensitive receptors are those individuals more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, the elderly, and people with cardiovascular and chronic respiratory diseases. According to the SCAQMD, sensitive receptors include sites such as residences, schools,

[5] The CEQA Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145).

playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993).

At the nearest point, project construction would take place within approximately 110 feet of the STEM Center Annex to the east. Project construction would take place within approximately 170 feet of the residences to the south.

Localized Significance Thresholds

A localized significance threshold (LST) analysis was performed to evaluate localized air quality impacts to sensitive receptors in the immediate vicinity of the Norco College Veterans Resource Center as a result of proposed project activities. The impacts were analyzed using methods consistent with those in the SCAQMD's Final Localized Significance Threshold Methodology (2008). The proposed project is located within Source-Receptor Area 22 (Norco).

The greatest on-site daily emissions of NO_x, CO, PM_{10}, and $PM_{2.5}$ generated during construction occurred during the demolition period of the proposed project construction, it was assumed that one rubber-tired dozer and three crawler tractors (CalEEMod category: tractor/loader/backhoes) would be used based on information provided by the District. CalEEMod default values assume that during an 8-hour day, rubber-tired dozers and crawler tractors can each disturb a maximum of 0.5 acres. This results in 2 acres disturbed per day from one rubber-tired dozer and three crawler tractors. The SCAQMD LST values for 2 acres within Source–Receptor Area (SRA) 22 with a receptor distance of 25 meters (82 feet), which are conservative because the closest sensitive receptor is 110 feet away, were compared to emissions from the proposed project.

Project construction activities would result in temporary sources of on-site criteria air pollutant emissions associated with construction equipment exhaust and dust-generating activities. According to the Final Localized Significance Threshold Methodology, "off-site mobile emissions from the project should not be included in the emissions compared to the LSTs" (SCAQMD 2008a). Trucks and worker trips associated with the proposed project are not expected to cause substantial air quality impacts to sensitive receptors along off-site roadways since emissions would be relatively brief in nature and would cease once the vehicles pass through the main streets. Therefore, off-site emissions from trucks and worker vehicle trips are not included in the LST analysis. The maximum daily on-site construction emissions generated during construction of the proposed project is presented in Table 6, Construction Localized Significance Thresholds Analysis, and compared to the

SCAQMD localized significance criteria for SRA 22 to determine whether project-generated, on-site construction emissions would result in potential LST impacts.

Table 6
Construction Localized Significance Thresholds Analysis

Year	NO_2	CO	PM_{10}	$PM_{2.5}$
	Pounds per Day (On Site)[a]			
2019	22.74	14.89	3.79	2.48
2020	17.43	14.90	0.95	0.91
Maximum	*22.74*	*14.90*	*3.79*	*2.48*
SCAQMD LST Criteria	*170*	*1,007*	*6*	*5*
Threshold Exceeded?	**No**	**No**	**No**	**No**

Source: SCAQMD 2008a.
Notes: NO_2 = nitrogen dioxide; CO = carbon monoxide; LST = localized significance threshold; PM_{10} = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); $PM_{2.5}$ = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter); SCAQMD = South Coast Air Quality Management District.
See Appendix A for detailed results.
[a] LSTs are shown for a 2.0-acre disturbed area corresponding to a distance to a sensitive receptor of 25 meters in SRA 22 (Norco).

As shown in Table 6, proposed construction activities would not generate emissions in excess of site-specific LSTs; therefore, localized impacts of the proposed project would be less than significant.

CO Hotspots

Traffic-congested roadways and intersections have the potential to generate localized high levels of CO. Localized areas where ambient concentrations exceed federal and/or state standards for CO are termed "CO hotspots." The transport of CO is extremely limited, as it disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting sensitive receptors. Typically, high CO concentrations are associated with severely congested intersections operating at an unacceptable level of service (a level of service of E or worse is unacceptable). Projects contributing to adverse traffic impacts may result in the formation of a CO hotspot. Additional analysis of CO hotspot impacts would be conducted if a project would result in a significant impact or contribute to an adverse traffic impact at a signalized intersection that would potentially subject sensitive receptors to CO hotspots. As provided in Section 3.17, the project would generate a low number of daily traffic and peak hour trips; therefore, it would not cause a measurable impact to the roadway segment and intersections in the study area. The project would not create any significant traffic impacts, and a comprehensive traffic impact analysis for the proposed project would not be warranted.

Accordingly, the proposed project would not generate traffic that would contribute to potential adverse traffic impacts that may result in the formation of CO hotspots. This conclusion is supported by the analysis in Section 3.17, Transportation and Traffic, which demonstrates that traffic impacts would be less than significant. In addition, due to continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing. Based on these considerations, the proposed project would result in a less-than-significant impact to air quality with regard to potential CO hotspots.

Toxic Air Contaminants

As a precautionary measure, a health risk assessment (HRA) was performed to assess the impact of construction on sensitive receptors proximate to the project site. This report includes an HRA associated with emissions from construction of the proposed project based on the methodologies prescribed in the Office of Environmental Health Hazard Assessment Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2015). The SCAQMD's Modeling Guidance for American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) (SCAQMD 2019a) provides guidance to perform dispersion modeling for use in HRAs within the SCAB.

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SCAQMD recommends a carcinogenic (cancer) risk threshold of 10 in 1 million. Additionally, some toxic air contaminants increase non-cancer health risk due to long-term (chronic) exposures. The Chronic Hazard Index is the sum of the individual substance chronic hazard indices for all toxic air contaminants affecting the same target organ system. The SCAQMD recommend a Chronic Hazard Index significance threshold of 1.0 (project increment). The exhaust from diesel engines (diesel particulate matter, DPM) is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. DPM has established cancer risk factors and relative exposure values for long-term chronic health hazard impacts. No short-term, acute relative exposure level has been established for DPM; therefore, acute impacts of DPM are not addressed in this assessment. This HRA evaluated the risk to existing residents and school receptors at the STEM Center from diesel emissions from exhaust from on-site construction equipment and diesel haul and vendor trucks.

In addition to cancer and non-cancer risk thresholds, if the cancer risk at the maximally exposed individual resident exceeds 1 in a million, the SCAQMD also requires the evaluation of cancer burden (increase in cancer cases in the population), to be compared

to the threshold of 0.5 (SCAQMD 2017b). However, cancer burden was not evaluated for health risk impacts from construction, since it is based on a 70-year exposure period, whereas the duration of proposed project construction would be only 193 active days (about 0.74 years).

The dispersion modeling of DPM was performed using the American Meteorological Society/EPA Regulatory Model (AERMOD), which is the model SCAQMD requires for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain. For the proposed project, AERMOD was run with all sources emitting unit emissions (1 gram per second) to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength and is used as a way to simplify the representation of emissions from many sources. The X/Q values of ground-level concentrations were determined for construction emissions using AERMOD and the maximum concentrations determined for the 1-hour and period averaging periods. Principal parameters of this modeling are presented in Table 7.

Table 7
AERMOD Principal Parameters

Parameter	Details
Meteorological Data	The latest 5-year meteorological data for the Chino Airport (KCNO) station (Station ID 3179) from SCAQMD were downloaded (SCAQMD 2019b), and then input to AERMOD. For cancer or chronic non-cancer risk assessments, the average cancer risk of all years modeled was used.
Urban versus Rural Option	Urban areas typically have more surface roughness, as well as structures and low-albedo surfaces that absorb more sunlight—and thus more heat—relative to rural areas. Based on the SCAQMD guidelines and the Project location, the urban dispersion option was selected and the Riverside County population for year 2010 (2,189,641 persons) input into AERMOD (SCAQMD 2019a).
Terrain Characteristics	Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. Per SCAQMD guidance, the National Elevation Dataset (NED) dataset with resolution of 1/3 arc-second was used (SCAQMD 2019a).
Emission Sources and Release Parameters	Air dispersion modeling of DPM from construction equipment and diesel vehicles was conducted using emissions estimated using the CalEEMod, assuming emissions would occur up to 8 hours per day, 5 days per week. The construction equipment and truck DPM emissions were modeled as a line of adjacent volume sources across the project site to represent project construction with a release height of 5 meters, plume height of 2.33 meters, and plume width of 11.63 meters. Since equipment would operate in the daytime hours, a variable emissions scenario with appropriate scalars was applied to the source.
Receptors	This HRA evaluates the risk to existing residential and school receptors located in proximity to the project. A uniform fine 1-kilometer by 1-kilometer Cartesian grid with 20-meter spacing was

Table 7
AERMOD Principal Parameters

Parameter	Details
	centered over the project site and converted into discrete receptors to capture the maximum point of impact.

Source: SCAQMD 2019a; SCAQMD 2019b.
Note: See Appendix A.

Dispersion model plot files from AERMOD were then imported into CARB's Hotspots Analysis and Reporting Program Version 2 (HARP2) model to determine health risk, which requires peak 1-hour emission rates and annual-averaged emission rates for all pollutants for each modeling source. For the residential health risk, the HRA assumes exposure would start in the third trimester of pregnancy. The results of the HRA are provided in Table 8 below, and detailed results and methodology are provided in Appendix A.

Table 8
Construction Health Risk Assessment Results - Unmitigated

Receptor	Cancer Risk (persons per million)	Chronic Hazard Index
Maximally Exposed Residential Receptor[1]	6.43	0.0095
Maximally Exposed School Receptor[2]	1.13	0.084
SCAQMD Significance Criteria	10	1.0
Exceed Threshold?	**No**	**No**

Source: SCAQMD 2015.
Note: SCAQMD = South Coast Air Quality Management District
See Appendix A for complete results.
1 The maximally exposed residential receptor is located to the south of the project, at Universal Transverse Mercator (UTM) coordinates 447656.8 meter Easting (m E)/3752882 meters Northing (m N).
2 The maximally exposed school receptor is located at the STEM center adjacent to the project, at UTM coordinates 447797.7 m E/3752961 m N.

As shown in Table 8, the HRA results from the unmitigated scenario show cancer risks of 6.43 in 1 million and 1.13 in 1 million for the maximally exposed residential and school receptors, respectively, which would not exceed the 10 in 1 million SCAQMD threshold. The non-cancer chronic hazard index of 0.0095 and 0.084 for the maximally exposed residential and school receptors, respectively, which would not exceed the SCAQMD threshold of 1.0. Thus, the proposed project construction would result in less-than-significant cancer and chronic health risk impacts at proximate sensitive receptors.

Health Effects Criteria Air Pollutants

Operation of the proposed project would generate criteria air pollutant emissions; however, the project would not exceed the SCAQMD mass-emission thresholds.

The SCAB is designated as nonattainment for O_3 for the NAAQS and CAAQS. Thus, existing O_3 levels in the SCAB are at unhealthy levels during certain periods. The health effects associated with O_3 generally result in reduced lung function. Because the proposed project would not involve activities that would result in O_3 precursor emissions (i.e., VOCs or NO_x) that would exceed the SCAQMD thresholds, as shown in Tables 4 and 5, the proposed project is not anticipated to substantially contribute to regional O_3 concentrations and its associated health impacts during construction or operation.

In addition to O_3, NO_x emissions contribute to potential exceedances of the NAAQS and CAAQS for NO_2. Exposure to NO_x (which includes NO_2) can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections. As shown in Tables 4 and 5, proposed project construction and operations would not exceed the SCAQMD NO_x threshold, and existing ambient NO_2 concentrations would be below the NAAQS and CAAQS. Thus, the proposed project is not expected to result in exceedances of the NO_2 standards or contribute to associated health effects.

CO tends to be a localized impact associated with congested intersections. In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, thereby reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions. CO hotspots were discussed previously as a less-than-significant impact. Thus, the proposed project's CO emissions would not contribute to the health effects associated with this pollutant.

The SCAB is designated as nonattainment for PM_{10} under the CAAQS and nonattainment for $PM_{2.5}$ under the NAAQS and CAAQS. Particulate matter contains microscopic solids or liquid droplets that are so small that they can get deep into the lungs and cause serious health problems. Particulate matter exposure has been linked to a variety of problems, including premature death in people with heart or lung disease; nonfatal heart attacks; irregular heartbeat; aggravated asthma; decreased lung function; and increased respiratory symptoms such as irritation of the airways, coughing, or difficulty breathing (EPA n.d.). As with O_3 and NO_x, and as shown in Tables 4 and 5, the proposed project would not generate emissions of PM_{10} or $PM_{2.5}$ that would exceed the SCAQMD's thresholds. Accordingly, the proposed project's PM_{10} and $PM_{2.5}$ emissions are not expected to cause any increase in related regional health effects for this pollutant.

In summary, the proposed project would not result in a potentially significant contribution to regional concentrations of nonattainment pollutants, and would not result in a significant contribution to the adverse health impacts associated with those pollutants. Therefore, impacts would be less than significant.

d) Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less-Than-Significant Impact. The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the proposed project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Such odors would disperse rapidly from the proposed project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The proposed project entails operation of a Veterans Resource Center. Therefore, the proposed project operations would result in an odor impact that is less than significant.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES – Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☒	☐	☐

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☒	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☒	☐	☐
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☒	☐	☐

3.4 Biological Resources

The following discussion is based on the Biological Resources Letter Report and MSHCP Consistency for the Norco College Veterans Resource Center Project, City of Norco, California prepared by Dudek in October 2018 (Appendix C). As part of the report, Dudek biologists conducted a general biological survey of the study area (project site and 500-foot buffer) on July 31, 2018. All native and naturalized plant species encountered within the study area were identified and recorded. The potential for special-status plant and wildlife species to occur within the study area was evaluated based on the vegetation communities, soils present, and documented occurrences within 5 miles of the study area. To meet requirements in the Multiple Species Habitat Conservation Plan (MSHCP), a habitat assessment was conducted to identify suitable habitat for narrow endemic plant species and burrowing owl (*Athene cunicularia*) within the study area. In addition, an investigation of presence and distribution of jurisdictional waters of the United States regulated by the U.S. Army Corps of Engineers, jurisdictional waters of the state regulated by the Regional Water Quality Control Board (RWQCB), and jurisdictional streambed and associated riparian habitat regulated by the California Department of Fish and Wildlife was conducted.

a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less-Than-Significant Impact With Mitigation Incorporated. This section addresses potential impacts to special-status biological resources that could result from implementation of the proposed project. For the purposes of this biological analysis, it is assumed that the entire project site would be permanently impacted. As discussed herein, the project would have no impact on special-status vegetation communities and plants, and a less-than-significant impact with mitigation incorporated on special-status wildlife.

Special-Status Vegetation Communities

Several non-natural land covers would be directly impacted as a result of project implementation. Table 9 summarizes the land covers that would be impacted within the project site. However, no special-status vegetation communities occur on the project site; therefore, no impacts to special-status vegetation communities would occur with project implementation.

Table 9
Impacts to Land Covers on the Project Site

Vegetation Community/Land Cover	Acreage
Disturbed Land	2.01
General Agriculture	7.52
Parks and Ornamental Plantings	3.98
Urban/Developed	24.14
Total	**37.65**

Source: Appendix C

Special-Status Plants

There are no special-status plant species that have moderate or high potential to occur within the project impact area; therefore, there are no expected direct or indirect impacts to special-status plant species with project implementation.

Special-Status Wildlife

Three non-listed special-status wildlife species have at least a moderate potential to occur adjacent to the project site (red diamondback rattlesnake [*Crotalus ruber*], Blainville's

horned lizard [*Phrynosoma coronatum*], and burrowing owl). Although general and focused surveys did not result in the detection of these species, they may occupy the site prior to initiation of construction activities. As a result, the project could result in direct and indirect impacts to these species. Direct impacts could include crushing individuals during initial grading activities. Indirect impacts could include noise, dust, pollution, and entrapment during construction activities.

Implementation of general construction best management practices (MM-BIO-1) and consistency with the MSHCP, which includes payment of the MSHCP Development Fee, would reduce potential indirect impacts to these species to less than significant.

Burrowing Owl

Although general wildlife and focused surveys for the burrowing owl did not result in the detection of this species, they may occupy the site prior to initiation of construction activities. As a result, the project could result in direct and indirect impacts to these species. Direct impacts could include crushing individuals during initial grading activities. Indirect impacts could include noise, dust, pollution, and entrapment during construction activities

If burrowing owl occupy the project site or surrounding habitat, indirect impacts could be significant. To avoid potential for significant impacts to burrowing owl during construction activities, a pre-construction burrowing owl survey should be conducted and avoidance measures implemented if burrowing owl are present (MM-BIO-2).

Nesting Birds

The project site is primarily developed as an ornamental landscape feature associated with the College; however, the surrounding study area supports trees and shrubs that may provide potential nesting habitat for commonly occurring birds such as Anna's hummingbird (*Calypte anna*) or house finches (*Haemorhous mexicanus*). In addition, ground-nesting birds such as killdeer (*Charadrius vociferus*) may utilize the disturbed portions of the study area. The study area does not contain large trees suitable for raptor nesting.

Project construction could result in significant direct and indirect impacts to nesting birds, including the loss of nests, eggs, and fledglings if vegetation clearing and ground-disturbing activities occur during the avian nesting season (typically March 1 through August 31). If the nesting bird season cannot be avoided, a nesting bird survey should be conducted and avoidance measures implemented if nests are documented within the impact footprint or within 300 feet of the impact footprint (MM-BIO-3).

MM-BIO-1 **General Avoidance and Minimization Measures**. The following avoidance and minimization measures shall be implemented during project construction activities.

- Construction work areas shall be kept clean of debris, such as trash and construction materials. Fully covered trash receptacles that are animal-proof will be installed and used during construction to contain all food, food scraps, food wrappers, beverage containers, and other miscellaneous trash. Trash contained within the receptacles will be removed at least once a week from the proposed project site.
- Staging and storage areas for spoils, equipment, materials, fuels, lubricants, and solvents shall be located within the designated impact area or adjacent developed areas.
- To prevent inadvertent entrapment of special-status wildlife during construction, all excavated steep-walled holes or trenches more than 2 feet deep shall be covered with plywood or similar materials at the close of each working day, or be provided with one or more escape ramps constructed of earth fill or wooden planks. Before such holes or trenches are filled, they shall be thoroughly inspected for trapped wildlife. If trapped animals are observed, escape ramps or structures shall be installed immediately to allow escape.
- All pipes, culverts, or similar structures with a diameter of 4 inches or more that are stored at a construction site for one or more overnight periods shall be thoroughly inspected for special-status wildlife or nesting birds before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If an animal is discovered inside a pipe, that section of pipe shall not be moved until the animal has either moved from the structure on its own accord or until the animal has been captured and relocated by a qualified biologist.

MM-BIO-2: Prior to initiation of construction activities, a burrowing owl pre-construction survey shall be conducted in accordance with the Burrowing Owl Survey Instructions for the Western Riverside Multiple Species Habitat Conservation Plan Area (RCA 2006). In accordance with these instructions, this survey would occur within 30 days prior to ground-disturbance activities. A minimum of one survey site visit within the described time frame prior to disturbance is required to confirm presence or absence of owls on the site. Pre-construction surveys shall be conducted by a qualified biologist.

If surveys confirm occupied burrowing owl habitat is located within the impact footprint or within 500 feet of the impact footprint, avoidance measures shall be implemented consistent with the requirements of the MSHCP.

MM-BIO-3: To maintain compliance with the Migratory Bird Treaty Act and Fish and Game Code, if ground disturbance and/or vegetation clearance activities are scheduled to occur during the avian nesting season, a pre-construction nesting bird survey shall be conducted by a qualified biologist within the project footprint and a 300-foot buffer around the project footprint. Surveys shall be conducted within 3 days prior to initiation of activity and will be conducted between dawn and noon.

If an active nest is detected during the nesting bird survey, avoidance buffers shall be implemented as determined by a qualified biologist. The buffer will be of a distance to ensure avoidance of adverse effects to the nesting bird by accounting for topography, ambient conditions, species, nest location, and activity type. All nests will be monitored as determined by the qualified biologist until nestlings have fledged and dispersed or it is confirmed that the nest has been unsuccessful or abandoned.

b) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Less-Than-Significant Impact. The MSHCP defines riparian/riverine areas as "lands which contain habitat dominated by trees, shrubs, persistent emergent, or emergent mosses and lichens, which occur close to or which depend upon soil moisture from a nearby fresh water source; or areas with fresh water flow during all or a portion of the year" (County of Riverside 2003). The MSHCP further clarifies those areas "demonstrating characteristics as described above which are artificially created are not included in these definitions" (County of Riverside 2003).

As discussed below in Section 3.4(f), the project does not support riparian/riverine resources or habitat suitable for riparian-dependent species as defined under the MSHCP. Therefore, the project would have a less-than-significant impact on riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service.

c) Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

No Impact. No jurisdictional waters, including wetlands, regulated by the U.S. Army Corps of Engineers, RWQCB, or California Department of Fish and Wildlife occur within the project impact footprint. Several erosional, non-jurisdictional features occur within the central portion of the project site. These features are associated with the landscaped areas and result from urban runoff and artificial irrigation. Therefore, the project would not result in impacts to federally protected wetlands.

d) Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less-Than-Significant Impact. Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation; they may be continuous habitat or discrete habitat islands that function as stepping stones for wildlife dispersal. Wildlife movement through the project site is unlikely due to the developed nature of surrounding land use. An active college campus occupies the majority of the surrounding area, as well as rural residential development. Therefore, the study area has limited to no value as a potential wildlife corridor or habitat linkage. The project would have a less-than-significant impact on the movement of wildlife.

e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Less-Than-Significant Impact With Mitigation Incorporated. The project site is within the Western Riverside MSHCP Area. As described below in Section 3.4(f), the project site does not support riparian/riverine resources, vernal pools or fairy shrimp habitat, narrow endemic plant habitat, or criteria area species habitat; therefore, there are no requirements under the MSHCP for these resources. The project is also not adjacent to conservation areas; therefore, the Urban/Wildlife Interface Guidelines are not applicable. The project does not support burrowing owl habitat; however, burrowing owl have the potential to occupy the site in the future. With implementation of the burrowing owl pre-construction surveys and avoidance and minimization measures if applicable, the project would be consistent with the MSHCP burrowing owl requirements. With implementation of mitigation measure MM-BIO-2,

Burrowing Owl Pre-construction Surveys, and payment of the MSHCP Development Mitigation Fee, the proposed project would be consistent with the MSHCP.

The project site is also within the Stephens' Kangaroo Rat Habitat Conservation Plan boundary. However, as part of the proposed project, the District would pay the Stephens' Kangaroo Rat Habitat Conservation Plan Development Mitigation Fee. With payment of the Stephens' Kangaroo Rat Habitat Conservation Plan Development Mitigation Fee, the proposed project would be consistent with the Stephens' Kangaroo Rat Habitat Conservation Plan.

The City has adopted a tree removal policy (Municipal Code Chapter 12.08 Encroachments-Excavations), which affords protection to any tree planted in the right-of-way of any City street. It is unlawful to remove or severely trim any tree without a permit. The biological study area contains several mature palm trees that have been planted and maintained for several years. However, the proposed project site does not contain mature trees within the right-of-way of any city street. Therefore, acquisition of trees are not anticipated, and a tree removal permit would not need to be obtained for the proposed project. There are no other local ordinances applicable to the project.

Because the project would not conflict with the Western Riverside MSHCP, Stephens' Kangaroo Rat Habitat Conservation Plan, or City of Norco tree removal policy, the project would have a less-than-significant impact with regard to local policies or ordinances protecting biological resources.

f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

Less-Than-Significant Impact With Mitigation Incorporated. The project site is located Western Riverside County MSHCP and must comply with relevant section of the MSHCP. The project site is not within an MSHCP Criteria Cell; therefore, no Reserve Assembly requirements would apply to the project site. The project's compliance with the relevant sections of the MSHCP is discussed below.

Riparian/Riverine Resources (MSHCP Section 6.1.2)

The MSHCP defines riparian/riverine areas as "lands which contain habitat dominated by trees, shrubs, persistent emergent, or emergent mosses and lichens, which occur close to or which depend upon soil moisture from a nearby fresh water source; or areas with fresh water flow during all or a portion of the year." The MSHCP further clarifies those areas

"demonstrating characteristics as described above which are artificially created are not included in these definitions" (County of Riverside 2003).

The project site contains two unvegetated, v-ditches that appear to drain water from the parking lot to the east onto the project site. These features are artificially created, do not rely on a freshwater source, and do not convey flow to downstream resources; therefore, they are not considered riverine features as defined by the MSHCP.

In addition, the project site and study area contains one individual mulefat (*Baccharis salicifolia*) and one black willow (*Salix gooddingii*) sapling, both as a result of stormwater runoff and irrigation within the study area. Because these riparian plants are not supported by a natural, freshwater source and do not function as riparian habitat, they are not considered riparian resources as defined by the MSHCP.

Finally, the individual mulefat and black willow sapling are not sufficient to support riparian bird species such as least Bell's vireo (*Vireo bellii pusillus*), southwestern willow flycatcher (*Empidonax traillii extimus*), or yellow-billed cuckoo (*Coccyzus americanus*). This is due to the small size of each plant's extent that does not make it a vegetation community, the lack of understory or closed-canopy features that give depth to the plants, the lack of continuity with higher quality habitat, and the project site surroundings (existing and planned development).

The project does not support riparian/riverine resources or habitat suitable for riparian-dependent species as defined under the MSHCP. Therefore, the project would not conflict with MSHCP Section 6.1.2.

Vernal Pool and Fairy Shrimp Habitat

The study area does not contain clay soils, bedrock, or other poorly drained soils typically associated with vernal pools. During the survey, no topographic low points or indicators of ponding were observed within the study area and are not present on historic aerials or topographic maps. The project does not support vernal pools or other fairy shrimp habitat; therefore, focused fairy shrimp surveys are not required.

Narrow Endemic Plant Species Survey Area (MSHCP Section 6.1.3)

As discussed in the Biological Resources Letter Report (Appendix C), the habitat assessment did not identify potential habitat for narrow endemic plant species and as a result focused surveys were not conducted for Brand's phacelia (*Phacelia stellaris*), San

Diego ambrosia (*Ambrosia pumila*), and San Miguel savory (*Clinopodium chandleri*). Therefore, the project would not conflict with MSHCP Section 6.1.3.

Criteria Area Species Survey Area (MSHCP Section 6.3.2)

The MSHCP establishes habitat assessment requirements for certain species of plants, birds, mammals, and amphibians. The project site is in a required habitat assessment area for burrowing owl. As discussed in the Biological Resources Letter Report (Appendix C), the habitat assessment identified potential burrowing owl habitat and as a result focused surveys. No burrowing owls or sign of burrowing owls (including feathers, whitewash, or pellets) were observed during the focused surveys. Site conditions can change prior to development of the site as California ground squirrels (*Spermophilus (Otospermophilus) beecheyi*) have the potential to move in and create suitable burrows for burrowing owl. To avoid potential for significant impacts to burrowing owl during construction activities, a pre-construction burrowing owl survey should be conducted and avoidance measures implemented if burrowing owls are present (MM-BIO-2). With incorporation of MM-BIO-2, the project would not conflict with MSHCP Section 6.3.2.

Urban/Wildlife Interface Guidelines (MSHCP Section 6.1.4)

According to the MSHCP, the Urban/Wildlands Interface Guidelines are intended to address indirect effects associated with locating development in proximity to the MSHCP Conservation Area (MSHCP, p. 6–42). The project site is not within or adjacent to any conserved areas; therefore, the Urban/Wildlife Interface Guidelines are not applicable.

Conclusion

As described above, the project site does not support riparian/riverine resources, vernal pools or fairy shrimp habitat, narrow endemic plant habitat, or criteria area species habitat; therefore, there are no requirements under the MSHCP for these resources. The project is also not adjacent to conservation areas; therefore, the Urban/Wildlife Interface Guidelines are not applicable. The project does not support burrowing owl habitat; however, burrowing owls have the potential to occupy the site in the future. With implementation of the burrowing owl pre-construction surveys and avoidance and minimization measures if applicable, the project would be consistent with the MSHCP burrowing owl requirements. With implementation of mitigation measure MM-BIO-2, Burrowing Owl Pre-construction Surveys, and payment of the MSHCP Development Mitigation Fee, the proposed project would be consistent with the MSHCP.

Additionally, as described in Section 3.4(e), the project site is also within the Stephens' Kangaroo Rat Habitat Conservation Plan boundary. However, as part of the proposed project, the District would pay the Stephens' Kangaroo Rat Habitat Conservation Plan Development Mitigation Fee. With payment of the Stephens' Kangaroo Rat Habitat Conservation Plan Development Mitigation Fee, the proposed project would be consistent with the Stephens' Kangaroo Rat Habitat Conservation Plan. Therefore, impacts would be less than significant with mitigation.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
V. CULTURAL RESOURCES – Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to§15064.5?	☐	☐	☒	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☐	☒	☐

3.5 Cultural Resources

The following analysis is based on the Cultural Resources Study for the Norco College Veterans Center, City of Norco, Riverside County, California, prepared by Dudek in September 2018, and included as Appendix D.

a) Would the project cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?

Less-Than-Significant Impact. As discussed in the CEQA Guidelines, Section 15064.5, a historic resource need not only include such resources already identified as being listed on the California Register of Historical Resources, but may include such resources deemed by the lead agency to be eligible for such a listing. It can be a structure, building, place, or area that may have been associated with an event or person, or it may represent distinctive characteristics of a type, period, region, or method of construction; or it may reveal additional information important to our understanding of history. Thus, there are any number of potential qualities that would identify an area as a potential historic resource.

A records search was conducted at the Eastern Information Center (EIC) at the University of California, Riverside to assist in the identification of historical resources in proximity of the project site. The EIC search included the EIC collection of mapped prehistoric, historical and built-environment resources, technical reports, archival resources, ethnographic references, and Department of Parks and Recreation Site Records. Additional consulted sources included the National Register of Historic Places; California Inventory of Historical Resources/California Register of Historical Resources; listed Office of Historic Preservation Archaeological Determinations of Eligibility; California Points of Historical Interest; California Historical Landmarks; and Caltrans Bridge Survey information. Additionally, the Cultural Resources Study prepared for the project included a review of historic aerial photographs and an intensive pedestrian cultural survey of the project area (Appendix D).

Based on existing records (records search and historic aerials), the project area was utilized in a possible citrus grove by 1931 through at least 1938. However, by 1948 this area was fallow. Vegetation clearing and possible earthwork, related to early construction of the College, is visible in the 1994 aerial. The existing veterans park was developed by 2010.

During the field survey of project site, it was apparent that the area has been substantially disturbed by landscaping and recreational use and did not reveal any historic-era resources. Additionally, the records search for the project did not identify any previously recorded cultural resources within the project site. Therefore, impacts to historic-era resources would be less than significant.

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

Less-Than-Significant Impact with Mitigation Incorporated. As previously discussed in Section 3.5(a), the Cultural Resources Study prepared for the project included a records search at the EIC, review of historic aerial photographs, and an intensive pedestrian cultural survey of the project area (Appendix D).

The Cultural Resources Study did not identify any archaeological resources on the project site. However, based on the review of existing records, noted topographic suitability, and high visibility of the ground surface during pedestrian survey, there is a moderate potential for the inadvertent discovery of historical resources during initial project-related ground disturbance within the project site. EIC records indicated that no archaeological or built-environment resources have been recorded within the project Area of Potential Effect.

Based on existing records (records search and historic aerials), the project area was briefly utilized as a citrus grove circa 1938. The project area was fallow until about 2010. During the field survey of the project area, it was apparent that the area has been substantially disturbed by landscaping and recreational use. As such, the project shall implement mitigation measure MM-CUL-1 in order to reduce impacts to archaeological resources. With the implementation of mitigation measure MM-CUL-1, impacts to archaeological resources would be reduced to a less-than-significant level.

MM-CUL-1 If archaeological resources (sites, features, or artifacts) are exposed during project construction activities, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the significance of the find and determine whether or not additional study is warranted. Depending on the significance of the find under the California Environmental Quality Act (CEQA) (14 CCR 15064.5(f); California Public Resources Code Section 21082), the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work, such as preparation of an archaeological treatment plan and data recovery, may be warranted. This requirement shall be noted on all grading plans, and the construction contractor shall be obligated to comply with the note.

c) Would the project disturb any human remains, including those interred outside of dedicated cemeteries?

Less-Than-Significant Impact. As discussed in 3.5(b), there are no previously recorded cultural resources on the project site. Since the site has been previously disturbed, ground-disturbing activities associated with demolition and construction of the proposed structures are unlikely to uncover previously unknown archaeological resources. However, if human skeletal remains are discovered during ground-disturbing activities, California Health and Safety Code Section 7050.5 states that the County Coroner must be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains can occur until the County Coroner has determined, within 2 working days of notification of the discovery, the appropriate treatment and disposition of the human remains. If the County Coroner determines that the remains are, or are believed to be, Native American, he or she must notify the Native American Heritage Commission (NAHC) in Sacramento within 24 hours. In accordance with California Public Resources Code Section 5097.98, the NAHC must immediately notify those persons it believes to be the most likely descendant from the deceased Native

American. The most likely descendant must complete his or her inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition for the human remains. Therefore, based on compliance with existing state law, impacts associated with the discovery of human remains would be less than significant.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
VI. ENERGY – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☒	☐

3.6 Energy

a) Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less-Than-Significant Impact. The short-term construction and long-term operation of the Norco College Veterans Resource Center will require the consumption of energy resources in several forms at the proposed project site and within the project area. An overview of the forms of energy consumption for construction and operation is provided as follows:

Construction Energy Consumption

1. Temporary Direct Electrical Service: Energy Provided by Southern California Edison (SCE)
    - Construction site lighting
    - Computer equipment
    - Temporary construction trailer operation
2. Fossil Fuels (Diesel and Gasoline)
    - Off-road construction equipment

- Diesel-fired electric generators
- Worker vehicles, vendor trucks, and haul trucks

Operational Energy Consumption

1. Direct Energy Service: Natural Gas and Electrical Energy
    - Building HVAC)
    - Lighting: interior and exterior facilities
    - Computer, audio, and video equipment
    - Appliances
2. Indirect Energy Consumption
    - Supply, distribution, and treatment of water, wastewater, and solid waste
3. Fossil Fuels (Diesel and Gasoline)
    - Employee, student, and visitor transportation

Construction and operational energy consumption is evaluated in detail below.

Construction

Electricity

SCE would provide temporary electric power for as-necessary lighting and electronic equipment such as computers inside temporary construction trailers. The electricity used for such activities would be temporary and would have a negligible contribution to the project's overall energy consumption.

Natural Gas

Natural gas is not anticipated to be required during construction of the proposed project. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed below under the "petroleum" subsection. Any minor amounts of natural gas that may be consumed as a result of project construction would have a negligible contribution to the project's overall energy consumption.

Petroleum

Heavy-duty construction equipment associated with demolition and construction activities would rely on diesel fuel, as would haul and vendor trucks involved in delivery of materials

to the project site. Construction workers would travel to and from the project site throughout the duration of construction. It is assumed in this analysis that construction workers would travel to and from the site in gasoline-powered light-duty vehicles.

Heavy-duty construction equipment of various types would be used during each phase of project construction. Appendix A lists the assumed equipment usage for each phase of construction. The project's construction equipment is estimated to operate a total combined 11,940 hours.

Fuel consumption from construction equipment was estimated by converting the total carbon dioxide (CO_2) emissions from each construction phase to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Construction is estimated to occur in 2019 and 2020 based on the construction phasing schedule. The conversion factor for gasoline is 8.78 kilograms per metric ton CO_2 per gallon, and the conversion factor for diesel is 10.21 kilograms per metric ton CO_2 per gallon (The Climate Registry 2018). The estimated diesel fuel usage from construction equipment is shown in Table 10.

Table 10
Construction Equipment Diesel Demand

Phase	Pieces of Equipment	Equipment CO_2 (MT)	kg CO_2/gallon	Gallons
Demolition	5	10.71	10.21	1,048.78
Site Preparation	3	24.21	10.21	2,371.65
Grading	4	20.37	10.21	1,995.07
Trenching	3	3.00	10.21	294.13
Building Construction	8	156.77	10.21	15,354.68
Paving	6	16.28	10.21	1,594.61
Architectural Coating	1	1.40	10.21	137.54
			Total	**22,796.46**

Sources: Pieces of equipment and equipment CO_2 (Appendix A); kg CO_2/gallon (The Climate Registry 2018).
Notes: CO_2 = carbon dioxide; MT = metric ton; kg = kilogram.

Fuel consumption from worker, vendor, and haul truck trips are estimated by converting the total CO_2 emissions from each construction phase to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Worker vehicles are assumed to be gasoline and vendor/hauling vehicles are assumed to be diesel. Calculations for total worker, vendor, and haul truck fuel consumption are provided in Tables 11, 12, and 13.

Table 11
Construction Worker Gasoline Demand

Phase	Trips	Vehicle MT CO_2	kg CO_2/ gallon	Gallons
Demolition	140	0.66	8.78	75.71
Site Preparation	176	0.84	8.78	95.18

Table 11
Construction Worker Gasoline Demand

Phase	Trips	Vehicle MT CO_2	kg CO_2/ gallon	Gallons
Grading	220	1.04	8.78	118.97
Trenching	80	0.37	8.78	41.89
Building Construction	5,738	26.38	8.78	3,004.91
Paving	336	1.54	8.78	175.96
Architectural Coating	88	0.40	8.78	46.08
			Total	**3,558.70**

Sources: Trips and vehicle CO_2 (Appendix A); kg CO_2/gallon (The Climate Registry 2018).
Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram.

Table 12
Construction Vendor Diesel Demand

Phase	Trips	Vehicle MT CO_2	kg CO_2/gallon	Gallons
Demolition	80	0.99	10.21	97.01
Site Preparation	176	2.18	10.21	213.42
Grading	0	0	10.21	0
Trenching	80	0.98	10.21	96.34
Building Construction	2,416	29.70	10.21	2,909.23
Paving	0	0	10.21	0
Architectural Coating	0	0	10.21	0
			Total	**3,316.0**

Sources: Trips and vehicle CO_2 (Appendix A); kg CO_2/gallon (The Climate Registry 2018).
Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram.

Table 13
Construction Haul Truck Diesel Demand

Phase	Trips	Vehicle MT CO_2	kg CO_2/gallon	Gallons
Demolition	0	0	10.21	0
Site Preparation	0	0	10.21	0
Grading	6,908	11.5	10.21	1,126.44
Trenching	0	0	10.21	0
Building Construction	0	0	10.21	0
Paving	0	0	10.21	0
Architectural Coating	0	0	10.21	0
			Total	**1,126.44**

Sources: Trips and vehicle CO_2 (Appendix A); kg CO_2/gallon (The Climate Registry 2018).
Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram.

In summary, construction of the project is conservatively anticipated to consume 3,559 gallons of gasoline and 27,239 gallons of diesel, which would last approximately 9 months. By comparison, California's consumption of petroleum is approximately 74.8 million gallons per day, which would equate to approximately 18.5 billion gallons of petroleum consumed in California over the course of the project construction period (EIA 2017). Therefore, the project would result in a minimal increase in petroleum fuel consumption, and impacts associated during construction would be less than significant. No mitigation is required.

Operation

Electricity

Operation of the project upon buildout would require electricity for multiple purposes, including cooling, lighting, appliances, and various equipment. Additionally, the supply, conveyance, treatment, and distribution of water and wastewater would indirectly result in electricity usage. Electricity consumption associated with project operation is based on the CalEEMod outputs presented in Appendix A.

CalEEMod default values for energy consumption for each land use were applied for the project analysis. The energy use from nonresidential land uses is calculated in CalEEMod based on the California Commercial End-Use Survey database. Energy use in buildings (both natural gas and electricity) is divided by the program into end use categories subject to Title 24 requirements (end uses associated with the building envelope, such as the HVAC system, water heating system, and integrated lighting) and those not subject to Title 24 requirements (such as appliances, electronics, and miscellaneous "plug-in" uses).

Title 24 of the California Code of Regulations serves to enhance and regulate California's building standards. The most recent amendments to Title 24, Part 6, referred to as the 2016 standards, became effective on January 1, 2017. Although not accounted for in the modeling, energy consumption of the project would also be reduced through installation of high-efficiency lighting and low flow toilets proposed by the District. According to these estimations, the proposed project would consume approximately 24,096 kilowatt-hours (kWh) per year during operation. For comparison, in 2017 the nonresidential electricity demand in Riverside County was 8,346,370,176 kWh (CEC 2018). For these reasons, the electricity consumption of the project would not be considered inefficient or wasteful, and impacts would be less than significant.

Natural Gas

The operation would require natural gas for various purposes, including water heating and natural gas appliances. Natural gas consumption associated with operation is based on the CalEEMod outputs in Appendix A. According to these estimations, the proposed project would consume approximately 34,575 kilo-British Thermal Units (kBtu) per year. For comparison, in 2017 the nonresidential natural gas use within Riverside County was 13,916,621,100 kBtu (CEC 2018). Since the project would comply with applicable Title 24 requirements and would result in a minimal increase in natural gas consumption, the project would not be considered inefficient or wasteful, and impacts would be less than significant.

Petroleum

During operations, the majority of fuel consumption resulting from the project would involve the use of motor vehicles traveling to and from the project site, as well as fuels used for alternative modes of transportation that may be used by students and employees.

Petroleum fuel consumption associated with motor vehicles traveling to and from the project site is a function of the VMT as a result of project operation. As shown in Appendix A (CalEEMod outputs and as discussed in Section 3.3, Air Quality, and Section 3.8, Greenhouse Gas Emissions), the annual VMT attributable to the proposed project is expected to be 119,218 VMT. Fuel consumption from on-road vehicle trips is estimated by converting the total CO_2 emissions from operation of the project to gallons using the conversion factors for CO_2 to gallons of gasoline or diesel. Based on the annual fleet mix provided in CalEEMod, 88.9% of the fleet range from light-duty to medium-duty vehicles and motorcycles are assumed to run on gasoline. The remaining 11.1% of vehicles represent medium-heavy duty to heavy-duty vehicles and buses and are assumed to run on diesel.

Calculations for annual mobile source fuel consumption are provided in Tables 14 (gasoline) and 15 (diesel).

Table 14
Annual Mobile Source Gasoline Demand

	Vehicle MT CO_2	kg CO_2/gallon	Gallons
Operation	50.33	8.78	5,732.40

Sources: Trips and vehicle CO_2 (Appendix A); kg CO_2/gallon (The Climate Registry 2018).
Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram

Table 15
Annual Mobile Source Diesel Demand

	Vehicle MT CO_2	kg CO_2/gallon	Gallons
Operation	6.28	10.21	615.37

Sources: Trips and vehicle CO_2 (Appendix A; kg CO_2/gallon (The Climate Registry 2018).
Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram

Over the lifetime of the project, the fuel efficiency of on-road vehicles of students, employees, and visitors commuting to the site is expected to increase. As such, the amount of petroleum consumed as a result of vehicular trips to and from the project site during operation would decrease over time. There are numerous regulations in place that require and encourage increased fuel efficiency. For example, CARB has adopted an approach to passenger vehicles by combining the control of smog-causing pollutants and GHG emissions into a single, coordinated package of standards. The approach also includes efforts to support and accelerate the number of plug-in hybrids and zero-emissions vehicles in California (CARB 2013). Additionally, in response to Senate Bill (SB) 375, CARB adopted the goal of reducing per-capita GHG emissions from 2005 levels by 8% by 2020, and 18% by 2035 for light-duty passenger vehicles in the planning area for the SCAG. As such, operation of the project is expected to use decreasing amounts of petroleum over time due to advances in fuel economy.

In summary, although the project would increase petroleum use during operation as a result of students, employees, and visitors commuting to the site, the use would be a small fraction of the state- and County-wide use and, due to efficiency increases, would diminish over time. Given these considerations, petroleum consumption associated with the project would not be considered inefficient or wasteful and would result in a less-than-significant impact. No mitigation is required.

b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Less-Than-Significant Impact. Part 6 of Title 24 of the California Code of Regulations was established in 1978 and serves to enhance and regulate California's building standards. Part 6 establishes energy efficiency standards for residential and nonresidential buildings constructed in California to reduce energy demand and consumption. Part 6 is updated periodically (every 3 years) to incorporate and consider new energy efficiency technologies and methodologies. Title 24 also includes Part 11, the California Green Building Standards Code (CALGreen). CALGreen institutes mandatory minimum environmental performance standards for all ground-up, new construction of commercial, low-rise residential, and

state-owned buildings, as well as schools and hospitals. The 2016 CALGreen standards became effective on January 1, 2017. The proposed project would meet Title 24 and CALGreen standards to reduce energy demand and increase energy efficiency.

The City's General Plan, Conservation Element, Update (City of Norco 2014a) contains relevant goals and policies including Section 2.9 Climate Action Plan/Sustainability Community Strategy Goal. As described by the City, the goal is to "develop and maintain Norco and its small-plot agriculture, animal keeping, and equestrian, lifestyle as a community that is economically, socially, and environmentally sustainable." These goals and policies reflect the City's active participation in the Western Riverside County Council of Governments (WRCOG) Climate Action Plan (CAP), and include policy on transportation, land use, energy efficiency, and solid waste. Although not included in the modeling of energy consumption, the District also proposes to utilize high efficiency lighting and low flow faucets and toilets and is consistent with the City's energy efficiency and building resource conservation policy. The proposed project would not conflict with the City's General Plan Policy.

The proposed project would not conflict with existing energy standards and regulations; therefore, impacts during construction and operation of the proposed project would be less than significant.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
VII. GEOLOGY AND SOILS – Would the project:				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☒	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☒	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐

3.7 Geology and Soils

a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Less-Than-Significant Impact. The site is located in the northern part of the Peninsular Ranges Geomorphic Province of southern California. Cretaceous igneous rocks of the Southern California batholith underlie the Peninsular Ranges at depth in this area. Northwest-trending, right-lateral, strike-slip faults dominate the structure of the Peninsular Ranges. The active Chino-Central Avenue Fault is present approximately 5 miles west of the site. This fault zone has experienced significant activity in the recent geologic past. The San Andreas Fault, the most active and extensive fault in California is located approximately 25 miles northeast of the site. Locally, the site is mapped as being underlain by Cretaceous micropegmatite granite of the Gavilan Ring Complex, with granitic bedrock also underlying the hilly terrain to the northeast.

According to the California Geological Survey's Earthquake Zones of Required Investigation web map, the project site is not located over any known faults and is not located near a pressure ridge or within a current State of California-designated Earthquake Fault Zone; therefore, the potential for future surface rupture of active faults on site is considered to be very low (DOC n.d.). Further, according to the City of Norco Safety Element, there are no active or potentially active faults present in the City (City of Norco 2013). Therefore, impacts associated with fault rupture would be less than significant.

ii) Strong seismic ground shaking?

Less-Than-Significant Impact. Similar to other areas located in the seismically active Southern California region, the City is susceptible to ground shaking caused by several local fault systems. The known regional active faults that could produce the most significant ground shaking at the site include the Chino-Central Avenue, San Jose, San Andreas, Whittier, and the Elsinore-Glen Ivy faults. The closest fault is the Chino-Central Avenue fault located approximately 5 miles away. However, as previously addressed in Section 3.6(a)(i), the project site is not located within an active fault zone, and the site would not be affected by ground shaking more than any other area in this seismic region. Additionally, the proposed project would be designed in accordance with all applicable provisions established in the current California Building Code, which sets forth specific engineering requirements to ensure structural integrity during a seismic event. Compliance with these requirements would reduce the potential risk to both people and structures with respect to strong seismic ground shaking. Therefore, impacts associated with strong seismic ground shaking would be less than significant.

iii) Seismic-related ground failure, including liquefaction?

Less-Than-Significant Impact. Liquefaction occurs when partially saturated soil loses its effective stress and enters a liquid state, which can result in the soil's inability to support structures above. Liquefaction can be induced by ground-shaking events and is dependent on soil saturation conditions. According to the City's General Plan, in its Safety Element, areas where liquefaction is a potential issue is along the Santa Ana River channel, located approximately 1.5 miles northeast of the project site. As such, the proposed project site is located in an area identified as having low liquefaction susceptibility. Additionally, per the current California Building Code, a geotechnical investigation report will be prepared for the project site and will provide relevant design recommendations to ensure structural integrity during seismic activity. Given these considerations, no impacts associated with liquefaction would occur.

iv) Landslides?

Less-Than-Significant Impact. There is no evidence of ancient landslides or slope instabilities at the site and there are no significant slopes located on or near the project site that may be considered susceptible to seismically induced landslides. The proposed project is located on relatively flat land aside from a 10-foot-high dirt lip along the south edge of the site. During the grading phase of the project, the project site would be leveled and the south slope would be removed. As a result, impacts resulting from landslides would be less than significant.

b) Would the project result in substantial soil erosion or the loss of topsoil?

Short-Term Construction Impacts

Less-Than-Significant Impact. Construction activities such as grading may have the potential to cause soil erosion or the loss of topsoil. Because the project would result in more than 1 acre of ground disturbance, the project would be subject to the National Pollutant Discharge Elimination System stormwater program, which includes obtaining coverage under the State Water Resources Control Board's General Permit for Discharges of Stormwater Associated with Construction Activity (Construction General Permit; Order 2009-0009-DWQ). Construction activities subject to the Construction General Permit include clearing, grading, and disturbances to the ground, such as stockpiling or excavation. The Construction General Permit requires development and implementation of a stormwater pollution prevention plan (SWPPP). Among the required items that must be included within a SWPPP are project design features intended to protect against substantial soil erosion as a result of water and wind erosion, commonly known as best management practices (BMPs). Typical BMPs include maintaining or creating drainages to convey and direct surface runoff from bare areas and installing physical barriers, such as berms, silt fencing, wattles, straw bales, and gabions. The implementation of a Construction General Permit, including preparation of a SWPPP and implementation of BMPs, would reduce both stormwater runoff and soil erosion impacts to acceptable levels. Therefore, short-term construction impacts associated with soil erosion would be less than significant.

Long-Term Operational Impacts

Less-Than-Significant Impact. Once developed, the project site would include a single-story structure and paved surfaces, all of which would stabilize and help retain on-site soils. The project site would also contain pervious landscape areas that would include a mix of trees, shrubs, plants, and groundcover, which would also help retain on-site soils while

preventing wind and water erosion from occurring. Therefore, long-term operational impacts associated with soil erosion would be less than significant.

c) Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Less-Than-Significant Impact. As previously discussed, the project site is not susceptible to landslide or liquefaction. Additionally, the proposed project would be designed in accordance with all applicable provisions established in the current California Building Code, which sets forth specific engineering requirements to ensure structural integrity, regardless of the specific characteristic of the underlying soils. Compliance with these requirements would reduce the potential risk to both people and structures with respect to a variety of geotechnical constraints. Therefore, impacts associated with unstable geologic units/soils would be less than significant.

d) Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating direct or indirect substantial risks to life or property?

Less-Than-Significant Impact. According to the U.S. Department of Agriculture Web Soil Survey, the soil beneath the project site consists of Cieneba rocky sandy loam, 15% to 50% slopes; Fallbrook sandy loam, 8% to 15% percent slopes, eroded; and Delhi fine sand, 2% to 15% percent slopes, wind-eroded. These types of soil have a medium to very low runoff class, and well-drained to somewhat excessive drainage class (USDA 2017). Based on the type of soils at the project site, expansive soils are not anticipated at the project site; therefore, impacts would be less than significant. Nonetheless, the proposed project will remove undocumented artificial fill and ensure proper fill placement and compaction to further reduce this already less-than-significant impact.

e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. The project would connect directly to the municipal sewer system and would not require septic tanks or any other alternative wastewater disposal system. Therefore, no impacts associated with the adequacy of soils and septic systems would occur.

f) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less-Than-Significant Impact with Mitigation Incorporated. The proposed project is located within the northernmost Peninsular Ranges geomorphic province (Norris and Webb 1990; CGS 2002). This geomorphic province is characterized by northwest-trending mountain ranges and valleys that extend over 900 miles from the tip of the Baja Peninsula to the Transverse Ranges (i.e., the San Bernardino and San Gabriel Mountains in Southern California). Regionally, the Peninsular Ranges are bounded to the east by the Colorado Desert and the west by the continental shelf and offshore islands (Santa Catalina, Santa Barbara, San Nicholas, and San Clemente) (Norris and Webb 1990; CGS 2002). Regional mountain ranges in the Peninsular Ranges geomorphic province include the Santa Ana, San Jacinto, and Santa Rosa Mountains. Geologically, these mountains are dominated by Mesozoic, plutonic igneous and metamorphic rocks that are part of the Peninsular Ranges batholith (Southern California batholith) (Jahns 1954).

More specifically, the proposed project is located within the Santa Ana Structural Block, along the Chino Fault zone (Morton et al. 2002). The Chino fault zone is part of the greater San Andreas Fault system, which is characterized by numerous strike-slip faults. The Chino fault zone is a northern extension of the Elsinore Fault zone. According to surficial geological mapping by Morton et al. (2002) at a scale of 1:24,000, the southern proposed project area is underlain by early Pleistocene (~ 2.58 million years ago [mya] – 781,000 years ago) to possibly late Pliocene (~ 3.6 mya – 2.58 mya) sedimentary rocks, and the northern proposed project area is underlain by Cretaceous (~ 145 mya – 66 mya) Micropegmatitic granite of Gavilan Ring Complex, consisting of pink-tinted leucocratic granite (map unit Kmp).

A qualified Dudek crossed-trained archaeologist/paleontologist conducted a paleontological survey of the proposed project area on June 13, 2018, using standard paleontological procedures and techniques. The survey methods consisted of a pedestrian survey conducted in 15-meter-wide transects across the proposed project area. Where transects were not feasible, transects were not utilized. Instead, a mixed approach (opportunistic survey) was utilized, selectively examining open ground surface where possible. The proposed project area is within an area that has been extensively impacted by grading activities; there are several spoils piles throughout the site as well as large areas that have been graded.

In addition to the field survey of the proposed project area, a paleontological records search request was sent to the Natural History Museum of Los Angeles County (LACM) on August 16, 2018 (McLeod 2018), and the results were received on August 30, 2018. According to the records search, no paleontological localities are documented within of the proposed project boundaries (McLeod 2018), but the LACM did report a few localities nearby from sedimentary deposits similar to those that occur in the proposed project area. The northern and eastern portions of the project area have intrusive igneous bedrock;

however, the southwestern portion of the project is composed of unnamed Pleistocene sedimentary deposits that have yielded vertebrate fossils from nearby. The nearest LACM locality is LACM 1207, which was recovered south of the proposed project between Railroad Avenue and Harrison Street on the western side of Cota Street that yielded a deer specimen (*Odocoileus*) from an unspecified depth below the ground surface (bgs). The next closest vertebrate fossil locality, LACM 7811, yielded a specimen of fossil whipsnake (*Masticophis*) north–northwest of the proposed project north of Cloverdale Road along Sumner Avenue at a depth of 9 to 11 feet below ground surface. Therefore, the LACM recommended a paleontological mitigation program for excavations in the sedimentary deposits in the southwestern portion of the project area (McLeod 2018).

Several classification schemes exist to determine the paleontological sensitivity of geological units. According to the Society of Vertebrate Paleontology's guidelines for assessment of paleontological resources (SVP 2010), plutonic igneous rocks have no paleontological potential to yield significant paleontological resources while Pleistocene alluvium has high paleontological sensitivity. A review of the Riverside County Land Information System database indicates that the proposed project site is underlain by geological units of low paleontological potential (County of Riverside 2018). Note that the Riverside County Land Information System database is a coarse-scale planning-level tool used by the County that is based on geological data available at the time of its creation.

No paleontological resources were identified within the project area as a result of the field survey, institutional records search, and desktop geological and paleontological review, and the proposed project site is not anticipated to be underlain by unique geologic features. The proposed project area is mapped as being underlain by Cretaceous plutonic igneous rocks that have no potential to yield significant paleontological resources and early Pleistocene to late Pliocene sedimentary rocks. Given the proximity of past fossil discoveries in the surrounding area and the underlying older Pleistocene age deposits, the project area is sensitive for supporting paleontological resources where Pleistocene alluvium crops out on the surface. In the event that intact paleontological resources are located on the project area, ground-disturbing activities associated with construction of the proposed project, such as grading during site preparation and trenching for utilities, have the potential to destroy a unique paleontological resource or site. Without mitigation, the potential damage to paleontological resources during construction would be a potentially significant impact. However, upon implementation of **MM-GEO-1**, impacts would be reduced to below a level of significance. Impacts of the proposed project are considered less than significant with mitigation incorporated during construction**.** No further mitigation is required.

MM-GEO-1 Prior to commencement of any grading activity on-site, the applicant shall retain a qualified Riverside County paleontologist. The paleontologist shall prepare a Paleontological Resources Impact Mitigation Program (PRIMP) for the proposed project. The PRIMP shall be consistent with the guidelines

of the Society of Vertebrate Paleontology (SVP 2010); identify areas underlain by Pleistocene to Pliocene sedimentary deposits that require paleontological monitoring; and outline discovery procedures, methods, reporting, and collections management. The qualified paleontologist or a qualified paleontological monitor working under the direction of the qualified paleontologist shall attend the pre-construction meeting and be on site during rough grading and other significant ground-disturbing activities in previously undisturbed Pleistocene sedimentary deposits, if encountered. No monitoring in areas underlain by plutonic igneous rocks is required. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot-radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS – Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

3.8 Greenhouse Gas Emissions

a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less-Than-Significant Impact. Climate change refers to any significant change in measures of climate (e.g., temperature, precipitation, or wind patterns) lasting for an extended period of time (i.e., decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system, and many factors (natural and human) can cause changes in Earth's energy balance. The greenhouse effect is the trapping and buildup of heat in the atmosphere near the Earth's surface (the troposphere). The greenhouse effect is a natural process that contributes to regulating the Earth's temperature, and it creates a livable

environment on Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise. Global climate change is a cumulative impact; a project contributes to this impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. Thus, GHG impacts are recognized exclusively as cumulative impacts (CAPCOA 2008).

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code Section 38505(g) for purposes of administering many of the state's primary GHG emissions reduction programs, GHGs include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride (see also CEQA Guidelines Section 15364.5).[6] The three GHGs evaluated herein are CO_2, CH_4, and N_2O because these gases would be emitted during proposed project construction and operations.

The Intergovernmental Panel on Climate Change developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The reference gas used is CO_2; therefore, GWP-weighted emissions are measured in metric tons (MT) of CO_2 equivalent (CO_2e). Consistent with CalEEMod Version 2016.3.2, this GHG emissions analysis assumed the GWP for CH_4 is 25 (i.e., emissions of 1 MT of CH_4 are equivalent to emissions of 25 MT of CO_2), and the GWP for N_2O is 298, based on the Intergovernmental Panel on Climate Change's Fourth Assessment Report (IPCC 2007).

As discussed in Section 3.3, Air Quality, the proposed project is located within the jurisdictional boundaries of the SCAQMD. In October 2008, the SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document—Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008b). This document, which builds on the previous guidance prepared by the California Air Pollution Control Officers Association, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO_2e per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency (SCAQMD 2008c). The 10,000 MT CO_2e per-year threshold,

[6] Climate-forcing substances include GHGs and other substances such as black carbon and aerosols. This discussion focuses on the seven GHGs identified in the California Health and Safety Code Section 38505; impacts associated with other climate-forcing substances are not evaluated herein.

which was derived from GHG reduction targets established in Executive Order S-3-05, was based on the conclusion that the threshold was consistent with achieving an emissions capture rate of 90% of all new or modified stationary source projects.

The SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, the SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. The SCAQMD has continued to consider adoption of significance thresholds for residential and general land use development projects. The most recent proposal issued by SCAQMD, issued in September 2010, uses the following tiered approach to evaluate potential GHG impacts from various uses (SCAQMD 2010):

Tier 1. Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.

Tier 2. Consider whether or not the proposed project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.

Tier 3. Consider whether the project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 MT CO_2e per-year threshold for industrial uses would be recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO_2e per year), commercial projects (1,400 MT CO_2e per year), and mixed-use projects (3,000 MT CO_2e per year). Under option 2, a single numerical screening threshold of 3,000 MT CO_2e per year would be used for all non-industrial projects. If the project generates emissions in excess of the applicable screening threshold, move to Tier 4.

Tier 4. Consider whether the project generates GHG emissions in excess of applicable performance standards for the project service population (population plus employment). The efficiency targets were established based on the goal of Assembly Bill (AB) 32 to reduce statewide GHG emissions to 1990 levels by 2020. The 2020 efficiency targets are 4.8 MT CO_2e per-service population for project-level analyses and 6.6 MT CO_2e per-service population for plan-level analyses. If the project generates emissions in excess of the applicable efficiency targets, move to Tier 5.

Tier 5. Consider the implementation of CEQA mitigation (including the purchase of GHG offsets) to reduce the project efficiency target to Tier 4 levels.

To determine the proposed project's potential to generate GHG emissions that would have a significant impact on the environment, its GHG emissions were compared to the SCAQMD recommended commercial project quantitative threshold of 1,400 MT CO_2e per year.

Construction GHG Emissions

Construction of the proposed project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road vendor trucks, and worker vehicles. The SCAQMD recommends that "construction emissions be amortized over a 30-year project lifetime, so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies" (SCAQMD 2008b). Thus, the total construction GHG emissions were calculated, amortized over 30 years, and added to the total operational emissions for comparison with the GHG significance threshold of 1,400 MT CO_2e per year. The determination of significance, therefore, is addressed in the operational emissions discussion following the estimated construction emissions.

CalEEMod was used to calculate the annual GHG emissions based on the construction scenario described in Section 3.3. Construction of the proposed project is anticipated to commence in April 2020 lasting a total of 9 months. On-site sources of GHG emissions include off-road equipment and off-site sources including haul trucks, vendor trucks, and worker vehicles. Table 16 presents construction GHG emissions for the proposed project in 2019 and 2020 from on-site and off-site emission sources.

Table 16
Estimated Annual Construction GHG Emissions

Year	CO2	CH4	N2O	CO2e
	Metric Tons per Year			
2019	72.51	0.018	0.00	72.96
2020	236.85	0.041	0.00	237.88
			Total	**310.84**
			Amortized Emissions (over 30 years)	**10.36**

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Appendix A for complete results.

As shown in Table 16, the estimated total GHG emissions during construction of the proposed project would be approximately 311 MT CO_2e. Estimated project-generated construction emissions amortized over 30 years would be approximately 10.4 MT CO_2e per year. As with

project-generated construction air quality pollutant emissions, GHG emissions generated during construction of the proposed project would be short-term in nature, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions. Because there is no separate GHG threshold for construction, the evaluation of significance is discussed in the operational emissions analysis in the following text.

Operational Emissions

CalEEMod Version 2016.3.2 was used to estimate potential project-generated operational GHG emissions from vehicular sources, area sources (natural gas combustion and landscape maintenance), electrical generation (including electrical generation associated with water supply and wastewater treatment), and solid waste. Emissions from each category—area sources, energy sources, mobile sources, solid waste, and water supply and wastewater treatment—is discussed in the following text with respect to the proposed project. For additional details, see Section 3.3 for a discussion of operational emission calculation methodology and assumptions, specifically for area, energy (natural gas), and mobile sources. Operational year 2021 was assumed to be the first full year of operation following completion of construction.

Area Sources

CalEEMod was used to estimate GHG emissions from the proposed project's area sources, which include operation of gasoline-powered landscape maintenance equipment, which produce minimal GHG emissions. It was assumed that 100% of the landscaping equipment would be gasoline powered. Consumer product use and architectural coatings result in VOC emissions, which are analyzed in air quality analysis only.

Energy Sources

The estimation of operational energy emissions was based on CalEEMod land use defaults and units or total area (i.e., square footage) of the proposed project's land uses. For nonresidential buildings, CalEEMod energy intensity value (electricity or natural gas usage per square foot per year) assumptions were based on the California Commercial End-Use Survey database. Emissions are calculated by multiplying the energy use by the utility carbon intensity (pounds of GHGs per kilowatt-hour for electricity or 1,000 British thermal units for natural gas) for CO_2 and other GHGs. Annual natural gas (non-hearth) and electricity emissions were estimated in CalEEMod using the emissions factors for SCE, which would be the energy source provider for the proposed project. CalEEMod default energy intensity factors (CO_2, CH_4, and N_2O mass emissions per kilowatt-hour) for SCE is based on the value for SCE's energy mix in 2012, adjusted based on SCE 2017 Power Content Label.

Mobile Sources

All details for criteria air pollutants discussed in Section 3.3 are also applicable for the estimation of operational mobile source GHG emissions. Regulatory measures related to mobile sources include AB 1493 (Pavley) and related federal standards. AB 1493 required that CARB establish GHG emission standards for automobiles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the state. In addition, the National Highway Safety Administration and EPA have established corporate fuel economy standards and GHG emission standards, respectively, for automobiles and light-, medium-, and heavy-duty vehicles. Implementation of these standards and fleet turnover (replacement of older vehicles with newer ones) will gradually reduce emissions from the proposed project's motor vehicles. The effectiveness of fuel economy improvements was evaluated by using the CalEEMod emission factors for motor vehicles in 2021 to the extent it was captured in EMFAC 2014. In addition, the Low Carbon Fuel Standard calls for a 10% reduction in the "carbon intensity" of motor vehicle fuels by 2020. However, the carbon intensity reduction associated with the Low Carbon Fuel Standard was not assumed in EMFAC 2014 and thus was not included in CalEEMod Version 2016.3.2 or the calculations below, which are therefore considered conservative.

Solid Waste

The proposed project would generate solid waste, and therefore, result in CO_2e emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation were used to estimate GHG emissions associated with solid waste.

Water and Wastewater

Supply, conveyance, treatment, and distribution of water for the proposed project require the use of electricity, which would result in indirect GHG emissions. Similarly, wastewater generated by the proposed project requires the use of electricity for conveyance and treatment, along with GHG emissions generated during wastewater treatment. Water consumption estimates for both indoor and outdoor water use and associated electricity consumption from water use and wastewater generation were estimated using CalEEMod. The analysis assumes low-flow faucets and toilets based on information provided by the District.

The estimated operational (year 2021) project-generated GHG emissions from area sources, energy usage, motor vehicles, solid waste generation, and water usage and wastewater generation are shown in Table 17.

Table 17
Estimated Annual Operational GHG Emissions

Emission Source	CO_2	CH_4	N_2O	CO_2e
	metric tons per year			
Area	<0.01	0.00	0.00	<0.01
Energy	8.71	<0.01	<0.01	8.75
Mobile	56.54	<0.01	0.00	56.61
Solid waste	0.66	0.04	0.00	1.63
Water supply and wastewater	1.10	<0.01	<0.01	1.23
			Total	**68.23**
			Amortized Construction Emissions	*10.36*
			Operation + Amortized Construction Total	**78.59**

Notes: CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.
See Appendix A for detailed results. Values of "<0.01" indicate that the estimated emissions are less than two decimals. Totals may not sum due to rounding.

As shown in Table 17, estimated annual project-generated GHG emissions would be approximately 68 MT CO_2e per year as a result of proposed project operation. Estimated annual project-generated operational emissions in 2021 and amortized project construction emissions would be approximately 79 MT CO_2e per year. Annual operational GHG emissions with amortized construction emissions would be minimal and would not exceed the SCAQMD threshold of 1,400 MT CO_2e per year. Therefore, the proposed project's GHG contribution would not be cumulatively considerable and is **less than significant**.

b) Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less-Than-Significant Impact. The proposed project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs.

Western Riverside County Council of Governments Climate Action Plan

The City of Norco is one of 12 cities that are part of the WRCOG CAP (WRCOG 2014). WRCOG's subregional emissions reduction targets are 15% below 2010 levels by 2020, and 49% below 2010 levels by 2035. This plan focuses on feasible actions Western Riverside County communities can and should take between now and 2020, as well as

innovative approaches that will be needed to achieve the 2035 target. The CAP identifies objectives and actions in four categories to meet the 2020 GHG emission target as follows.

1. Energy
2. Transportation and Land Use
3. Solid Waste
4. Water

The City's General Plan, Conservation Element Update (City of Norco 2014a) contains relevant goals and policies, including Section 2.9 Climate Action Plan/Sustainability Community Strategy Goal. As described by the City, the goal is to "develop and maintain Norco and its small-plot agriculture, animal keeping, and equestrian, lifestyle as a community that is economically, socially, and environmentally sustainable." These goals and policies reflect the City's active participation in the WRCOG CAP, and include policies for transportation, land use, energy efficiency and solid waste.

The proposed project results in a relocation of services already provided to students within the Norco College campus and as such does not result in population growth or generate an increase in employment that would conflict with existing projections in the area. The proposed project is consistent with transportation and land use policies. The District proposes to utilize high-efficiency lighting and low-flow faucets and toilets, which is consistent with the City's energy efficiency and building resource conservation policy. The proposed project does not conflict with or preclude the City from implementation of any policies of Section 2.9 Climate Action Plan/Sustainability Community Strategy Goal. As such, the proposed project is consistent with the City's goal of environmental sustainability. The proposed project would not conflict with the City's General Plan Policy or with implementation of the WRCOG CAP.

Southern California Association of Governments 2016 RTP/SCS

The SCAG 2016 RTP/SCS is a regional growth-management strategy that targets per-capita GHG reduction from passenger vehicles and light-duty trucks in the Southern California region pursuant to SB 375. In addition to demonstrating the region's ability to attain and exceed the GHG emission-reduction targets set forth by CARB, the 2016 RTP/SCS outlines a series of actions and strategies for integrating the transportation network with an overall land use pattern that responds to projected growth, housing needs, changing demographics, and transportation demands. Thus, successful implementation of the 2016 RTP/SCS would result in more complete communities with a variety of

transportation and housing choices, while reducing automobile use. With regard to individual developments, such as the proposed project, the strategies and policies set forth in the 2016 RTP/SCS can be grouped into the following three categories: (1) reduction of vehicle trips and VMT, (2) increased use of alternative fuel vehicles, and (3) improved energy efficiency. The project's consistency with these three strategy categories is presented below.

1. Consistency with VMT Reduction Strategies and Policies

The proposed project's consistency with this aspect of the 2016 RTP/SCS is demonstrated via the project's land use characteristics and consistency with the regional growth forecast assumed in the 2016 RTP/SCS for the City. As discussed in Section 3.11, the proposed project site is already being used by the District as a passive recreation park to honor and commemorate Norco College's veteran population. Norco College has been identified in both the City of Norco's General Plan and Zoning Ordinance for such a purpose. The proposed project would not conflict with any of the proposed goals within the City of Norco's General Plan. Furthermore, once operational, the proposed project would consist of a new building for the Veterans Resource Center. The District, as the lead agency, has anticipated the addition of such a space as part of its master planning efforts for the College. Vehicle trip generation as a result of the proposed project is concluded to have been anticipated in the SCAG 2016 RTP/SCS growth projections because the proposed project site would be accommodated by the City's predicted projections.

2. Increased Use of Alternative Fueled Vehicles Policy Initiative

The second goal of the 2016 RTP/SCS, with regard to individual development projects such as the proposed project, is to increase alternative fueled vehicles to reduce per-capita GHG emissions. This 2016 RTP/SCS policy initiative focuses on accelerating fleet conversion to electric or other near zero-emission technologies. The proposed project would comply with the applicable 2016 CALGreen standards. As provided in Section 3.17, the project would generate a low number of daily traffic and peak hour trips that would be part of existing college related activities, it would not cause a measurable impact to the roadway segment and intersections in the study area.

3. Energy Efficiency Strategies and Policies

The third important focus within the 2016 RTP/SCS, for individual developments such as the proposed project, involves improving energy efficiency (e.g., reducing energy consumption) to reduce GHG emissions. The 2016 RTP/SCS goal is to actively encourage

and create incentives for energy efficiency, where possible. The proposed project would comply with the applicable 2016 CALGreen standards. Additionally, the District proposes use of high-efficiency lighting and low-flow toilets.

Based on the analysis above, the proposed project would be consistent with the SCAG 2016 RTP/SCS.

California Air Resources Board Scoping Plan and Reduction Goals

The Climate Change Scoping Plan, approved by CARB in 2008 and updated in 2014 and 2017, provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. The Scoping Plan is not directly applicable to specific projects and it is not intended to be used for project-level evaluations.[7] Under the Scoping Plan, however, there are several state regulatory measures aimed at identifying and reducing GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, and high-GWP GHGs in consumer products) and changes to the vehicle fleet (e.g., hybrid, electric, and more fuel-efficient vehicles) and associated fuels, among others.

Regarding consistency with SB 32 (goal of reducing GHG emissions to 40% below 1990 levels by 2030) and Executive Order S-3-05 (goal of reducing GHG emissions to 80% below 1990 levels by 2050), there are no established protocols or thresholds of significance for that future-year analysis. However, CARB has expressed optimism with regard to both the 2030 and 2050 goals. In the First Update to the Climate Change Scoping Plan: Building on the Framework, CARB states that "California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32" (CARB 2014). With regard to the 2050 target for reducing GHG emissions to 80% below 1990 levels, CARB (2014) states the following:

> This level of reduction is achievable in California. In fact, if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under Assembly Bill 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to

[7] The Final Statement of Reasons for the amendments to the CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that "[t]he Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (CNRA 2009).

> 80% below 1990 levels by 2050. Additional measures, including locally driven measures and those necessary to meet federal air quality standards in 2032, could lead to even greater emission reductions.

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32, SB 32, and Executive Order S-3-05. This is confirmed in the 2017 Climate Change Scoping Plan Update, which states (CARB 2017b):

> The Proposed Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while also identifying new, technologically feasible and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Proposed Plan is developed to be consistent with requirements set forth in AB 32, SB 32, and AB 197.

The proposed project would not interfere with implementation of GHG reduction goals for 2030 or 2050 because it would not exceed the SCAQMD's recommended threshold of 1,400 MT CO_2e per year. In addition, the proposed project would not conflict with the WRCOG CAP or the SCAG RTP/SCS or with the state's trajectory toward future GHG reductions. Therefore, the proposed project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs; impacts would be less than significant.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☒	☐	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☒	☐	☐

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
d) Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☒	☐	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☒	☐

3.9 Hazards and Hazardous Materials

a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

A Supplemental Site Investigation Report (Appendix E) and associated soil and soil vapor sampling was conducted in order to obtain approval from the Department of Toxic Substances Control (DTSC) for construction of the Veterans Resource Center at the site. The subsurface investigation was conducted on September 10, 2019. In addition to subsurface sampling, the investigation also included a geophysical survey conducted on September 3, 2019. The purpose of the geophysical survey was to identify underground utilities near sample locations, to allow for safe drilling.

Soil Vapor Sampling

To determine whether vapor intrusion issues may exist at the site, soil vapor samples were collected from 16 locations throughout the site. Soil vapor sampling was performed by advancing borings to a maximum depth of 13 to 15 feet bgs and installing soil vapor probes. VOCs were detected in all of the soil vapor samples analyzed from the 16 locations throughout

the site. However, as shown in Appendix E, none of the detected VOCs exceeded the regulatory screening thresholds. Soil vapor sample locations are presented in Appendix E.

Soil Sampling

Soil samples were collected from each of the locations to determine whether there are impacts to the shallow soil at the site and to visually evaluate the soils for the presence of burn ash. Soil samples were collected from each of the soil vapor probe boreholes (S1 through S16) and the borrow area borings (BA1 through BA4). Each of the borings were continuously cored to 4 feet bgs (BA locations), 10 feet bgs (S7 through S16), 13 feet bgs (S1 and S4), and 15 feet bgs (S2, S3, S5, and S6). The soils encountered at the site were primarily sand, sandy silt, and silty sand; fine gravel was noted in the majority of the borings advanced at the site. A small piece of black rubber was observed at approximately 7 feet bgs at location S13; debris was not observed in any other borings advanced at the site. Burn ash was not observed in any of the borings advanced during the investigation.

Intact soil samples were collected in acetate liners. Upon collection, the acetate liners were capped, labeled, placed in a Ziploc bag, and placed in a cooler on ice. The samples were submitted to Eurofins-Calscience Laboratories for compositing; the samples to be analyzed for dioxins and furans were analyzed by Frontier Analytical Laboratory.

A total of ten soil samples (including one duplicate sample) were composited by the laboratory, Eurofins-Calscience. Soil samples collected at predetermined locations from the same depth were composited together. For example, soil samples from locations S3-2, S4-2, and S5-2 (all collected from 2 feet bgs) were composited into sample COMP1-2. The composite soil sample locations are presented in Appendix E. The ten composite soil samples were analyzed for the following:

- Title 22 Metals by EMA Method 6010B/7471A
- Polychlorinated biphenyls (PCBs) by EPA Method 8082
- Dioxins and Furans by EPA Method 8290

The concentrations of metals detected in the soil samples were all well below their applicable regulatory screening levels. PCBs were not detected at or above the laboratory reporting limits in any of the samples. The concentrations of dioxins and furans detected in soil samples were also well below the applicable regulatory screening levels.

Short-Term Construction Impacts

Less-Than-Significant Impact With Mitigation Incorporated. A variety of hazardous substances and wastes would be transported to, stored, used, and generated on the project site during construction of the proposed project. These would include fuels for machinery and vehicles, new and used motor oils, cleaning solvents, paints, and storage containers and applicators containing such materials. Accidental spills, leaks, fires, explosions, or pressure releases involving hazardous materials represent a potential threat to human health and the environment if not properly treated. However, these materials would be transported, used, and disposed of in accordance with all federal, state, and local laws regulating the management and use of hazardous materials. For example, hazardous materials would not be disposed of or released onto the ground or into the underlying groundwater or any surface water during construction or operation of the project, and completely enclosed containment would be required for all refuse generated on the project site. Additionally, all construction waste, including trash, litter, garbage, solid waste, petroleum products, and any other potentially hazardous materials, would be removed to a waste facility permitted to treat, store, or dispose of such materials. Use of these materials during construction for their intended purpose would not pose a significant risk to the public or the environment.

The transport and use of hazardous materials would be required to comply with the guidelines set forth by each product's manufacturer, as well as in accordance with all applicable federal, state, and local regulations. The U.S. Department of Transportation, the California Department of Health Services, Caltrans, and the California Highway Patrol all have interrelated programs designed to prevent disasters during the transportation of hazardous materials. Additionally, the EPA and OSHA have interrelated programs designed to prevent the misuse of hazardous materials in the work place.

As described above, a Supplemental Site Investigation Report (Appendix E) and associated soil and soil vapor sampling was conducted in order to obtain approval from DTSC for construction of the Veterans Resource Center at the site. None of the detected VOCs within the soil vapor samples exceeded the regulatory screening thresholds. The concentrations of metals detected in the soil samples were all well below their applicable regulatory screening levels. PCBs were not detected at or above the laboratory reporting limits in any of the samples. The concentrations of dioxins and furans detected in soil samples were also well below the applicable regulatory screening levels.

However, mitigation measure MM-HAZ-1 would be implemented to ensure that the construction of the project would not create a significant hazard to the public or the

environment through the routine transport, use, or disposal of hazardous materials. MM-HAZ-1 would require the preparation and implementation of a Soil Management Plan. With implementation of MM-HAZ-1, impacts would be less than significant with mitigation.

MM-HAZ-1 Although contaminated soils were not encountered during the Supplemental Site Investigation at the proposed project site, a Soil Management Plan (SMP) will be prepared prior to the commencement of construction at the site. The SMP will include procedures to identify, address, and manage contaminated soils, should they be encountered during excavation and grading activities at the site. The SMP will be submitted to the Department of Toxic Substances Control for approval.

Long-Term Operational Impacts

Less-Than-Significant Impact. Potentially hazardous materials associated with project operations would include those materials used during typical cleaning and maintenance activities. Although these potential hazardous materials would vary, they would generally include household cleaning products, paints, fertilizers, and herbicides and pesticides. Many of these materials are considered household hazardous wastes, common wastes, and/or universal wastes by the EPA, which considers these types of wastes to be common to businesses and households and to pose a lower risk to people and the environment than other hazardous wastes when properly handled, transported, used, and disposed of. Federal, state, and local regulations typically allow these types of wastes to be handled and disposed of with less stringent standards than other hazardous wastes, and many of these wastes do not have to be managed as hazardous waste. Additionally, any potentially hazardous material handled on the project site would be limited in both quantity and concentrations, consistent with other similar institutional uses located in the City, and any handling, transport, use, and disposal would comply with applicable federal, state, and local agencies and regulations. As mandated by OSHA, all hazardous materials stored on the project site would be accompanied by a Material Safety Data Sheet, which would inform employees and first responders as to the necessary remediation procedures in the case of accidental release.

As described above, a Supplemental Site Investigation Report (Appendix E) and associated soil and soil vapor sampling was conducted in order to obtain approval from DTSC for construction of the Veterans Resource Center at the site. None of the detected VOCs in the soil vapor samples resulted in levels above the applicable regulatory screening levels. The concentrations of metals detected in the soil samples were all well below their applicable regulatory screening levels. PCBs were not detected at or above the laboratory reporting limits in any of the samples. The concentrations of dioxins and furans detected in soil samples were also well below the applicable regulatory screening levels. Therefore, operation of the project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. Impacts are less than significant, and no mitigation is required.

b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less-Than-Significant Impact With Mitigation Incorporated. As discussed previously in Section 3.8(a), construction activities on the project site would involve the transport of gasoline and other materials to the site during construction. Relatively small amounts of commonly used hazardous substances, such as gasoline, diesel fuel, lubricating oil, grease, and solvents, would be used on site for construction and maintenance. The materials alone and use of these materials for their intended purpose would not pose a significant risk to the public or environment; however, accidental spills of hazardous materials during construction could potentially result in soil contamination or water quality impacts. To minimize/eliminate fuel spillage, all construction vehicles would be adequately maintained and equipped. All equipment maintenance work, including refueling, will occur off site or within the designated construction staging area. All potentially hazardous construction waste, including trash, litter, garbage, other solid wastes, petroleum products, and other potentially hazardous materials, would be removed to a hazardous waste facility permitted to treat, store, or dispose of such materials.

A Supplemental Site Investigation Report (Appendix E) and associated soil and soil vapor sampling was conducted in order to obtain approval from DTSC for construction of the Veterans Resource Center at the site. None of the detected VOCs within the soil vapor samples exceeded the regulatory screening thresholds. The concentrations of metals detected in the soil samples were all well below their applicable regulatory screening levels. PCBs were not detected at or above the laboratory reporting limits in any of the samples. The concentrations of dioxins and furans detected in soil samples were also well below the applicable regulatory screening levels.

However, mitigation measure MM-HAZ-1 would be implemented to ensure that the construction of the project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. MM-HAZ-1 would require the preparation and implementation of a Soil Management Plan. With implementation of MM-HAZ-1, impacts would be less than significant with mitigation.

c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less-Than-Significant Impact With Mitigation Incorporated. John F. Kennedy Middle College High School, part of the Corona-Norco Unified School District and an "alternative school of choice" providing both high school and college level courses, is located approximately 700 feet from the most northeastern border of the proposed project site.

As discussed previously in Sections 3.8(a) and 3.8(b), limited amounts of hazardous materials would be used during construction and operation of the project, including the use of standard construction materials (e.g., lubricants, solvents and paints), cleaning and other maintenance products (used in the maintenance of buildings, pumps, pipes and equipment), and the limited application of pesticides associated with landscaping. These materials would be transported and handled in accordance with all federal, state, and local laws regulating the management and use of hazardous materials. None of these activities would result in the routine transport of, emission, or disposal of hazardous materials, and no acutely hazardous materials would be used on site during construction or operation of the proposed project. All construction activity would be performed in compliance with City and County of Riverside regulations, and compliance with these regulations would ensure that the general public would not be exposed to any unusual or excessive risks related to hazardous materials during construction activities on the project site.

A Supplemental Site Investigation Report (Appendix E) and associated soil and soil vapor sampling was conducted in order to obtain approval from DTSC for construction of the Veterans Resource Center at the site. None of the detected VOCs within the soil vapor samples exceeded the regulatory screening thresholds. The concentrations of metals detected in the soil samples were all well below their applicable regulatory screening levels. PCBs were not detected at or above the laboratory reporting limits in any of the samples. The concentrations of dioxins and furans detected in soil samples were also well below the applicable regulatory screening levels.

However, mitigation measure MM-HAZ-1 would be implemented to ensure that the construction of the project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. MM-HAZ-1 would require the preparation and implementation of a Soil Management Plan. With implementation of MM-HAZ-1, impacts would be less than significant with mitigation.

d) Would the project be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Less-Than-Significant Impact With Mitigation Incorporated. A Supplemental Site Investigation Report (Appendix E) and associated soil and soil vapor sampling was conducted in order to obtain approval from DTSC for construction of the Veterans Resource Center at the site. None of the detected VOCs within the soil vapor samples exceeded the regulatory screening thresholds. The concentrations of metals detected in the soil samples were all well below their applicable regulatory screening levels. PCBs were not detected at or above the laboratory reporting limits in any of the samples. The concentrations of dioxins and furans detected in soil samples were also well below the applicable regulatory screening levels.

However, mitigation measure MM-HAZ-1 would be implemented to ensure that the construction of the project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. MM-HAZ-1 would require the preparation and implementation of a Soil Management Plan. With implementation of MM-HAZ-1, impacts would be less than significant with mitigation.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. According to the City's General Plan Safety Element, the City is not located within any Airport Land Use Compatibility Zones for any of the airports in the region including Ontario, Riverside, Chino, or Corona (City of Norco 2013). The proposed project site is located approximately 2 miles from the Corona Municipal Airport, but it is not located within an Airport Compatibility Zone or an Airport Influence Area. No impacts would result, and the proposed project would not create any undue risks or safety hazards to people either residing or working in the project area.

f) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less-Than-Significant Impact. The Riverside Community College District Emergency Operations Plan was adopted by the District in 2008 and addresses the District's planned response to emergencies associated with natural disasters, technological incidents, human-made disasters, and national security emergencies (District 2008). The Plan is intended to address extraordinary emergency situations; day-to-day emergencies and emergency access routes are not established. Given that Third Street is the only roadway that provides ingress and egress for the Norco College campus, Third Street is a de facto emergency access route for Norco College.

Construction of the project, including construction of the project driveway, would cause temporary lane closures within Third Street and could temporarily obstruct emergency access. However, in order to execute improvements within the Third Street right-of-way, the District would be required to obtain an encroachment permit from the City. As a requirement for the City's encroachment permit, the project would be required to prepare and submit a Traffic Control Plan (TCP). The TCP would define the locations of all lanes that would need to be temporarily closed due to construction activities, and also define the use of flag persons, warning signs, lights, barricades, cones, and other necessary measures for each construction closure. The TCP would also include provisions to accommodate emergency services at all times, such as stopping work for emergency vehicle passage and short detours around project construction. Police departments, fire departments, ambulance services, and paramedic services would be noticed at least 1 week in advance of each closure by the District. These provisions would ensure that Third Street would be able to continue to provide emergency access throughout the duration of project construction. Further, the project would not interfere with the District's ability to implement its Emergency Operations Plan.

Once constructed, operation of the proposed project would not result in any actions that would significantly impair or physically interfere with an adopted emergency response plan or emergency evacuation plan. Therefore, impacts associated with adopted emergency response plans or emergency evacuation plans are less than significant.

g) Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Less-Than-Significant Impact. According to maps prepared by CAL FIRE, much of the project site is located within a Very High Severity Fire Hazard Zone (CAL FIRE 2010). The proposed project is located in an area where urban development currently exists and is

not susceptible to the threat of fire from wildlands. While there is a substantial amount of open space around Lake Norconian to the north of the Norco College campus, this area does not represent a significant source of wildland fire risk, and the proposed project itself is not located within a fire hazard area. Impacts would be less than significant.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
X. HYDROLOGY AND WATER QUALITY – Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would				
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;	☐	☐	☒	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☐	☒
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

3.10 Hydrology and Water Quality

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Short-Term Construction Impacts

Less-Than-Significant Impact. Construction of the project would include earthwork activities that could potentially result in erosion and sedimentation, which could subsequently degrade downstream receiving waters and violate water quality standards. Stormwater runoff during the construction phase may contain silt and debris, resulting in a short-term increase in the sediment load of the municipal storm drain system. Substances such as oils, fuels, paints, and solvents may be inadvertently spilled on the project site and subsequently conveyed via stormwater to nearby drainages, watersheds, and groundwater.

Because the project would result in more than 1 acre of ground disturbance, the project would be subject to the National Pollutant Discharge Elimination System stormwater program, which includes obtaining coverage under the State Water Resources Control Board's Construction General Permit. Construction activities subject to the Construction General Permit include clearing, grading, and disturbances to the ground such as stockpiling or excavation. The Construction General Permit requires development and implementation of a SWPPP. Among the required items that must be included within a SWPPP are project design features, commonly known as BMPs, intended to protect against substantial soil erosion as a result of water and wind erosion. The implementation of a Construction General Permit, including preparation of a SWPPP and implementation of BMPs, would reduce stormwater runoff during project construction impacts to acceptable levels. It follows that because project construction would not violate any water quality standards or waste discharge requirements, the project would not otherwise substantially degrade surface or groundwater quality. Therefore, short-term construction impacts associated with water quality would be less than significant.

Long-Term Operational Impacts

Less-Than-Significant Impact. The project would be subject to the Municipal Separate Storm Sewer System (MS4) Permit, issued by the Santa Ana RWQCB. The MS4 Permit requires implementation of Low Impact Development BMPs to prevent pollutants from being discharged off site by mimicking pre-development site hydrology and feasible source control. The Low Impact Development Ordinance is designed to reduce runoff from impervious surfaces, including new development, through landscape design that promotes

water retention, permeable surface design, natural drainage systems, and on-site retention where feasible (RWQCB 2010). These project-specific designs would reduce impacts to water quality associated with redevelopment.

Additionally, a project-specific water quality management plan (WQMP would be prepared for operation of the proposed project. The WQMP would ensure appropriate BMPs are implemented for post-construction and operation of the project. The combination of Low Impact Development BMPs, source control BMPs, and other treatment control BMPs addressed within the WQMP would address identified pollutants and hydrologic concerns from new development that could result in impacts to water quality standards (RWQCB 2010).

Further, the project would be required to comply with sections of the City Municipal Code that set forth regulations to protect and enhance the quality of watercourses, water bodies, and wetlands within the City in a manner consistent with the federal Clean Water Act, the California Porter-Cologne Water Quality Control Act, and the municipal National Pollutant Discharge Elimination System permit. Therefore, long-term impacts associated with water quality, including surface water quality and groundwater quality, would be less than significant.

b) Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less-Than-Significant Impact. As discussed in the Western Municipal Water District (WMWD) Urban Water Management Plan (UWMP), groundwater is a major source of water supply, comprising 13% of purchased water and 85% of locally produced water, and representing 21% of WMWD's total supply in 2015 (WMWD 2016). The project site is undeveloped and consists of a retention pond and other pervious surfaces. Thus, under the existing conditions, the project site could be considered a location for groundwater recharge.

Although the project would add impervious surfaces to the project site, once operational, the project site would contain landscaped areas and other pervious surfaces that would allow water to percolate into the subsurface soils. Additionally, the project would incorporate structural and treatment control BMPs to ensure that the project would not adversely affect water quality.

During construction, the proposed project would use only limited amounts of water resources for construction activities and landscaping activities. Minimal water use will be required for any of the additional office space or classroom facilities. As such, impacts associated with groundwater recharge would be less than significant.

The project would not involve permanent pumping of groundwater; therefore, the project would not substantially deplete groundwater supplies. Due to the incorporation of structural and treatment control BMPs, the proposed project would not substantially interfere with groundwater recharge. Impacts would be less than significant.

c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which:

i) Would result in substantial erosion or siltation on- or off-site;

Less-Than-Significant Impact. Refer to the previous response under section 3.10(a). Under existing conditions, the majority of the project site is undeveloped. Thus, implementation of the project would increase the amount of impervious areas on site and alter the existing drainage patterns. The project would be required to conform to all applicable federal, state, and local requirements, including the current MS4 Permit adopted by the Santa Ana RWQCB. Compliance with these requirements would ensure the new drainage system is designed with adequate capacity to capture stormwater flow to prevent erosion or on-site or off-site siltation impacts.

As such, altering the on-site drainage pattern would be conducted in a manner consistent with all applicable standards related to the collection and treatment of stormwater; therefore, impacts associated with altering the existing drainage pattern of the project site would be less than significant.

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?

Less-Than-Significant Impact. Refer to the previous response under Section 3.10(a). Under existing conditions, the project site is undeveloped. Thus, implementation of the project would increase the amount of impervious areas on site and alter the existing drainage patterns. The project would be required to conform to all applicable federal, state, and local requirements, including the current MS4 Permit adopted by the Santa Ana RWQCB. Compliance with these requirements would ensure the new drainage system is designed with adequate capacity to capture stormwater flow to prevent erosion or on-site or off-site siltation impacts.

As such, altering the on-site drainage pattern would be conducted in a manner consistent with all applicable standards related to the collection and treatment of stormwater; therefore, impacts associated with altering the existing drainage pattern of the project site would be less than significant.

iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or

Less-Than-Significant Impact. Under the existing condition, the project site is undeveloped. The project site does not currently have infiltration basins or capture systems in place to control stormwater runoff. Although the project would increase the amount of impervious surfaces on the project site, the proposed drainage system would be designed to conform to all applicable federal, state, and local requirements, including the current MS4 Permit adopted by the Santa Ana RWQCB. Compliance with these requirements would ensure the new drainage system is designed to have adequate capacity to capture stormwater flow to prevent the conveyance of sediment, debris, and other constituents potentially contained in on-site stormwater from leaving the project site and impacting off-site and downstream receiving waters; therefore, impacts associated with water quality standards and runoff waters would be less than significant.

iv) Impede or redirect flood flows?

No Impact. According to the City of Norco General Plan and the County of Riverside Land Information System, the proposed project site is not located within a flood hazard zone. Federal Emergency Management Agency mapping indicates that the project site is not located within a special flood hazard area that could be inundated by a 100-year flood. While Lake Norconian is located north of the project site, it is not within an inundation area. Therefore, no impacts associated with flooding would occur. Further, the construction and operation of the project would have no effect on flood flows, and no impacts would occur in this regard.

d) Would the project, in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

Less-Than-Significant Impact. According to the City of Norco General Plan and the County of Riverside Land Information System, the proposed project site is not located within a flood hazard zone. Federal Emergency Management Agency mapping indicates that the project site is not located within a special flood hazard area that could be inundated by a 100-year flood. While Lake Norconian is located north of the project site, it is not within an inundation area. The project site is located inland and not located sufficiently near Lake Norconian or the ocean to be impacted by a seiche or tsunami. The topography

of the site and project area is relatively flat would not be subject to significant impacts from mudflow. Impacts would be less than significant.

e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Less-Than-Significant Impact. The proposed project would comply with regional and local regulations requiring preparation of an SWPPP, and would not obstruct existing water quality control plans or groundwater sustainable management plans. Although the project would add impervious surfaces to the project site, once operational, the project site would contain landscaped areas and other pervious surfaces that would allow water to percolate into the subsurface soils. Additionally, the project would incorporate structural and treatment control BMPs to ensure that the project would not adversely affect water quality. Therefore, impacts associated with conflict with a water quality control plan or sustainable groundwater management plan would be less than significant.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XI. LAND USE AND PLANNING – Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒

3.11 Land Use and Planning

a) Would the project physically divide an established community?

No Impact. The proposed project is located within the existing Norco College campus on an already partially developed site. The proposed project is compatible with adjacent land uses and facilities for college uses. The proposed project would not divide the established community and is not expected to result in additional physical barriers between nearby land uses. No impact would occur.

b) Would the project cause a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project adopted for the purpose of avoiding or mitigating an environmental effect?

No Impact. The project site is designated under the City of Norco's General Plan as Public Land with a zoning designation for Open Space (City of Norco 2012a). The site is already being used by the District as a passive recreation park to honor and commemorate Norco College's veteran population. Norco College has been identified in both the City of Norco's General Plan and Zoning Ordinance for such a purpose. The project would not conflict with any of the proposed goals within the City of Norco's General Plan, including the loss of protected species, open space, community design cohesion, or the development and preservation of Norco's unique history and animal-keeping lifestyle. The proposed project is therefore consistent with the City of Norco General Plan.

Open space, an important aspect of the Norco College and master plan would be maintained by the landscaped area on the southern portion of the project site.

Overall, the proposed project does not violate any policies within the City of Norco's General Plan, Municipal Code, or any applicable specific plans in the area. Therefore, the project would not conflict with any applicable land use plan, policy, or regulation and would not represent a significant impact to the physical environment. No impact would occur.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XII. MINERAL RESOURCES – Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

3.12 Mineral Resources

a) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

No Impact. The State Mining and Reclamation Act of 1975 (California Public Resources Code Section 2710 et seq.) requires that the California State Geologist implement a mineral land classification system to identify and protect mineral resources of regional or statewide significance in areas where urban expansion or other irreversible land uses may occur, thereby potentially restricting or preventing future mineral extraction on such lands.

As mandated by the Act, aggregate mineral resources within the state are classified by the State Mining & Geology Board through application of the Mineral Resource Zone (MRZ) system. The MRZ system is used to map all mineral commodities within identified jurisdictional boundaries, with priority given to areas where future mineral resource extraction may be prevented or restricted by land use compatibility issues, or where mineral resources may be mined during the 50-year period following their classification. The MRZ system classifies lands that contain mineral deposits and identifies the presence or absence of substantial sand and gravel deposits and crushed rock source areas (i.e., commodities used as, or in the production of, construction materials). The State Geologist classifies MRZs within a region based on the following factors (DOC 2000):

- MRZ-1: Areas where adequate information indicates that no significant mineral deposits are present, or where it is judged that little likelihood exists for their presence.
- MRZ-2: Areas where adequate information indicates that significant mineral deposits are present, or where it is judged that a high likelihood exists for their presence.
- MRZ-2a: Areas underlain by mineral deposits where geologic data show that significant measured or indicated resources are present.
- MRZ-2b: Areas underlain by mineral deposits where geologic information indicates that significant inferred resources are present.
- MRZ-3: Areas containing mineral deposits for which the significance cannot be determined from available data.
- MRZ-3a: Areas containing known mineral deposits that may qualify as a mineral resource
- MRZ-3b: Areas containing inferred mineral deposits that may qualify as mineral resources.
- MRZ-4: Areas where available information is inadequate for assignment of any other MRZ category.

The City of Norco's General Plan does not identify any mineral recovery sites within the vicinity of the College. Section 3.3.3 of the General Plan identifies only two MRZ designations within the City limits: MRZ-3a (areas containing known mineral deposits that may qualify as mineral resources) and MRZ-2b (areas underlain by mineral deposits where geologic information indicates that significant inferred resources are present). The MRZ-2b area is located along the edge of the Temescal Wash near the City of Corona and would not be impacted by the proposed project. Further, the General Plan states that the only known resource that may be valuable locally would be crushed rock for construction-related material and is primarily associated with the Norco Hills and the hills and slopes around Lake Norconian, north and east of the college. However, the General Plan further states that the hillsides are designated for residential purposes, and those hills are more valuable to the City as an open space resource than as a potential mineral resource. Section 3.3.3 concludes that no goals or policies are included in the General Plan to either encourage or preserve opportunities related to mineral extraction.

The proposed project site is not currently being used for mineral resource extraction, has no history of such use, is currently part of the existing College, and is identified in both the City's General Plan and Zoning Ordinance for such uses. No mining operations would be impacted by the project. Given these factors, the proposed project would not result in the loss of availability of a known mineral resource that would be of future value to the City, County of Riverside, or the residents of the state.

b) Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No Impact. Please refer to Section 3.11(a). The proposed project would not result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XIII. NOISE – Would the project result in:				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

3.13 Noise

Noise is defined as unwanted sound. Sound may be described in terms of level or amplitude (measured in decibels [dB]), frequency or pitch (measured in hertz [Hz] or cycles per second), and duration (measured in seconds or minutes). The standard unit of measurement of the amplitude of sound is the decibel (dB). Because the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale is used to relate noise to human sensitivity. The A-weighted decibel scale (dBA) performs this compensation by discriminating against low and very high frequencies in a manner approximating the sensitivity of the human ear. Several descriptors of noise (noise metrics) exist to help predict average community reactions to the adverse effects of environmental noise, including traffic-generated noise, on a community. These descriptors include the equivalent noise level over a given period (L_{eq}), the statistical sound level (L_n), the day–night average noise level (L_{dn}), and the community noise equivalent level (CNEL). Each of these descriptors uses units of dBA. Table 18 provides examples of A-weighted noise levels from common sounds. In general, human sound perception is such that a change in sound level of 3 dB is barely noticeable; a change of 5 dB is clearly noticeable; and a change of 10 dB is perceived as doubling or halving of the sound level.

Table 18
Typical Sound Levels in the Environment and Industry

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
—	110	Rock band
Jet flyover at 300 meters (1,000 feet)	100	—
Gas lawn mower at 1 meter (3 feet)	90	—
Diesel truck at 15 meters (50 feet), at 80 kilometers per hour (50 mph)	80	Food blender at 1 meter (3 feet) Garbage disposal at 1 meter (3 feet)

Table 18
Typical Sound Levels in the Environment and Industry

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
Noisy urban area, daytime gas lawn mower at 30 meters (100 feet)	70	Vacuum cleaner at 3 meters (10 feet)
Commercial area Heavy traffic at 90 meters (300 feet)	60	Normal speech at 1 meter (3 feet)
Quiet urban daytime	50	Large business office Dishwasher, next room
Quiet urban nighttime	40	Theater, large conference room (background)
Quiet suburban nighttime	30	Library
Quiet rural night time	20	Bedroom at night, concert hall (background)
—	10	Broadcast/recording studio
Lowest threshold of human hearing	0	Lowest threshold of human hearing

Source: Caltrans 2013a.

L_{eq} is a sound energy level averaged over a specified period (typically no less than 15 minutes for environmental studies). L_{eq} is a single numerical value that represents the amount of variable sound energy received by a receptor during a time interval. For example, a 1-hour L_{eq} measurement would represent the average amount of energy contained in all the noise that occurred in that hour. L_{eq} is an effective noise descriptor because of its ability to assess the total time-varying effects of noise on sensitive receptors. L_{max} is the greatest sound level measured during a designated time interval or event.

Unlike the L_{eq} metrics, L_{dn} and CNEL metrics always represent 24-hour periods, usually on an annualized basis. L_{dn} and CNEL also differ from L_{eq} because they apply a time-weighted factor designed to emphasize noise events that occur during the evening and nighttime hours (when speech and sleep disturbance is of more concern). "Time weighted" refers to the fact that L_{dn} and CNEL penalize noise that occurs during certain sensitive periods. In the case of CNEL, noise occurring during the daytime (7:00 a.m.–7:00 p.m.) receives no penalty. Noise during the evening (7:00 p.m.–10:00 p.m.) is penalized by adding 5 dB, while nighttime (10:00 p.m.–7:00 a.m.) noise is penalized by adding 10 dB. L_{dn} differs from CNEL in that the daytime period is defined as 7:00 a.m.–10:00 p.m., thus eliminating the evening period. L_{dn} and CNEL are the predominant criteria used to measure roadway noise affecting residential receptors. These two metrics generally differ from one another by no more than 0.5 dB to 1 dB and as such, are often treated as equivalent to one another.

Vibration

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration can be a serious concern, causing buildings to shake and rumbling sounds to be heard. In contrast to noise, vibration is not

a common environmental problem. It is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads. Some common sources of vibration are trains, buses on rough roads, and construction activities, such as blasting, pile driving, and heavy earthmoving equipment.

Several different methods are used to quantify vibration. Peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal. PPV is most frequently used to describe vibration impacts to buildings and is usually measured in inches per second. The root mean square amplitude is most frequently used to describe the effect of vibration on the human body and is defined as the average of the squared amplitude of the signal. Decibel notation is commonly used to measure root mean square. The decibel notation acts to compress the range of numbers required to describe vibration.

High levels of vibration may cause physical personal injury or damage to buildings. However, vibration levels rarely affect human health. Instead, most people consider vibration to be an annoyance that can affect concentration or disturb sleep. In addition, high levels of vibration can damage fragile buildings or interfere with equipment that is highly sensitive to vibration (e.g., electron microscopes). Most perceptible indoor vibration is caused by sources within buildings, such as operation of mechanical equipment, movement of people, or slamming of doors. Typical outdoor sources of perceptible vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. If the roadway is smooth, the vibration from traffic is rarely perceptible.

Sensitive Receptors

Noise- and vibration-sensitive land uses are locations where people reside or where the presence of unwanted sound could adversely affect the use of the land. Residences, schools, hospitals, guest lodging, libraries, and some passive recreation areas would be considered noise and vibration sensitive and may warrant unique measures for protection from intruding noise. Sensitive receptors near the project site include residential uses located to the south, the Norco College STEM Center Annex to the east, and a middle school to the northeast. These sensitive receptors represent the nearest land uses with the potential to be impacted by construction and operation of the proposed project.

Existing Noise Conditions

Noise measurements were conducted near the project site on March 14 and 19, 2019, to characterize the existing noise levels (Figure 5, Noise Measurement and Modeling Locations). Table 19 provides the location, date, and time the noise measurements were taken. The noise measurements were taken using a Soft dB Piccolo sound level meter equipped with a 0.5-inch, pre-polarized condenser microphone with pre-amplifier. The sound level meter meets the current

American National Standards Institute standard for a Type 2 (General Use) sound level meter. The accuracy of the sound level meter was verified using a field calibrator before and after the measurements, and the measurements were conducted with the microphone positioned approximately 5 feet above the ground.

Table 19
Measured Noise Levels

Receptors	Location	Date	Time	L_{eq} (dBA)	L_{max} (dBA)
ST1	Adjacent to Norco College STEM Center Annex	3/14/19	11:19 a.m.–11:34 a.m.	65.0	85.4
ST2	South side of John F. Kennedy Middle College High School	3/14/19	11:50 a.m.–12:05 a.m.	64.0	76.9
ST3	South of project site, adjacent to residential neighborhood	3/19/19	9:23 am. – 9:38 a.m.	60.6	73.3
ST4	Norco College campus, in front of Student Services Building	3/14/19	10:48 a.m. to 11:03 a.m.	61.9	71.8

Source: Appendix F.
Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); dBA = A-weighted decibels; L_{max} = maximum sound level during the measurement interval.

Four short-term noise measurement locations (ST1 – ST4) were conducted adjacent to nearby noise-sensitive land uses. The measured energy-averaged (L_{eq}) and maximum (L_{max}) noise levels are provided in Table 19. The field noise measurement data sheets are provided in Appendix F. The primary noise source consisted of traffic on the local roadways (Third Street and campus access roads); secondary noise sources included rustling leaves, distant traffic (from the I-15 freeway) and distant conversations. As shown in Table 19, the measured sound levels ranged from approximately 61 to 65 dBA L_{eq}.

Regulatory Setting

City of Norco

The project site is located within the City of Norco, as are the existing residences and other noise-sensitive land uses in the surrounding area. The City outlines its noise regulations and standards as they pertain to this project in its General Plan (City of Norco 2003) and Municipal Code (City of Norco 2014b). As a state-funded agency, the District is not regulated by City noise standards; although the District will make every effort to adhere to the Municipal Code regulations, it is not bound by them. The information provided below is presented for informational purposes.

City of Norco General Plan

The City of Norco has adopted the compatibility guidelines documented by the State Department of Health Services, which specify average noise limits for long-term, stationary noise sources, but does not document specific thresholds for temporary activities, such as construction noise. The following policies within the General Plan Noise Element (City of Norco 2003) pertain to construction noise:

- **Policy 2.2.2b:** All construction equipment should be equipped with noise attenuation features including mufflers and engine shrouds that are at least as effective as original manufacturer equipment.
- **Policy 2.2.2c:** The City should regulate wherever feasible the hours of operation for construction areas including haul routes that may include residential streets and/or sensitive land uses.

City of Norco Municipal Code

Pursuant to Municipal Code Section 9.07.040, general sound level standards, no person shall create any sound, or allow the creation of any sound, on any property that causes the exterior sound level on any other occupied residential property to exceed a maximum noise level of 55 dBA between 7:00 a.m. and 10:00 p.m., and 45 dBA between 10:00 p.m. and 7:00 a.m. However, construction-related events subject to a permit issued by the City of Norco are exempt from the general sound level (City of Norco 2014). In addition, Sections 15.01.110 and 15.30.020 of the City of Norco Municipal Code limit construction activity to between 6:30 a.m. and 7:00 p.m. from Monday through Friday (City of Norco 2014).

The operational noise levels contained in Municipal Code Section 9.07.040 are not applicable to:

- Facilities owned or operated by or for a governmental agency;
- Capital improvement projects of a governmental agency;
- The maintenance or repair of public properties;
- Public safety personnel in the course of executing their official duties, including, but not limited to, sworn peace officers, emergency personnel and public utility personnel. This exemption includes, without limitation, sound emanating from all equipment used by such personnel, whether stationary or mobile;
- Public or private schools and school-sponsored activities;

- City Sanctioned Events. The provisions of this title shall not apply to those reasonable sounds emanating from occasional public and private outdoor or indoor gatherings that require a City permit, public dances, shows, bands, sporting and entertainment events conducted and in compliance with such permit;
- Private construction projects involving no more than one unit located within one-quarter of a mile from an inhabited dwelling; provided that: Construction does not occur between the hours of 7:00 p.m. and 7:00 a.m., Monday through Friday and 7:00 p.m. and 8:00 a.m., on Saturday and Sunday, unless specified by permit, (5) Property maintenance, including, but not limited to, the operation of lawnmowers, leaf blowers, etc., provided such maintenance occurs between the hours of 8:00 a.m. and 7:00 p.m., (6) Motor vehicles, other than off-highway vehicles, or (7) Construction-related single events or continuous events subject to a permit issued by the City of Norco. (Municipal Code Section 9.07.020.);
- Heating, exhaust, and air conditioning equipment

a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Construction

Less-Than-Significant Impact with Mitigation Incorporated. Construction noise and vibration levels are temporary phenomena, which can vary from hour to hour and day to day, depending on the equipment in use, the operations being performed, and the distance between the source and receptor.

Equipment that would be in operation during proposed construction would include, in part, excavators, concrete saws, compressors, welders, and paving equipment. Table 20 presents typical maximum noise levels for various pieces of construction equipment at a distance of 50 feet (note that these are maximum noise levels). Typically, construction equipment operates in alternating cycles of full power and low power, producing average noise levels less than the maximum noise level presented in Table 20. The average sound level of construction activity also depends on the amount of time that the equipment operates and the intensity of construction activities during that time. Construction noise in a well-defined area typically attenuates at approximately 6 dB per doubling of distance.

Table 20
Typical Construction Equipment Noise Emission Levels

Equipment	Typical Sound Level (dBA) 50 Feet from Source
Air compressor	81
Backhoe	80
Compactor	82
Concrete mixer	85
Concrete pump	82
Concrete vibrator	76
Crane, mobile	83
Dozer	85
Generator	81
Grader	85
Impact wrench	85
Jackhammer	88
Loader	85
Paver	89
Pneumatic tool	85
Pump	76
Roller	74
Saw	76
Truck	88

Source: DOT 2018.
Note: dBA = A-weighted decibels.

At the nearest point, project construction would take place within approximately 110 feet of the nearest noise-sensitive land uses (the STEM Center Annex to the east). More typically, when project construction does not take place at the nearest project site boundaries, the typical source-receiver distance would be approximately 175 feet. Project construction would take place within approximately 170 feet of the residences to the south; the typical source-receiver distance would be approximately 280 feet.

The Federal Highway Administration's Roadway Construction Noise Model (RCNM) (FHWA 2008) was used to estimate construction noise levels. Although the model was funded and promulgated by the Federal Highway Administration, the RCNM is often used for non-roadway projects because the same types of construction equipment used for roadway projects are often used for other types of construction. Input variables for the RCNM consist of the receiver/land use types, the equipment type and number of each (e.g., two graders, a loader, a tractor), the duty cycle for each piece of equipment (e.g., percentage of hours the equipment typically works per day), and the distance from the noise-sensitive receiver. No topographical or structural shielding was assumed in the modeling. The RCNM has default duty-cycle values for the various pieces of equipment, which were

derived from an extensive study of typical construction activity patterns. Those default duty-cycle values were used for this noise analysis.

Construction scenario assumptions, including phasing and equipment mix, were based on information from the District and the CalEEMod default values developed for the air quality and GHG emissions impacts analysis. Table 21 summarizes these estimated construction noise, with separate calculations provided for the different types of construction activities that would occur for this project. The RCNM inputs and outputs are provided in Appendix F.

Table 21
Construction Noise Model Results Summary

Construction Phase	Construction Noise at Representative Receiver Distances (L_{eq} (dBA))		
	Receiver	*Nearest Construction Work - Receiver Distance*	*Typical Construction Work - Receiver Distance*
Demolition	STEM Center Annex	79	75
	Residences to the South	75	71
Site Preparation	STEM Center Annex	77	73
	Residences to the South	73	69
Grading	STEM Center Annex	77	74
	Residences to the South	74	70
Trenching	STEM Center Annex	74	70
	Residences to the South	70	66
Building Construction	STEM Center Annex	74	71
	Residences to the South	71	67
Paving	STEM Center Annex	74	70
	Residences to the South	70	66
Architectural Coatings	STEM Center Annex	67	63
	Residences to the South	63	59

As shown in Table 21, the construction noise levels during the nearest construction work at the adjacent STEM Center Annex are predicted to range from approximately 67 dBA L_{eq} (during the architectural coatings phase) to approximately 79 dBA L_{eq} (during demolition). More typically, construction noise levels would range from approximately 63 to 75 dBA L_{eq}. At the nearest residences to the south, the construction noise levels during nearest construction work are predicted to range from approximately 63 dBA L_{eq} to approximately 75 dBA L_{eq}. More typically, construction noise levels would range from approximately 59 to 71 dBA L_{eq}. Compared to the ambient noise levels measured in the project vicinity, noise levels from construction would (during the louder phases) result in substantial temporary noise level increases at the adjacent noise-sensitive land uses. With implementation of MM NOI-1, noise levels from construction activities would be reduced to a level of less than significant.

Operation

Less-Than-Significant Impact. Long-term (i.e., operational) noise associated with the proposed project would include traffic noise from additional vehicle trips, as well as noise from on-site mechanical equipment such as heating, ventilation and air conditioning (HVAC) equipment. The proposed project includes an outdoor deck, and periodic outdoor events are anticipated.

Traffic Noise

The proposed project would generate additional traffic trips along existing roads in the area, particularly Third Street, from which the staff, students, and visitors of the proposed project would take access. Based upon traffic counts conducted for the proposed project, Third Street currently has typical weekday average daily traffic volumes in the project vicinity of approximately 15,870 vehicles, with AM peak-hour volumes of approximately 1,930 vehicles and PM peak-hour volumes of approximately 1,590 vehicles. Based upon calculations conducted as part of the Transportation and Traffic analysis, the proposed project would generate approximately 51 additional daily trips, of which 5 would occur during the AM peak hour and 5 would occur during the PM peak hour. Because it generally requires a doubling of traffic volumes to increase the ambient noise level by 3 dBA the change in sound level, which the average listener would describe as barely noticeable (Harris 1991), the incremental increase in vehicle trips (approximately 0.3%) from the project would be far less than the doubling of traffic required to produce a noticeable change in traffic noise levels. Thus, the potential noise impact associated with project traffic would be less than significant.

On-site Mechanical Equipment and Event Noise

HVAC equipment would have the potential to create noise impacts. The specific details (location, size, manufacturer, and model) of the HVAC equipment have not yet been determined. However, based on examination of several major manufacturers' HVAC equipment specifications for representative models (details of which are provided in Appendix F), the dimensionless sound power levels[8] were found to range from approximately 68 dBA to 92 dBA.

[8] Sound power or acoustic power is the rate at which sound energy is emitted, reflected, transmitted, or received, per unit time. It is calculated and expressed in watts and as sound power level (L_W) in decibels. It is the power of the sound force on a surface of the medium of propagation of the sound wave. For a sound source, unlike sound pressure (L_P), sound power is neither room-dependent nor distance-dependent. Sound pressure is a measurement at a point in space near the source, whereas the sound power of a source is the total power emitted by that source in all directions. The relation between sound power and sound pressure used for this analysis was the following:
$L_P = L_W - 20*\text{Log}(R) + 2.5$, where R is the source–receiver distance of interest, in feet—as for a free field above a reflecting plane (Diehl 1973).

The nearest existing off-site noise-sensitive use (the STEM Center Annex) would be approximately 200 feet to the east of the proposed Veterans Resource Center building. Conservatively assuming a sound power level of 92 dBA, the noise level at a distance of 200 feet would be approximately 49 dBA. The noise level would be approximately 45 dBA at the nearest residence, approximately 300 feet away. Therefore, noise from on-site mechanical equipment would not exceed the City's stationary-source noise standard (55 dBA L_{eq} daytime, 45 dBA L_{eq} nighttime) as detailed previously, nor would it result in a substantial noise increase. Therefore, impacts associated with on-site mechanical noise would be less than significant.

The Veterans Resource Center would host approximately 6 events per year with approximately 100 to 150 attendees. In addition, an undetermined number of events may be held for the College's community partners. These events would be held during weekday or weekend evenings from 4:00 p.m. to 8:00 p.m. The following events would be held at the Veterans Resource Center:

- Veterans Social: to celebrate student veteran achievements throughout the year.
- Veterans BBQ: to celebrate Veterans Day and Memorial Day
- Student Veterans of America: fundraising events such as a chili cook off, salsa competition, and ticket sales for a veterans benefit concert.

Potential noise impacts at adjacent existing noise-sensitive land uses (the residences to the south and the STEM Center Annex to the east) from the proposed event noise was assessed, using conservative estimates and assumptions regarding the usage of the outdoor space and standard acoustical calculations for noise propagation, and the addition of noise sources.

It was conservatively assumed that 100% of the maximum estimated number of event attendees (i.e., 150 persons) would be speaking with a raised voice, and that this would be continuous throughout a full 1-hour period of time. It was also assumed that amplified music would be limited to a reasonable level. Specifically, the volume of amplified music was assumed to be equivalent to two persons speaking with a raised voice, continually (i.e., equivalent to 300 additional persons). Additionally, it was assumed that events would not be permitted after 10:00 p.m. Thus, the applicable noise standard would be the Municipal Code noise source threshold for daytime (7:00 a.m. to 10:00 p.m.) of 55 dBA L_{eq}. The results of the events noise analysis are summarized in Table 22, and the detailed calculation spreadsheet is contained in Appendix F.

Table 22
Outdoor Events Noise Model Results Summary

Receiver Description	Total Event Noise Level (dBA L_{eq})	Applicable Daytime Standard (55 dBA L_{eq}) Exceeded?	Measured Existing Ambient Noise Level (dBA L_{eq})	Combined Event Noise plus Existing Ambient (dBA L_{eq})	Resultant Increase Above Existing Ambient Noise Level (dBA L_{eq})	Significant Increase?
Nearest Residential Outdoor Land Use (south of project site)	52.9	No	65.0	65.3	0.3	No
STEM Center Annex	51.0	No	60.6	61.0	0.4	No

Notes: dBA = A-weighted decibels; L_{eq} = equivalent continuous sound level (time-averaged sound level).

As shown in Table 22, the estimated noise levels from events would be approximately 53 dBA L_{eq} at the nearest residence to the south, and approximately 51 dBA L_{eq} at the STEM Center Annex to the east. As shown in Table 22, the resultant noise levels from proposed on-site events would not exceed City of Norco noise standards and would not result in a substantial noise level increase compared to existing measured ambient noise levels. Therefore, noise from proposed events would be less than significant. No mitigation is required.

Mitigation Measure(s)

To reduce potentially significant impacts related to construction of the proposed project, the following mitigation is provided.

MM-NOI-1: Prior to grading permit issuance, the Riverside Community College District shall ensure the following:

- All construction equipment, fixed or mobile, shall be equipped with properly operating and maintained mufflers.
- Construction noise-reduction methods, such as shutting off idling equipment, installing temporary acoustic barriers around stationary construction noise sources, maximizing the distance between construction equipment staging areas and occupied residential areas, and use of electric air compressors and similar power tools, rather than diesel equipment, shall be used where feasible.

- During construction, stationary construction equipment shall be placed such that emitted noise is directed away from or shielded from sensitive noise receivers.
- During construction, stockpiling and vehicle staging areas shall be located as far as practical from noise sensitive receptors.
- Construction activities should be limited to the hours of 7:00 a.m. to 5:00 p.m., Monday through Saturday.

b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Less-Than-Significant Impact. Construction activities have the potential to expose persons to excessive ground-borne vibration or ground-borne noise. Caltrans has collected ground-borne vibration information related to construction activities indicating that continuous vibrations with a PPV of approximately 0.1 inches/second begin to annoy people (Caltrans 2013b). The heavier pieces of construction equipment, such as an excavator, would have PPVs of approximately 0.089 inches/second or less at a distance of 25 feet (DOT 2018). Ground-borne vibration is typically attenuated over short distances. At the distance from the nearest residences to the nearest construction work (approximately 110 feet), and with the anticipated construction equipment, the PPV vibration level would be approximately 0.009 inches/second. This vibration level would be below the vibration threshold of potential annoyance of 0.1 inches/second. During the majority of the rest of the construction work, the distances to the nearest off-site noise- and vibration-sensitive land uses would be substantially greater (approximately 640 feet or more).

The major concern with regard to construction vibration is related to building damage. Construction vibration as a result of the proposed project would not result in structural building damage, which typically occurs at vibration levels of 0.5 inches/second or greater for buildings of reinforced-concrete, steel, or timber construction. The heavier pieces of construction equipment used would include typical construction equipment for this type of project, such as backhoes, front-end loaders, and flatbed trucks. Pile driving, blasting, and other special construction techniques would not be used for construction of the proposed project; therefore, excessive ground-borne vibration and ground-borne noise would not be generated. Vibration levels from project construction would be less than the thresholds of annoyance and potential for structural damage. Operation of the proposed project would not result in any sources of vibration. Therefore, impacts would be less than significant.

c) Would the project be located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The closest airport to the project site is Corona Municipal Airport, which is located approximately 2.1 miles southwest of the project site. According to Riverside County Airport Land Use Compatibility Plan (Riverside County ALUC 2004), the project site is located outside of the Corona Municipal Airport's influence area boundary. Thus, air traffic noise associated with the airport would not expose construction workers, operational staff, students or visitors to excessive noise levels. Therefore, no impacts associated with public airport and associated air traffic noise would occur.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XIV. POPULATION AND HOUSING – Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

3.14 Population and Housing

a) Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Less-Than-Significant Impact. The proposed project would not directly induce substantial population growth in the area, because residential units are not proposed as part of the project. However, the proposed project would require temporary construction workforces, which could potentially induce population growth in the project area. The temporary workforce would be needed to construct the Veteran's Resource Center building and associated on-site improvements. The number of construction workers needed during any given period would largely depend on the specific stage of construction but would likely average a few dozen workers at any given time throughout the workday. These short-term

positions are anticipated to be filled primarily by workers who reside in the project area vicinity; therefore, construction of the proposed project would not generate a permanent increase in population within the project area.

Once operational, the project would consist of a new building for the Veterans Resource Center. The District, as the lead agency, has anticipated the addition of such a space as part of its master planning efforts for the College. Under existing conditions, the Veterans Resource Center already operates within the Student Services Building. However, as the College's student veteran population has increased in recent years, the Veterans Resource Center has outgrown its current facilities. The proposed project would provide the Veteran's Center with a larger and state-of-the-art space that would allow it to continue to provide services to its student veteran population. These services would include mental health services, financial aid, academic counseling, tutoring, study spaces, and other support services. However, once operational, the existing staff would relocate to the new Veterans Resource Center, and additional staff would not be required..

Further, the proposed project would generally connect to existing utilities and infrastructure located adjacent to the project site. The proposed project would not construct new or extend existing utilities or infrastructure into areas not currently served by such improvements. Thus, the proposed project would not indirectly induce population growth, and no impacts associated with population growth inducement would occur.

b) Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The proposed project consists of the construction of a new Veterans Resource Center on an existing lot within the college boundaries. The proposed project would not displace existing housing or people and would not necessitate the construction of replacement housing elsewhere. Therefore, no impact would occur.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XV. PUBLIC SERVICES				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?	☐	☐	☒	☐
Police protection?	☐	☐	☒	☐

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Schools?	☐	☐	☐	☒
Parks?	☐	☐	☒	☐
Other public facilities?	☐	☐	☐	☒

3.15 Public Services

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

Fire protection?

Less-Than-Significant Impact. The City has two fire stations within the boundaries of the City: Fire Station No. 21 (the Corydon Avenue Fire Station, 3367 Corydon Avenue) and Fire State No. 22 (Sixth Avenue Fire Station, 3902 Hillside Avenue). The Corydon Avenue Fire Station is within 3 miles of the proposed project site and would likely service Norco College as needed. The station houses a 1,500-gallon-per-minute first-line fire engine, a reserve engine, and paramedics, and is staffed 24 hours a day, 7 days a week. The City also has mutual aid responses from Corona City Fire Department and CAL FIRE for large vegetation or structure fires.

Although the proposed project may require fire protection and/or paramedic services in the event of an emergency, the project is not expected to result in the need for new or physically altered fire facilities, or result in the stations' inability to maintain acceptable service ratios, response times, or other performance objectives. The increase in demand for fire protection services due to the proposed project would result in a less-than-significant impact.

Police protection?

Less-Than-Significant Impact. While the City of Norco is served by the City's Police Department in order to address any issues in and around the Norco College, the District has their police department, with 28 sworn officers, 3 sergeants, 4 detectives, 16 sworn police officers, and 28 community service officers (non-sworn) (Norco College 2018b). The bulk of the District police department staff are located at the main college in Riverside; however, there

are a number of full-time officers assigned to Norco College, as well as a number of community service officers and part-time officers for shift overlap and special services. The proposed project is not anticipated to place a new demand on the existing police functions and would only be involved the relocation of a use that already occurs within the College. Therefore, the proposed project would result in a less-than-significant impact to police protection services.

Schools?

No Impact. As discussed previously in Section 3.13(a), construction and operation of the proposed project would not increase the population within the area. The proposed project is necessary in order to provide the Norco College Veterans Resource Center with an appropriately sized facility to serve Norco College's population of student veterans. Therefore, the project would not generate the need for additional school capacity. No impact would occur.

Parks?

Less-Than-Significant Impact. As discussed previously in Section 3.13(a), construction and operation of the proposed project would not increase the population within the area. The proposed project is necessary in order to provide the Norco College Veterans Resource Center with an appropriately sized facility to serve Norco College's population of student veterans. The proposed project would result in a small reduction in the amount of passive recreation trails that exist on site. Additionally, the Norco Horse Trail located adjacent to the project's northern boundary would not be affected by the project. Given that the proposed project would maintain recreational opportunities on the project site, the project would not generate the need for additional parks. Impacts would be less than significant.

Other public facilities?

No Impact. The proposed project would not result in adverse impacts related to the provision of other public facilities, including emergency medical services or libraries. The proposed project is needed under existing conditions and would not contribute to significant growth in the surrounding community and would result in additional demand for public facilities. No impacts to other public facilities are anticipated.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XVI. RECREATION				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☒	☐

3.16 Recreation

a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

No Impact. The proposed project does not include any residential uses that may increase the utilization of existing neighborhood parks in the vicinity such that substantial physical deterioration of the facility or an increase in park facilities would occur or be accelerated. The proposed project involves the construction and operation of a Veterans Resource Center. No impacts related to the increase of use to existing parks will occur.

b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

Less-Than-Significant Impact. As discussed previously in Section 3.14, the project site currently contains a veteran's park that consists of passive recreation trails. As discussed throughout this MND, although the project would not include the construction of recreation facilities, proposed construction would result in less-than-significant physical effects on the environment. Therefore, impacts with the proposed recreational facilities would be less than significant.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XVII. TRANSPORTATION – Would the project:				
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☒	☐
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)(1)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d) Result in inadequate emergency access?	☐	☐	☒	☐

3.17 Transportation and Traffic

a) Would the project conflict with a program plan, ordinance or policy addressing the performance of the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Less-Than-Significant Impact. A Focused Traffic Analysis for the Norco College Veterans Resource Center was prepared by Dudek in March 2019 and is included as Appendix B of this MND. The technical memorandum includes a description of the roadway system, existing traffic, bicycle, pedestrian and transit conditions in the vicinity of the proposed project, and provides an estimate of the project's trip generation for the daily, and AM and PM peak hour conditions.

Since the proposed project would primarily cater to College functions for veteran students, the analysis used the traffic generation rates provided by the ITE Trip Generation Manual, 10th edition (2017) for Junior/Community College (ITE Land Use Code 540) to calculate trips generated by the proposed project. Table 23 provides a summary of the project trip generation.

Table 23
Project Trip Generation

Land Use	Size/Unit	Daily	AM Peak Hour			PM Peak Hour		
			In	*Out*	*Total*	*In*	*Out*	*Total*
Trip Rates[1]								
Junior/Community College (ITE 540)[1]	Per TSF	20.25	1.59	0.48	2.07	0.93	0.93	1.86
Trip Generation								
Norco Veterans Resource Center	2.500 TSF	51	4	1	5	3	2	5

Notes: TSF – thousand square feet
[1] Trip rates from the ITE 2017.

As shown in Table 23, the proposed project would generate approximately 51 average daily trips, including 5 AM peak hour trips (4 inbound and 1 outbound) and 5 PM peak hour trips (3 inbound and 2 outbound). Because the project would generate a low number of daily traffic and peak hour trips that would be part of existing college related activities, it would not cause a measurable impact to the roadway segment and intersections in the study area. The project would not create any significant traffic impacts, and a comprehensive traffic impact analysis for the proposed project would not be warranted.

The project would not conflict with any of the goals or policies included in the City of Norco General Plan Circulation Element (City of Norco 2000). As such, the proposed project would not conflict with a program, plan, ordinance, or policy addressing the circulation system including transit, roadway, bicycle, and pedestrian facilities. Impacts would be less than significant.

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)(1)?

Less-Than-Significant Impact. Per CEQA Guidelines Section 15064.3 b(1), for land use projects, VMT exceeding an applicable threshold of significance may indicate a significant impact. CEQA Guidelines Section 15063 (c)(3)(C), recommends screening thresholds for land use projects to quickly identify when a project should be expected to cause a less-than-significant impact without conducting a detailed study. Per the Technical Advisory on Evaluating Transportation Impacts in CEQA (December 2018), in the absence of substantial evidence indicating that a project would generate a potentially significant level of VMT, or inconsistency with an SCS or general plan, projects that generate or attract fewer than 110 trips per day generally may be assumed to cause a less-than-significant transportation impact.

The project would be part of existing College-related activities, and would not increase student enrollment or employees by itself. The proposed project would generate approximately 51 daily trips, which is lower than 110 trips per day screening threshold for small projects, and therefore it is not anticipated to generate a significant level of VMT to cause a significant transportation impact. As such, the proposed project would not conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b). Impacts would be less than significant.

c) Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less-Than-Significant Impact. Vehicular access to the proposed project would be via existing John F. Kennedy Middle College High School (JFK MCHS) - STEM Center driveway connecting to Third Street. This access leads to the existing parking lot, east of the project site, which would be expanded to include additional spaces. The proposed project would include exterior site improvements, such as landscaping, a vehicle drop-off area, associated parking, and a pedestrian access from Third Street, which would enhance project's connectivity to the existing setting. As such, the project would not substantially increase hazards due to a roadway design feature or incompatible uses. Impact would be less than significant.

d) Would the project result in inadequate emergency access?

Less-Than-Significant Impact. All project-related traffic would access the existing parking lot via the JFK MCHS-STEM Center driveway-Third Street intersection. The project would not adjust or alter Third Street or access to the parking area and therefore would not create significant impediments for emergency access. Norco College has implemented traffic management measures (traffic cones and barricades at JFK MCHS-STEM Center driveway–Third Street and Windy Way–Third Street intersections) that prohibit left turns in and out of Third Street. However, adequate emergency access would be provided during both short-term construction and long-term operation of the proposed project. Construction of the proposed project would not involve any street or driveway closures that could impede emergency access. Additionally, vehicular trips for the project would be low and not cause any adverse traffic impacts. Therefore, impacts to emergency access would be less than significant.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XVIII. TRIBAL CULTURAL RESOURCES				
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☐	☒	☐
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	☐	☐	☒	☐

3.18 Tribal Cultural Resources

a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

Less-Than-Significant Impact. As previously discussed in Section 3.5(a), the project site does not contain any resources that are either listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k). Therefore, impacts associated with historical resources would be less than significant.

ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

Less-Than-Significant Impact With Mitigation Incorporated. The Sacred Lands Files search conducted by the NAHC failed to indicate the presence of Native American cultural resources in the immediate project area. The NAHC provided a list of 34 Native American groups and individuals who may have knowledge of cultural resources in the project area. Letters were sent to each of the 34 representatives, requesting any knowledge of resources in the project area.

To date, the District received responses from four tribes, which requested formal consultation:

- Gabrieleño Band of Mission Indians—Kizh Nation
- Pechanga Band of Luiseño Indians
- Rincon Band of Luiseño Indians
- Soboba Band of Luiseño Indians

Gabrieleño Band of Mission Indians—Kizh Nation

The Gabrieleño Band of Mission Indians—Kizh Nation provided a written request for consultation on January 9, 2019. In response to the tribe's request, the District provided the draft Cultural Report via email on February 13, 2019. The tribe confirmed that the project location was outside of their ancestral tribal territory and asked the District to defer to other tribes.

Pechanga Band of Luiseño Indians

The Pechanga Band of Luiseño Indians provided a written request for consultation on January 24, 2019. A conference call between the District and the tribe occurred on March 1, 2019. As a follow up to the call, the tribe requested information regarding the project grant, and requested the archeological, cultural, and tribal cultural resources section of the MND for review. The District sent the draft Cultural Report and grant information on March 15, 2019. The District emailed the

tribe to confirm there were no further questions on March 28, 2019, and April 29, 2019. The tribe confirmed consultation was complete on April 29, 2019.

Rincon Band of Luiseño Indians

The Rincon Band of Luiseño Indians provided a written request for consultation. A conference call between the District and the tribe occurred on March 21, 2019. The tribe requested that Worker Environmental Awareness Program training be provided to construction workers prior to earthwork and asked for an example of the PowerPoint presentation slides. A sample PowerPoint presentation was sent to the tribe on March 21, 2019. No further comments were received from the tribe. The tribe confirmed consultation was complete on April 5, 2019.

Soboba Band of Luiseño Indians

The Soboba Band of Luiseño Indians provided a written request for consultation. A conference call between the District and the tribe occurred on March 28, 2019. The tribe requested a copy of the proposed tribal cultural resource mitigation measures. The draft mitigation measures were sent to the tribe on April 2, 2019. The tribe sent a list of suggested edits to the draft mitigation measures on April 2, 2019. The tribe recommended that a monitor be present during all earth-moving activities. The District replied on April 29, 2019, offering the tribe an opportunity to spot check during the earth-moving activities. The District and the tribe coordinated via email until the tribe and the District agreed on a final draft of the mitigation measures on May 28, 2019.

During the formal consultation process, the District provided each tribe with proposed mitigation, and after consultation with the tribes, determined that implementation of **MM-TRC-1** and **MM-TRC-2** would appropriately mitigate impacts to tribal cultural resources to less-than-significant levels. Therefore, with implementation of **MM-TRC-1** and **MM-TRC-2**, the project would have a less-than-significant impact with respect to tribal cultural resources.

MM-TRC-1 Worker Environmental Awareness Program Training shall be provided for all construction personnel involved in the new ground disturbance. In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the

significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find under the California Environmental Quality Act (CEQA; 14 CCR 15064.5(f), California Public Resources Code Section 21082), the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work (e.g., preparation of an archaeological treatment plan, testing, or data recovery) may be warranted. If Native American resources are discovered or are suspected, Native American tribes, as indicated by the Native American Heritage Commission, shall be notified to evaluate the significance of the resource.

MM-TRC-2 In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the county coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the county coroner has determined, within 2 working days of notification of the discovery, the appropriate treatment and disposition of the human remains. If the county coroner determines that the remains are, or are believed to be, Native American, he or she shall notify the Native American Heritage Commission (NAHC) in Sacramento within 24 hours. In accordance with California Public Resources Code, Section 5097.98, the NAHC must immediately notify those persons it believes to be the Most Likely Descendant (MLD) from the deceased Native American. The MLD shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:				
a) Require or result in the relocation or construction of new or expanded water, or wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities or expansion of existing facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project from existing entitlements and resources, and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

3.19 Utilities and Service Systems

a) Would the project require or result in the relocation or construction of new or expanded water, or wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities or expansion of existing facilities, the construction or relocation of which could cause significant environmental effects?

Wastewater Treatment Facilities

Less-Than-Significant Impact. The WMWD manages the wastewater for the proposed project service area. According to the WMWD's updated 2015 UWMP, the wastewater collection system for the College is serviced by the WMWD (2016). The WMWD currently treats wastewater via the Western Water Recycling Facility and the West Riverside County Regional Wastewater Treatment Plant. These two plants process the bulk of the WMWD's

service area, aside from a small portion treated by the City of Riverside. The City is primarily serviced by the West Riverside County Regional Wastewater Treatment Plant, which has a design capacity of 14 million gallons per day, providing more than sufficient wastewater capacity for the proposed project and growth within the WMWD service area. Both facilities produce tertiary effluent as part of their processes, which is suitable for subsequent uses such as irrigation but is typically cleaned and discharged into the Santa Ana River. However, according to the 2015 UWMP, the City of Norco is anticipated to take up to 895 acre-feet per year of recycled water to be used for landscaping needs and to supply Lake Norconian (WMWP 2016).

Existing sewer infrastructure is located within roadways surrounding the Norco College campus and the proposed project site, and it is anticipated to have adequate capacity to serve the proposed project. The proposed project would only minimally increase Norco College's wastewater generation and would not require any necessary improvements to existing infrastructure serving the project site. The project would not result in the need for additional wastewater treatment capacity or infrastructure beyond what is already planned as part of the WMWD and City planning efforts. The District would construct all necessary infrastructure extensions of existing lines to the site in order to meet the sewer demands of the project. In addition, the District would pay all applicable connection fees and monthly usage charges that may be necessary as part of the final project. Any potential impacts related to wastewater would be less than significant.

Water Treatment Facilities

Less-Than-Significant Impact. Please refer to Section 3.18(d), below. The proposed project's water demands would be served by existing water supplies, and the project would not require the construction of new water treatment facilities. Existing water conveyance infrastructure is located within roadways surrounding the Norco College and the proposed project site, and it is anticipated to have adequate capacity to serve the proposed project. The proposed project would only minimally increase Norco College's water demand and would not require any necessary improvements to existing infrastructure serving the project site. The project would not result in the need for additional water conveyance infrastructure beyond what is already planned as part of the WMWD and City planning efforts. The District would construct all necessary infrastructure extensions of existing lines to the site in order to meet the water demands of the project. In addition, the District would pay all applicable connection fees and monthly charges that may be necessary as part of the final project. Any potential impacts related to water would be less than significant. Therefore, impacts associated with the construction of new or expanded water treatment facilities would be less than significant.

Storm Water Facilities

Less-Than-Significant Impact. Under existing conditions, the majority of the project site is undeveloped. Thus, implementation of the project would increase the amount of impervious areas on site and alter the existing drainage patterns. The project would be required to conform to all applicable federal, state, and local requirements, including the current MS4 Permit adopted by the Santa Ana RWQCB. Compliance with these requirements would ensure the new drainage system is designed with adequate capacity to capture stormwater flow. Therefore, impacts associated with the construction of new or expanded stormwater facilities would be less than significant.

Other Facilities

Less-Than-Significant Impact. As part of the proposed project, utility service lines, including those for electric power, natural gas, and telecommunications services, would be extended from their current locations within the College campus to the project site for operation of the proposed project. Given that the activity of connecting utilities from their current locations on campus to the proposed project would require ground disturbance and the use of heavy machinery associated with trenching, the connection of these utility services to the proposed project could potentially result in environmental effects. However, the extension of these utility lines is part of the proposed project analyzed herein. As such, any potential environmental impacts related to these components of the proposed project are already accounted for in this MND as part of the impact assessment conducted for the entirety of the proposed project. No adverse physical effects beyond those already disclosed in this MND would occur as a result of implementation of the proposed project's utility system connections. Additionally, the project would constitute a nominal increase in utility usage, which has already been accounted for in growth projections for the College, City, and by each utility provider. No modifications to utility infrastructure would be necessary outside of the project site. As such, impacts associated with the construction or expansion of utility line connections would be less than significant.

b) Would the project have sufficient water supplies available to serve the project from existing entitlements and resources, and reasonably foreseeable future development during normal, dry and multiple dry years or are new or expanded entitlements needed?

Less-Than-Significant Impact. The California Urban Water Management Planning Act (Water Code Sections 10610–10656) requires water utilities providing water for municipal uses to more than 3,000 customers or supplying more than 3,000 acre-feet per year to prepare a UWMP every 5 years. The proposed project would be served by the WMWD,

which last updated their UWMP in 2016. The vast majority of the water for the WMWD's service area is part of the State Water Project, along with wholesale supplies purchased from the Metropolitan Water District. Additionally, the Arlington Desalter provides high-quality water sources to the City. According to the 2015 UWMP, the WMWD has determined that water resources are sufficient to handle all projected growth within their service area, including during multiple dry years (WMWD 2016).

A Water Supply Assessment for the proposed project is not required pursuant to California Water Code, Section 10910, since the project as proposed does not meet the criteria under California Water Code, Section 10912, nor does it meet the definition of a "water demand project" pursuant to State CEQA Guidelines, Section 15155(a). Based on the site engineering and design plans, the District would construct all necessary infrastructure extensions of existing lines to the site in order to meet the water and sewer demands of the project. The District would also install all necessary fire service with backflow device lines and fire hydrants to ensure a reliable and appropriate water source exists on site for firefighting purposes. In addition, the District would pay all applicable connection fees and monthly usage charges to the City for the provision of water to the project site.

Due to the limited water requirements for the proposed project, sufficient capacity for both domestic water and sewer is reasonably expected. Moreover, based on WMWD's 2015 UWMP, the City's projected water supplies are expected to be sufficient to meet the additional water demand resulting from the proposed project, in addition to existing and planned future uses. Impacts would be less than significant.

c) Would the project result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less-Than-Significant Impact. As discussed previously in Section 3.18(a), the proposed project would only minimally increase Norco College's volume of wastewater treated by the wastewater treatment provider (WMWD). The proposed project would not result in the determination by WMWD that it does not have sufficient capacity to serve the proposed project's anticipated wastewater demand. As previously discussed, the WMWD maintains sufficient wastewater infrastructure and service capacity and the proposed project will produce minimal wastewater. Impacts would be less than significant.

d) Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less-Than-Significant Impact. The Riverside County Waste Management Department manages Riverside County's solid waste system through the provision of facilities and programs that meet or exceed all applicable local, state, federal, and land use regulations. The department manages seven Riverside County Sanitary Landfills: Badlands, Blythe, Desert Center, El Sobrante, Lamb Canyon, Mecca II, and Oasis (RCDWR 2018). Each of these landfills has sufficient capacity to accommodate the project's minimal solid waste disposal needs and are permitted to receive non-hazardous municipal solid waste (CalRecycle 2018).

Construction of the proposed project would consist of the clearing of existing on-site improvements (i.e., concrete curbs and landscaping) and is not anticipated to generate substantial amounts of waste. Any number of local landfills typically utilized by the City of Norco has sufficient capacity to accommodate this volume of non-hazardous waste. Only minimal waste is anticipated once the proposed operations center is built, and the College can easily handle it as part of its day-to-day waste stream. Any impacts related to solid waste would be less than significant.

e) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less-Than-Significant Impact. The proposed uses for the project site are consistent with surrounding educational uses of the site. The proposed project would not violate any adopted federal, state, and local policies and regulations related to solid waste. Compliance with these regulations would result in a less-than-significant impact.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XX. WILDFIRE – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☒	☐

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☒	☐
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☒	☐

3.20 Wildfire

a) Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

Less-Than-Significant Impact. As discussed in Section 3.9(f), Third Street is the only roadway that provides ingress and egress for the Norco College campus; therefore, Third Street is a de facto emergency access route for Norco College. Construction of the project, including construction of the project driveway, would cause temporary lane closures within Third Street and could temporarily obstruct emergency access. However, in order to execute improvements within the Third Street right-of-way, the District would be required to obtain an encroachment permit from the City. As a requirement for the City's encroachment permit, the project would be required to prepare and submit a TCP. The TCP would define the locations of all lanes that would need to be temporarily closed due to construction activities, and also define the use of flag persons, warning signs, lights, barricades, cones, and other necessary measures for each construction closure. The TCP would also include provisions to accommodate emergency services at all times, such as stopping work for emergency vehicle passage and short detours around project construction. Police departments, fire departments, ambulance services, and paramedic services would be noticed at least 1 week in advance of each closure by the District. These provisions would ensure that Third Street would be able to continue to provide emergency access throughout the duration of project construction. Further, the project would not interfere with the District's ability to implement its Emergency Operations Plan.

Once constructed, operation of the proposed project would not result in any actions that would significantly impair or physically interfere with an adopted emergency response plan or emergency evacuation plan. Therefore, impacts associated with adopted emergency response plans or emergency evacuation plans are less than significant.

b) Would the project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

Less-Than-Significant Impact. According to maps prepared by CAL FIRE, much of the project site is located within a Very High Severity Fire Hazard Zone (CAL FIRE 2010). The proposed project is located in an area where urban development currently exists and is not susceptible to the threat of fire from wildlands. While there is a substantial amount of open space around Lake Norconian to the north of the Norco College campus, this area does not represent a significant source of wildland fire risk, and the proposed project itself is not located within a fire hazard area.

As such, in the unlikely event of a wildfire in the areas proximate to the project site, all occupants at the project site and College would evacuate the area, as directed by local fire officials. Additionally, the project would be located within the existing College campus, on a flat project site, surrounded by existing development. As such, the proposed project would not exacerbate wildfire risks due to slope, prevailing winds, and other factors. Therefore, impacts would be less than significant.

c) Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

Less-Than-Significant Impact. Under the existing conditions, the project site is undeveloped, but several landscape features exist throughout, including young planted ornamental trees, decomposed granite walkways, and a stand of flags located at the northern end of the project site. The proposed project would not involve installation or maintenance of infrastructure that would exacerbate fire risk. Although the proposed project would involve installation of utilities within the project site, these utilities would be located underground, and therefore would not exacerbate fire risk. Therefore, impacts associated with installation or maintenance of associated infrastructure resulting in exacerbated fire risk would be less than significant.

d) Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Less-Than-Significant Impact. There is no evidence of slope instabilities at the site and there are no significant slopes located on or near the project site that may be considered susceptible to seismically induced landslides. The proposed project is located on relatively flat land aside from a 10-foot-high dirt lip along the south edge of the site. During the grading phase of the project, the project site would be leveled and the south slope would be removed. Therefore, the project site would not include any significant slopes that may be considered susceptible to landslides, post-fire instability, or drainage changes. As such, impacts would be less than significant.

	Potentially Significant Impact	Less-Than-Significant Impact With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
XIX. MANDATORY FINDINGS OF SIGNIFICANCE				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☒	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐

3.21 Mandatory Findings of Significance

a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?

Less-Than-Significant Impact With Mitigation Incorporated. As discussed in Section 3.4, through implementation of **MM-BIO-1** through **MM-BIO-3**, the project would not result in significant impacts to biological resources. In addition, because of the low potential for the inadvertent discovery of cultural resources within the project site, the project archaeologist determined that no additional management recommendations are necessary beyond standard measures to address unanticipated discoveries of archaeological resources, as outlined in **MM-CUL-1**. In the event that intact paleontological resources are located on the project area, ground-disturbing activities associated with construction of the proposed project, such as grading during site preparation and trenching for utilities, have the potential to destroy a unique paleontological resource or site. Without mitigation, the potential damage to paleontological resources during construction would be a potentially significant impact. However, upon implementation of **MM-GEO-1**, impacts would be reduced to below a level of significance. During the formal consultation process, the District provided each tribe with proposed mitigation, and after consultation with the tribes, determined that implementation of **MM-TRC-1** and **MM-TRC-2** would appropriately mitigate impacts to tribal cultural resources to less than significant levels. Therefore, with mitigation incorporated, the project would not degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

Less-Than-Significant Impact with Mitigation Incorporated. When evaluating cumulative impacts, it is important to remain consistent with Section 15064(h) of the CEQA Guidelines, which states that an EIR must be prepared if the cumulative impact may be significant and

the project's incremental effect, though individually limited, is cumulatively considerable. "Cumulatively considerable" means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.

Alternatively, a lead agency may determine that a project's incremental contribution to a cumulative effect is not cumulatively considerable through mitigation measures set forth in an MND or if the project will comply with the requirements in a previously approved plan or mitigation program (including, but not limited to, water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plan, plans or regulations for the reduction of greenhouse gas emissions) that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area in which the project is located.

The proposed project would potentially result in project-related biological resources, cultural resources, geological resources, and tribal cultural resources impacts that could be potentially significant without the incorporation of mitigation. Thus, when coupled with biological resources, cultural resources, geological resources, and tribal cultural resources impacts related to the implementation of other related projects throughout the broader project area, the project would potentially result in cumulative-level impacts if these significant impacts are left unmitigated.

However, with the incorporation of mitigation identified herein, the project's biological resources, cultural resources, geological resources, and tribal cultural resources impacts would be reduced to less-than-significant levels and would not considerably contribute to cumulative impacts in the greater project region. In addition, these other related projects would presumably be bound by their applicable lead agency to (1) comply with the all applicable federal, state, and local regulatory requirements; and (2) incorporate all feasible mitigation measures, consistent with CEQA, to further ensure that their potentially cumulative impacts would be reduced to less-than-significant levels.

Although cumulative impacts are always possible, by incorporating all mitigation measures outlined herein, the project would reduce its contribution to any such cumulative impacts to less than cumulatively considerable. Therefore, the project would result in individually limited, but not cumulatively considerable, impacts.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less-Than-Significant Impact With Mitigation Incorporated. As evaluated throughout this document, with incorporation of mitigation, environmental impacts associated with the proposed project would be reduced to less-than-significant levels. Thus, the proposed project would not directly or indirectly cause substantial adverse effects on human beings. Impacts would be less than significant with incorporation of mitigation.

4 REFERENCES AND PREPARERS

4.1 References Cited

14 CCR 15000–15387 and Appendices A through L. Guidelines for Implementation of the California Environmental Quality Act, as amended.

AMSCD60 (Assembly Member Sabrina Cervantes District 60). 2017. "Cervantes Statement on the Passage of the State Budget." Assemblymember Sabrina Cervantes Representing the 60th California Assembly District. June 16, 2017. https://a60.asmdc.org/press-releases/cervantes-statement-passage-state-budget

California Public Resources Code, Section 21000–21177. California Environmental Quality Act, as amended.

CAL FIRE (California Department of Forestry and Fire Protection). 2010. "Very High Fire Hazard Severity Zones in LRA Western Riverside County." January 2010. http://frap.fire.ca.gov/webdata/maps/riverside_west/fhszl_map.60.jpg

CalRecycle (California Department of Resources, Recycling, and Recovery). 2018. Solid Waste Information System Facility/Site Search [database search applying filters: County: Riverside; Regulatory Status: Permitted; Operational Status: Active; Facility Type: Disposal]. Updated October 10, 2018. Accessed October 12, 2018. https://www2.calrecycle.ca.gov/swfacilities/Directory/

Caltrans (California Department of Transportation. 2013a. *Technical Noise Supplement to the Caltrans Traffic Noise Analysis Protocol.* Division of Environmental Analysis, Environmental Engineering, Hazardous Waste, Air, Noise, Paleontology Office. September 2013.

Caltrans. 2013b. *Transportation and Construction Vibration Guidance Manual*. Division of Environmental Analysis, Environmental Engineering, Hazardous Waste, Air, Noise, Paleontology Office. September 2013.

Caltrans. 2018. "California Scenic Highway Mapping System." Accessed October 2018. http://www.dot.ca.gov/hq/LandArch/16_livability/scenic_highways/index.htm.

CAPCOA (California Air Pollution Control Officers Association). 2008. *CEQA & Climate Change: Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act*. January 2008. Accessed September 2018. http://capcoa.org/wp-content/uploads/downloads/2010/05/CAPCOA-White-Paper.pdf.

CAPCOA. 2017. CalEEMod Appendix E Technical Source Documentation. http://www.caleemod.com.

CARB (California Air Resources Board). 2013. "Clean Car Standards - Pavley, Assembly Bill 1493." May 6, 2013. Accessed December 2018. http://arb.ca.gov/cc/ccms/ccms.htm.

CARB. 2014. *First Update to the AB 32 Scoping Plan: Building on the Framework*. May 2014. Accessed March 2018. https://www.arb.ca.gov/cc/scopingplan/2013_update/first_update_climate_change_scoping_plan.pdf.

CARB. 2017a. "Area Designation Maps/State and National." Accessed March 2018. http://www.arb.ca.gov/desig/adm/adm.htm.

CARB. 2017b. *The 2017 Climate Change Scoping Plan Update*. January 20, 2017. Accessed March 2018. https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf.

CEC (California Energy Commission). 2018. California Energy Consumption Database. Accessed January 2019. http://www.ecdms.energy.ca.gov/.

CGS (California Geological Survey). 2002. California Geomorphic Provinces: Note 36.

City of Norco. 2000. *City of Norco General Plan Circulation Element.*

City of Norco. 2003. *City of Norco General Plan Noise Element*. Revised March 5, 2003. http://www.norco.ca.us/civicax/filebank/blobdload.aspx?BlobID=25453.

City of Norco. 2012a. "General Plan Land Use Map." Revised May 25, 2012. http://www.norco.ca.us/civicax/filebank/blobdload.aspx?BlobID=2798.

City of Norco. 2012b. "Zoning Map." Revised May 21, 2012. http://www.norco.ca.us/civicax/filebank/blobdload.aspx?BlobID=2803.

City of Norco. 2013. *City of Norco General Plan Safety Element*. Revised January 16, 2013. http://www.norco.ca.us/civicax/filebank/blobdload.aspx?BlobID=25455.

City of Norco. 2014a. *City of Norco General Plan Conservation Element.* Accessed May 2019. http://www.norco.ca.us/civicax/filebank/blobdload.aspx?BlobID=25450

City of Norco. 2014b. Norco Municipal Code, Chapter 9.07, Noise Regulations. https://www.codepublishing.com/CA/Norco/#!/Norco09/Norco0907.html.

CNRA (California Natural Resources Agency). 2009. *Final Statement of Reasons for Regulatory Action: Amendments to the State CEQA Guidelines Addressing Analysis and Mitigation of Greenhouse Gas Emissions Pursuant to SB 97*. December 2009. Accessed March 2018. http://resources.ca.gov/ceqa/docs/Final_Statement_of_Reasons.pdf.

County of Riverside. 2003. *Western Riverside County Multiple Species Habitat Conservation Plan.* County of Riverside, Transportation and Land Management Agency, Riverside County Integrated Project. MSHCP adopted June 17, 2003. Accessed September 2018. http://www.rctlma.org/mshcp.

County of Riverside. 2018. Riverside County Land Information System (RCLIS) Paleontological Sensitivity. Accessed October 05, 2018. http://mmc.rivcoit.org/MMC_Public/Viewer.html?Viewer=MMC_Public.

Diehl, George M., ed. 1973. *Machinery Acoustics.* New York, New York: John Wiley & Sons Inc.

District (Riverside Community College District). 2008. *Riverside Community College District Emergency Operations Plan*. November 2008. https://www.rccd.edu/administration/police/Documents/RCCEmergencyPlan.pdf.

District. 2013. *2013 Facilities Master Plan Norco College*. Prepared by HMC Architects. October 2013. https://www.norcocollege.edu/about/president/strategic-planning/Documents/PlanningDocs/NorcoCollege-FMP-Final.pdf.

District. 2018. "Riverside Community College District History." Accessed August 2018. https://www.rccd.edu/Pages/RCCDHistory.aspx.

DOC (California Department of Conservation). n.d. "Earthquakes Zones of Required Investigation" [web map]. Accessed October 2018. https://maps.conservation.ca.gov/cgs/EQZApp/App/.

DOC. 2000. *Guidelines for Classification and Designation of Mineral Lands.* Accessed October 2018. http://www.conservation.ca.gov/smgb/guidelines/documents/classdesig.pdf.

DOC. 2016. "Riverside County Williamson Act FY 2015/2016 Sheet 1 of 3." Accessed October 2018. ftp://ftp.consrv.ca.gov/pub/dlrp/wa/Riverside_w_15_16_WA.pdf.

DOC. 2018. "California Important Farmland Finder" [web map]. Accessed October 2018. https://maps.conservation.ca.gov/DLRP/CIFF/.

DOT (U.S. Department of Transportation). 2018. *Transit Noise and Vibration Impact Assessment Manual.* DOT, Federal Transit Administration. September 2018.

EIA (U.S. Energy Information Administration). 2017. "California Profile Data." Updated October 19, 2017. Accessed December 2018. https://www.eia.gov/state/data.php?sid=CA#ConsumptionExpenditures.

EPA (U.S. Environmental Protection Agency). n.d. "Criteria Air Pollutants." Accessed September 2018. https://www.epa.gov/criteria-air-pollutants.

EPA. 2018. "EPA Region 9 Air Quality Maps and Geographic Information." Accessed March 2018. http://www.epa.gov/region9/air/maps.

FHWA (Federal Highway Administration). 2008. Roadway Construction Noise Model (RCNM), Software Version 1.1. December 8, 2008. Washington, D.C.: U.S. Department of Transportation, Research and Innovative Technology Administration, John A. Volpe National Transportation Systems Center, Environmental Measurement and Modeling Division.

Goss, T.A., and A. Kroeger. 2003. *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution.* South Coast Air Quality Management District White Paper. August 2003. Accessed March 2018. http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf?sfvrsn=2.

Harris, C.M., ed. 1991. *Handbook of Acoustical Measurements and Noise Control.* 3rd ed. New York, New York: McGraw-Hill Inc.

IPCC (Intergovernmental Panel on Climate Change). 2007. *Climate Change 2007: Synthesis Report. Contribution of Working Groups I, II, and II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change,* edited by R.K. Pachauri and A. Reisinger. Geneva, Switzerland: IPCC. Accessed October 2018. https://www.ipcc.ch/pdf/assessment-report/ar4/syr/ar4_syr.pdf.

Jahns, R.H., 1954. "Geology of the Peninsular Range Province, Southern California and Baja California." *California Division of Mines Bulletin* 170.

McLeod, S.A. 2018. "Paleontological Resources for the Proposed Norco College Veterans Resource Project, in the City of Norco, Riverside County, Project Area." Unpublished Records Search Results Letter from the Natural History Museum of Los Angeles County, Los Angeles, California.

Morton, D.M., C.H. Gray, K.R. Bovard, and M. Dawson. 2002. "Geologic Map of the Corona North 7.5-minute quadrangle, Riverside and San Bernardino Counties, California." 1:24,000. U.S. Geological Survey, Open-File Report OF-2002-22.

Norco College. 2017a. "Support for a New Veterans Resource is Underway." June 29, 2017.

Norco College. 2017b. "Memorandum from the President." *Fall 2017 Strategic Planning Update Newsletter*. https://www.norcocollege.edu/about/president/strategic-planning/Documents/newsletter/fa17-strategic-planning-newsletter-FINAL.pdf.

Norco College. 2018a. "Norco College Hires First Director of the Veterans Resource Center." May 9, 2018. https://www.norcocollege.edu/news/Pages/Norco-College-hires-first-director-of-the-Veterans-Resource-Center.aspx.

Norco College. 2018b. "Norco College Police – About Us." Accessed October 11, 2018. https://www.rccd.edu/administration/adminfinance/emergency/Pages/index.aspx.

Norris, R.M., and R.W. Webb. 1990. *Geology of California*. 2nd ed. New York, New York: John Wiley & Sons.

OEHHA (Office of Environmental Health Hazard Assessment). 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments*. February 2015. Accessed March 2018. https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf.

The Climate Registry. 2018. "Default Emission Factors." May 1, 2018. Accessed January 2019. https://www.theclimateregistry.org/wp-content/uploads/2018/06/The-Climate-Registry-2018-Default-Emission-Factor-Document.pdf.

RCA (Regional Conservation Authority). 2006. "Burrowing Owl Survey Instructions for the Western Riverside Multiple Species Habitat Conservation Plan Area." March 29, 2006. Accessed November 2019. https://www.wrc-rca.org/archivecdn/Monitoring/Burrowing_Owl_Survey_Instructions.pdf.

RCDWR (Riverside County Department of Waste Resources). 2018. "Department Landfills." Accessed October 2018. http://www.rcwaste.org/disposal/hours..

Riverside County ALUC (Riverside County Airport Land Use Commission). 2014. *March Air Reserve Base / Inland Port Airport Land Use Compatibility Plan.* Adopted November 13, 2014. Prepared by Mead & Hunt. Santa Rosa, California: Mead & Hunt. Accessed November 14, 2019. http://www.rcaluc.org/Portals/13/17%20-%20Vol.%201%20March%20Air%20Reserve%20Base%20Final.pdf?ver=2016-08-15-145812-700.

RWQCB (Regional Water Quality Control Board). 2010. Order No. R8-2010-0062 Amending Order No. R8-2009-0030, NPDES No. CAS 618030. Accessed November 18, 2019. https://www.waterboards.ca.gov/santaana/board_decisions/adopted_orders/orders/2010/10_062_Amending_OCMS4_09-0030.pdf.

SCAG (Southern California Association of Governments). 2016a. *2016–2040 Regional Transportation Plan/Sustainable Communities Strategy: A Plan for Mobility, Accessibility, Sustainability, and a High Quality of Life.* Adopted April 2016. Accessed March 2018. http://scagrtpscs.net/Documents/2016/final/f2016RTPSCS.pdf.

SCAG. 2016b. "Current Context – Demographics & Growth Forecast 2016 RTP/SCS Appendix." Adopted April 2016. http://scagrtpscs.net/Documents/2016/final/f2016RTPSCS_DemographicsGrowthForecast.pdf

SCAQMD (South Coast Air Quality Management District). 1993. *CEQA Air Quality Handbook*.

SCAQMD. 2005. "Rule 403, Fugitive Dust." Amended June 3, 2005. Accessed September 2018. http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf?sfvrsn=4.

SCAQMD. 2008a. *Final Localized Significance Threshold Methodology.* Revised July 2008. Accessed September 2018. http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2.

SCAQMD. 2008b. *Draft Guidance Document—Interim CEQA Greenhouse Gas (GHG) Significance Threshold*. October 2008. Accessed September 2018. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-6/ghg-meeting-6-guidance-document-discussion.pdf?sfvrsn=2.

SCAQMD. 2008c. "A Resolution of the Governing Board of the South Coast Air Quality Management District (AQMD) approving the Interim Greenhouse Gas (GHG) Significance Threshold to Be Used by the AQMD for Industrial Source Projects, Rules and Plans When It Is the Lead Agency for Projects Subject to the California Environmental Quality Act (CEQA)." Resolution No. 08-35. Adopted December 5, 2008.

SCAQMD. 2010. *Greenhouse Gas CEQA Significance Threshold Stakeholder Working Group Meeting #15*. September 28, 2010. PowerPoint slides. Accessed March 2018. http://www.aqmd.gov/ docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-main-presentation.pdf?sfvrsn=2.

SCAQMD. 2015. "SCAQMD Air Quality Significance Thresholds." Originally published in *CEQA Air Quality Handbook*, Table A9-11-A. Revised March 2015. Accessed March 2018. http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf?sfvrsn=2.

SCAQMD. 2017a. *Final 2016 Air Quality Management Plan.* Accessed October 2017. http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/final2016aqmp.pdf?sfvrsn=15.

SCAQMD. 2017b. *Risk Assessment Procedures for Rules 1401, 1401.1, and 212.* Version 8.1. September 1, 2017. Accessed April 2019. http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12.

SCAQMD. 2019a. "SCAQMD Modeling Guidance for AERMOD." Accessed April 2019. http://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/modeling-guidance.

SCAQMD. 2019b. "SCAQMD Meteorological Data for AERMOD." Accessed April 2019. http://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod.

SVP (Society of Vertebrate Paleontology). 2010. *Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological Resources*. http://vertpaleo.org/PDFS/68/68c554bb-86f1-442f-a0dc-25299762d36c.pdf.

USDA (U.S. Department of Agriculture). 2017. "Web Soil Survey Area of Interest Interactive Map." USDA Natural Resources Conservation Service, Soil Survey Staff. Accessed October 2018. https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx.

Wall, S. 2017. "Norco College's Plans for Veterans Resource Center Get $2 Million Boost." *The Press Enterprise,* July 7, 2018. https://www.pe.com/2017/07/07/norco-colleges-plans-for-veterans-resource-center-get-2-million-boost/#print

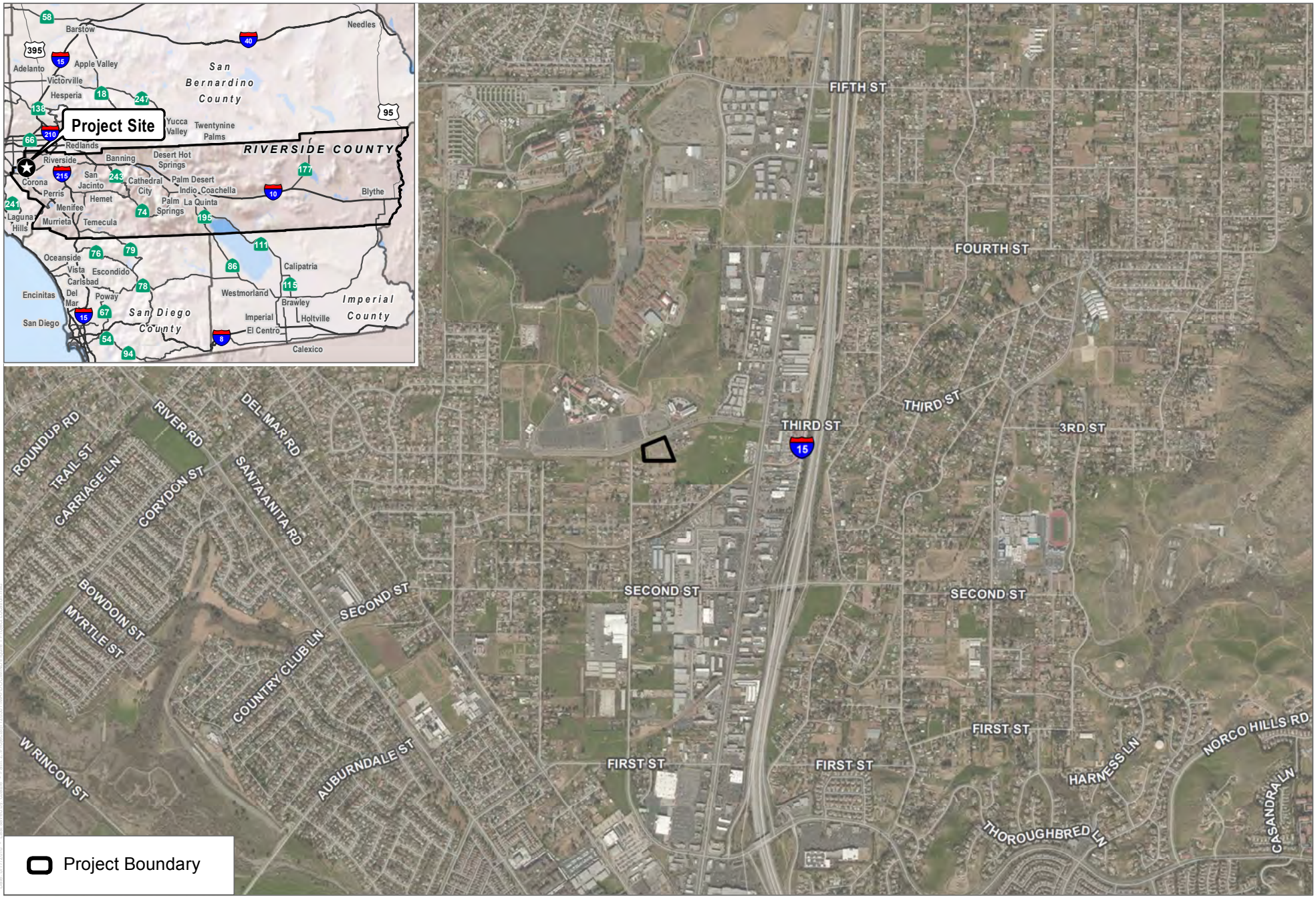
WMWD (Western Municipal Water District). 2016. 2015 *Urban Water Management Plan Update*. June 2016. https://www.wmwd.com/DocumentCenter/View/3162/Western_2015-UWMP_Final_Body-Only?bidId=.

WRCOG (Western Riverside Council of Governments). 2014. *Western Riverside County Council of Governments (WRCOG) Climate Action Plan (CAP)* http://www.wrcog.cog.ca.us/DocumentCenter/View/188/Subregional-Climate-Action-Plan-CAP-PDF?bidId=.

4.2 List of Preparers

Dudek

Rachel Struglia, Principal in Charge
Caitlin Munson, Environmental Planner
Patrick Cruz, Environmental Analyst
Brad Comeau, MA, RPA, Archaeologist
Mike Greene, Senior Acoustician
Tyler Friesen, GIS
Nina Isaieva, PhD, GIS
Amy Seals, Senior Technical Editor



SOURCE: NAIP 2016

DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

Norco College Veterans Resource Center MND

INTENTIONALLY LEFT BLANK

SOURCE: Ruhnau CLarke Architects 2018

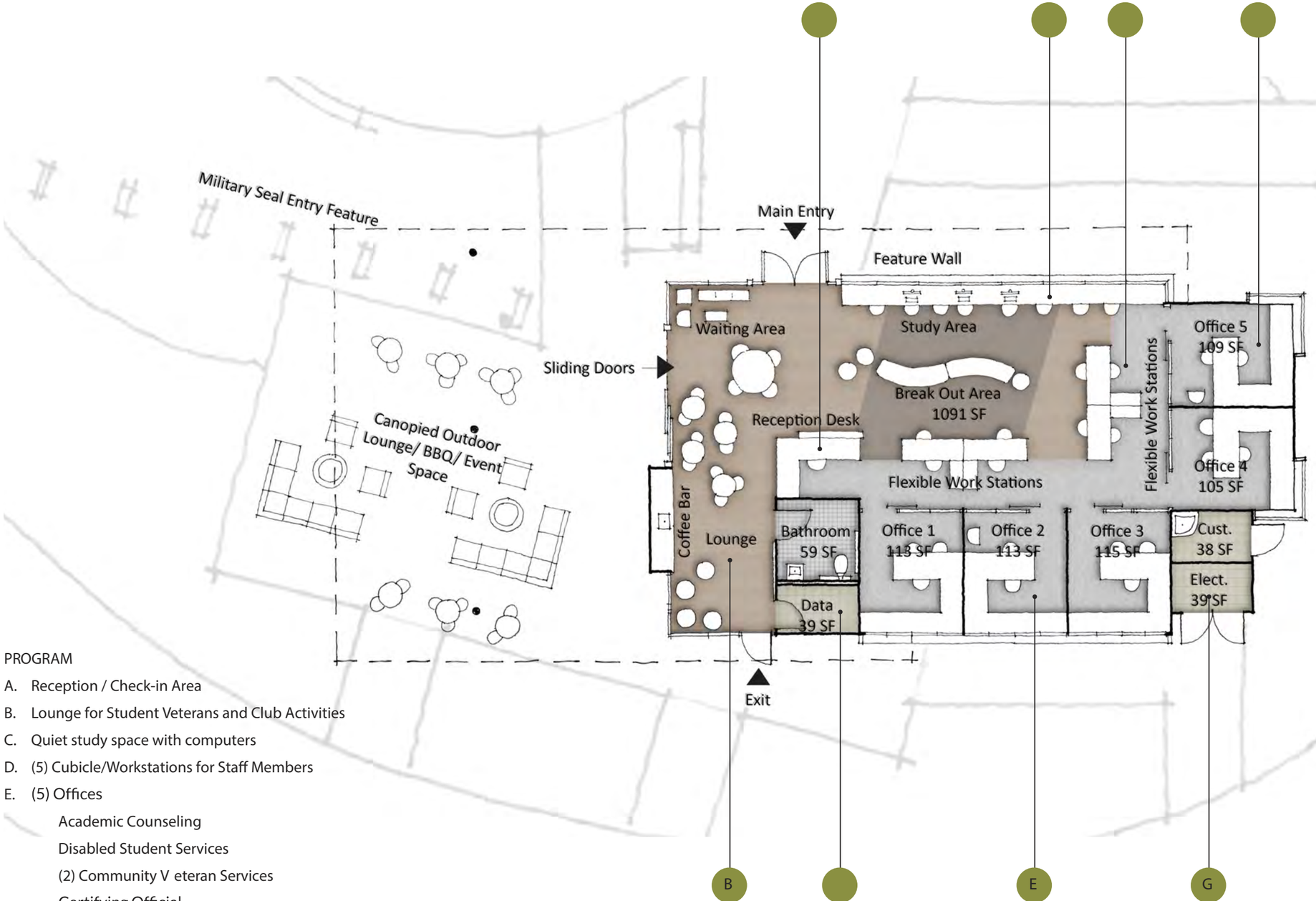
FIGURE 2

Site Plan

Norco College Veterans Resource Center MND

DUDEK

INTENTIONALLY LEFT BLANK



PROGRAM

A. Reception / Check-in Area
B. Lounge for Student Veterans and Club Activities
C. Quiet study space with computers
D. (5) Cubicle/Workstations for Staff Members
E. (5) Offices
   - Academic Counseling
   - Disabled Student Services
   - (2) Community V eteran Services
   - Certifying Official
G. Utility Rooms (Restrooms / IT (Data) / Electrical

SOURCE: Ruhnau CLarke Architects 2018

FIGURE 3

Interior Layout

Norco College Veterans Resource Center MND

DUDEK

INTENTIONALLY LEFT BLANK

SOURCE: Ruhnau CLarke Architects 2018

FIGURE 4

Visual Simulation

Norco College Veterans Resource Center MND

DUDEK

INTENTIONALLY LEFT BLANK

SOURCE: Bing Maps 2019

DUDEK

0 150 300 Feet

FIGURE 5

Noise Measurement and Modeling Locations

Norco College Veterans Resource Center MND

INTENTIONALLY LEFT BLANK

APPENDIX A

Air Quality/GHG/HRA

Norco College Veterans Resource Center

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	2.50	1000sqft	0.06	2,500.00	0
Parking Lot	12.56	1000sqft	0.29	12,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	628.13	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor (lb/MWh) adjusted based on SCE 2017 Power Content Label.

Land Use -

Construction Phase - Per applicant provided information

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construciton activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on typical trenching activities for underground utilities.

Trips and VMT - Grading Haul Trips: Based on import of 2,500 cubic yards of fill

Grading - Applicant provided: 2,500 cubic yards of fill

Architectural Coating - Per applicant provided information

Vehicle Trips - Based on Traffic Study. Saturday and Sunday trip rates scaled based on 40.9% and 4.4% of weekday trip rate, respectively. Scaling factors based on CalEEMod defaults.

Area Coating - Per applicant, low VOC paint will be used for the project

Energy Use -

Water And Wastewater -

Land Use Change - Accounts for 2,500 sqft building and 12,560 sqft of new parking and paved areas

Construction Off-road Equipment Mitigation -

Area Mitigation - Per applicant provided information, low VOC paint will be used for the project.

Energy Mitigation -

Water Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblGrading	AcresOfGrading	11.00	0.00
tblGrading	AcresOfGrading	33.00	11.00
tblGrading	MaterialImported	0.00	2,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Building Construction

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	628.13
tblTripsAndVMT	HaulingTripNumber	313.00	314.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	2.00	16.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	6.00	38.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	1.00	8.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	1.00
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0558	0.6574	0.3355	8.0000e-004	0.0787	0.0279	0.1066	0.0388	0.0258	0.0646	0.0000	72.5077	72.5077	0.0179	0.0000	72.9558
2020	0.2145	1.6178	1.4171	2.7700e-003	0.0422	0.0822	0.1244	0.0114	0.0785	0.0898	0.0000	236.8472	236.8472	0.0412	0.0000	237.8771
Maximum	**0.2145**	**1.6178**	**1.4171**	**2.7700e-003**	**0.0787**	**0.0822**	**0.1244**	**0.0388**	**0.0785**	**0.0898**	**0.0000**	**236.8472**	**236.8472**	**0.0412**	**0.0000**	**237.8771**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0558	0.6574	0.3355	8.0000e-004	0.0390	0.0279	0.0669	0.0184	0.0258	0.0442	0.0000	72.5076	72.5076	0.0179	0.0000	72.9557
2020	0.2145	1.6178	1.4171	2.7700e-003	0.0422	0.0822	0.1244	0.0114	0.0785	0.0898	0.0000	236.8470	236.8470	0.0412	0.0000	237.8769
Maximum	**0.2145**	**1.6178**	**1.4171**	**2.7700e-003**	**0.0422**	**0.0822**	**0.1244**	**0.0184**	**0.0785**	**0.0898**	**0.0000**	**236.8470**	**236.8470**	**0.0412**	**0.0000**	**237.8769**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**32.86**	**0.00**	**17.20**	**40.60**	**0.00**	**13.20**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**11-18-2019**	**2-17-2020**	0.8681	0.8681
2	**2-18-2020**	**5-17-2020**	0.6980	0.6980
3	**5-18-2020**	**8-17-2020**	0.7932	0.7932
4	**8-18-2020**	**9-30-2020**	0.1892	0.1892
		Highest	0.8681	0.8681

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0106	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	4.0000e-004
Energy	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	8.7104	8.7104	3.5000e-004	1.0000e-004	8.7488
Mobile	0.0118	0.1004	0.1410	6.1000e-004	0.0455	4.5000e-004	0.0460	0.0122	4.2000e-004	0.0126	0.0000	56.5379	56.5379	3.0200e-003	0.0000	56.6134
Waste						0.0000	0.0000		0.0000	0.0000	0.6597	0.0000	0.6597	0.0390	0.0000	1.6344
Water						0.0000	0.0000		0.0000	0.0000	0.0389	1.0620	1.1009	4.0400e-003	1.0000e-004	1.2332
Total	**0.0226**	**0.1021**	**0.1426**	**6.2000e-004**	**0.0455**	**5.8000e-004**	**0.0461**	**0.0122**	**5.5000e-004**	**0.0128**	**0.6986**	**66.3106**	**67.0092**	**0.0464**	**2.0000e-004**	**68.2302**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0106	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	4.0000e-004
Energy	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	8.7104	8.7104	3.5000e-004	1.0000e-004	8.7488
Mobile	0.0118	0.1004	0.1410	6.1000e-004	0.0455	4.5000e-004	0.0460	0.0122	4.2000e-004	0.0126	0.0000	56.5379	56.5379	3.0200e-003	0.0000	56.6134
Waste						0.0000	0.0000		0.0000	0.0000	0.6597	0.0000	0.6597	0.0390	0.0000	1.6344
Water						0.0000	0.0000		0.0000	0.0000	0.0311	0.9710	1.0022	3.2400e-003	8.0000e-005	1.1085
Total	**0.0226**	**0.1021**	**0.1426**	**6.2000e-004**	**0.0455**	**5.8000e-004**	**0.0461**	**0.0122**	**5.5000e-004**	**0.0128**	**0.6908**	**66.2196**	**66.9105**	**0.0456**	**1.8000e-004**	**68.1054**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**1.11**	**0.14**	**0.15**	**1.72**	**10.00**	**0.18**

2.3 Vegetation

Vegetation

	CO2e
Category	MT
Vegetation Land Change	-1.5085
Total	**-1.5085**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/18/2019	11/29/2019	5	10	
2	Site Preparation	Site Preparation	12/1/2019	12/31/2019	5	22	
3	Grading	Grading	12/1/2019	12/31/2019	5	22	
4	Trenching	Trenching	1/1/2020	1/14/2020	5	10	
5	Building Construction	Building Construction	2/1/2020	8/31/2020	5	151	
6	Paving	Paving	8/1/2020	8/31/2020	5	21	
7	Architectural Coating	Architectural Coating	8/17/2020	8/31/2020	5	11	

Acres of Grading (Site Preparation Phase): 11

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.29

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,750; Non-Residential Outdoor: 1,250; Striped Parking Area: 754 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	14.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	314.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	38.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0115	0.1134	0.0745	1.2000e-004		6.4300e-003	6.4300e-003		6.0100e-003	6.0100e-003	0.0000	10.7080	10.7080	2.7300e-003	0.0000	10.7762
Total	**0.0115**	**0.1134**	**0.0745**	**1.2000e-004**		**6.4300e-003**	**6.4300e-003**		**6.0100e-003**	**6.0100e-003**	**0.0000**	**10.7080**	**10.7080**	**2.7300e-003**	**0.0000**	**10.7762**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.6200e-003	9.2000e-004	1.0000e-005	2.5000e-004	3.0000e-005	2.9000e-004	7.0000e-005	3.0000e-005	1.1000e-004	0.0000	0.9905	0.9905	8.0000e-005	0.0000	0.9926
Worker	3.5000e-004	2.5000e-004	2.6600e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6647	0.6647	2.0000e-005	0.0000	0.6652
Total	**4.9000e-004**	**4.8700e-003**	**3.5800e-003**	**2.0000e-005**	**1.0200e-003**	**3.0000e-005**	**1.0600e-003**	**2.7000e-004**	**3.0000e-005**	**3.2000e-004**	**0.0000**	**1.6552**	**1.6552**	**1.0000e-004**	**0.0000**	**1.6578**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0115	0.1134	0.0745	1.2000e-004		6.4300e-003	6.4300e-003		6.0100e-003	6.0100e-003	0.0000	10.7080	10.7080	2.7300e-003	0.0000	10.7762
Total	**0.0115**	**0.1134**	**0.0745**	**1.2000e-004**		**6.4300e-003**	**6.4300e-003**		**6.0100e-003**	**6.0100e-003**	**0.0000**	**10.7080**	**10.7080**	**2.7300e-003**	**0.0000**	**10.7762**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.6200e-003	9.2000e-004	1.0000e-005	2.5000e-004	3.0000e-005	2.9000e-004	7.0000e-005	3.0000e-005	1.1000e-004	0.0000	0.9905	0.9905	8.0000e-005	0.0000	0.9926
Worker	3.5000e-004	2.5000e-004	2.6600e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6647	0.6647	2.0000e-005	0.0000	0.6652
Total	**4.9000e-004**	**4.8700e-003**	**3.5800e-003**	**2.0000e-005**	**1.0200e-003**	**3.0000e-005**	**1.0600e-003**	**2.7000e-004**	**3.0000e-005**	**3.2000e-004**	**0.0000**	**1.6552**	**1.6552**	**1.0000e-004**	**0.0000**	**1.6578**

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8300e-003	0.0000	5.8300e-003	6.3000e-004	0.0000	6.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0193	0.2369	0.1311	2.7000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	24.2145	24.2145	7.6600e-003	0.0000	24.4061
Total	**0.0193**	**0.2369**	**0.1311**	**2.7000e-004**	**5.8300e-003**	**9.3900e-003**	**0.0152**	**6.3000e-004**	**8.6400e-003**	**9.2700e-003**	**0.0000**	**24.2145**	**24.2145**	**7.6600e-003**	**0.0000**	**24.4061**

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	0.0102	2.0200e-003	2.0000e-005	5.6000e-004	8.0000e-005	6.3000e-004	1.6000e-004	7.0000e-005	2.3000e-004	0.0000	2.1790	2.1790	1.9000e-004	0.0000	2.1837
Worker	4.4000e-004	3.2000e-004	3.3400e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.8357	0.8357	2.0000e-005	0.0000	0.8362
Total	**7.4000e-004**	**0.0105**	**5.3600e-003**	**3.0000e-005**	**1.5300e-003**	**9.0000e-005**	**1.6000e-003**	**4.2000e-004**	**8.0000e-005**	**4.9000e-004**	**0.0000**	**3.0147**	**3.0147**	**2.1000e-004**	**0.0000**	**3.0199**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6200e-003	0.0000	2.6200e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0193	0.2369	0.1311	2.7000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	24.2145	24.2145	7.6600e-003	0.0000	24.4060
Total	**0.0193**	**0.2369**	**0.1311**	**2.7000e-004**	**2.6200e-003**	**9.3900e-003**	**0.0120**	**2.8000e-004**	**8.6400e-003**	**8.9200e-003**	**0.0000**	**24.2145**	**24.2145**	**7.6600e-003**	**0.0000**	**24.4060**

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	0.0102	2.0200e-003	2.0000e-005	5.6000e-004	8.0000e-005	6.3000e-004	1.6000e-004	7.0000e-005	2.3000e-004	0.0000	2.1790	2.1790	1.9000e-004	0.0000	2.1837
Worker	4.4000e-004	3.2000e-004	3.3400e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.8357	0.8357	2.0000e-005	0.0000	0.8362
Total	**7.4000e-004**	**0.0105**	**5.3600e-003**	**3.0000e-005**	**1.5300e-003**	**9.0000e-005**	**1.6000e-003**	**4.2000e-004**	**8.0000e-005**	**4.9000e-004**	**0.0000**	**3.0147**	**3.0147**	**2.1000e-004**	**0.0000**	**3.0199**

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0664	0.0000	0.0664	0.0364	0.0000	0.0364	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.2502	0.1117	2.3000e-004		0.0118	0.0118		0.0109	0.0109	0.0000	20.3697	20.3697	6.4400e-003	0.0000	20.5309
Total	**0.0223**	**0.2502**	**0.1117**	**2.3000e-004**	**0.0664**	**0.0118**	**0.0782**	**0.0364**	**0.0109**	**0.0473**	**0.0000**	**20.3697**	**20.3697**	**6.4400e-003**	**0.0000**	**20.5309**

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-004	0.0411	5.1900e-003	1.2000e-004	2.7100e-003	1.5000e-004	2.8500e-003	7.4000e-004	1.4000e-004	8.8000e-004	0.0000	11.5010	11.5010	7.5000e-004	0.0000	11.5198
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	4.0000e-004	4.1700e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0446	1.0446	3.0000e-005	0.0000	1.0453
Total	**1.4500e-003**	**0.0415**	**9.3600e-003**	**1.3000e-004**	**3.9200e-003**	**1.6000e-004**	**4.0700e-003**	**1.0600e-003**	**1.5000e-004**	**1.2100e-003**	**0.0000**	**12.5455**	**12.5455**	**7.8000e-004**	**0.0000**	**12.5650**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0299	0.0000	0.0299	0.0164	0.0000	0.0164	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.2502	0.1117	2.3000e-004		0.0118	0.0118		0.0109	0.0109	0.0000	20.3697	20.3697	6.4400e-003	0.0000	20.5308
Total	**0.0223**	**0.2502**	**0.1117**	**2.3000e-004**	**0.0299**	**0.0118**	**0.0417**	**0.0164**	**0.0109**	**0.0273**	**0.0000**	**20.3697**	**20.3697**	**6.4400e-003**	**0.0000**	**20.5308**

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-004	0.0411	5.1900e-003	1.2000e-004	2.7100e-003	1.5000e-004	2.8500e-003	7.4000e-004	1.4000e-004	8.8000e-004	0.0000	11.5010	11.5010	7.5000e-004	0.0000	11.5198
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	4.0000e-004	4.1700e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0446	1.0446	3.0000e-005	0.0000	1.0453
Total	**1.4500e-003**	**0.0415**	**9.3600e-003**	**1.3000e-004**	**3.9200e-003**	**1.6000e-004**	**4.0700e-003**	**1.0600e-003**	**1.5000e-004**	**1.2100e-003**	**0.0000**	**12.5455**	**12.5455**	**7.8000e-004**	**0.0000**	**12.5650**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3500e-003	0.0308	0.0256	3.0000e-005		2.1400e-003	2.1400e-003		1.9700e-003	1.9700e-003	0.0000	3.0031	3.0031	9.4000e-004	0.0000	3.0265
Total	**3.3500e-003**	**0.0308**	**0.0256**	**3.0000e-005**		**2.1400e-003**	**2.1400e-003**		**1.9700e-003**	**1.9700e-003**	**0.0000**	**3.0031**	**3.0031**	**9.4000e-004**	**0.0000**	**3.0265**

3.5 Trenching - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	4.1600e-003	8.1000e-004	1.0000e-005	2.5000e-004	2.0000e-005	2.8000e-004	7.0000e-005	2.0000e-005	1.0000e-004	0.0000	0.9836	0.9836	8.0000e-005	0.0000	0.9855
Worker	1.8000e-004	1.3000e-004	1.3800e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3678	0.3678	1.0000e-005	0.0000	0.3681
Total	**2.9000e-004**	**4.2900e-003**	**2.1900e-003**	**1.0000e-005**	**6.9000e-004**	**2.0000e-005**	**7.2000e-004**	**1.9000e-004**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**1.3514**	**1.3514**	**9.0000e-005**	**0.0000**	**1.3536**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3500e-003	0.0308	0.0256	3.0000e-005		2.1400e-003	2.1400e-003		1.9700e-003	1.9700e-003	0.0000	3.0031	3.0031	9.4000e-004	0.0000	3.0265
Total	**3.3500e-003**	**0.0308**	**0.0256**	**3.0000e-005**		**2.1400e-003**	**2.1400e-003**		**1.9700e-003**	**1.9700e-003**	**0.0000**	**3.0031**	**3.0031**	**9.4000e-004**	**0.0000**	**3.0265**

3.5 Trenching - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	4.1600e-003	8.1000e-004	1.0000e-005	2.5000e-004	2.0000e-005	2.8000e-004	7.0000e-005	2.0000e-005	1.0000e-004	0.0000	0.9836	0.9836	8.0000e-005	0.0000	0.9855
Worker	1.8000e-004	1.3000e-004	1.3800e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3678	0.3678	1.0000e-005	0.0000	0.3681
Total	**2.9000e-004**	**4.2900e-003**	**2.1900e-003**	**1.0000e-005**	**6.9000e-004**	**2.0000e-005**	**7.2000e-004**	**1.9000e-004**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**1.3514**	**1.3514**	**9.0000e-005**	**0.0000**	**1.3536**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1727	1.3162	1.1247	1.8900e-003		0.0716	0.0716		0.0686	0.0686	0.0000	156.7715	156.7715	0.0318	0.0000	157.5670
Total	**0.1727**	**1.3162**	**1.1247**	**1.8900e-003**		**0.0716**	**0.0716**		**0.0686**	**0.0686**	**0.0000**	**156.7715**	**156.7715**	**0.0318**	**0.0000**	**157.5670**

3.6 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4300e-003	0.1257	0.0246	3.1000e-004	7.6300e-003	7.1000e-004	8.3400e-003	2.2000e-003	6.8000e-004	2.8800e-003	0.0000	29.7032	29.7032	2.3700e-003	0.0000	29.7626
Worker	0.0132	9.2400e-003	0.0987	2.9000e-004	0.0315	1.9000e-004	0.0317	8.3700e-003	1.8000e-004	8.5500e-003	0.0000	26.3831	26.3831	6.6000e-004	0.0000	26.3996
Total	**0.0166**	**0.1349**	**0.1232**	**6.0000e-004**	**0.0392**	**9.0000e-004**	**0.0401**	**0.0106**	**8.6000e-004**	**0.0114**	**0.0000**	**56.0863**	**56.0863**	**3.0300e-003**	**0.0000**	**56.1622**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1727	1.3162	1.1247	1.8900e-003		0.0716	0.0716		0.0686	0.0686	0.0000	156.7713	156.7713	0.0318	0.0000	157.5668
Total	**0.1727**	**1.3162**	**1.1247**	**1.8900e-003**		**0.0716**	**0.0716**		**0.0686**	**0.0686**	**0.0000**	**156.7713**	**156.7713**	**0.0318**	**0.0000**	**157.5668**

3.6 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4300e-003	0.1257	0.0246	3.1000e-004	7.6300e-003	7.1000e-004	8.3400e-003	2.2000e-003	6.8000e-004	2.8800e-003	0.0000	29.7032	29.7032	2.3700e-003	0.0000	29.7626
Worker	0.0132	9.2400e-003	0.0987	2.9000e-004	0.0315	1.9000e-004	0.0317	8.3700e-003	1.8000e-004	8.5500e-003	0.0000	26.3831	26.3831	6.6000e-004	0.0000	26.3996
Total	**0.0166**	**0.1349**	**0.1232**	**6.0000e-004**	**0.0392**	**9.0000e-004**	**0.0401**	**0.0106**	**8.6000e-004**	**0.0114**	**0.0000**	**56.0863**	**56.0863**	**3.0300e-003**	**0.0000**	**56.1622**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0121	0.1217	0.1240	1.9000e-004		6.8900e-003	6.8900e-003		6.3500e-003	6.3500e-003	0.0000	16.2811	16.2811	5.1600e-003	0.0000	16.4101
Paving	3.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0125**	**0.1217**	**0.1240**	**1.9000e-004**		**6.8900e-003**	**6.8900e-003**		**6.3500e-003**	**6.3500e-003**	**0.0000**	**16.2811**	**16.2811**	**5.1600e-003**	**0.0000**	**16.4101**

3.7 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.4000e-004	5.7800e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.5449	1.5449	4.0000e-005	0.0000	1.5459
Total	**7.7000e-004**	**5.4000e-004**	**5.7800e-003**	**2.0000e-005**	**1.8500e-003**	**1.0000e-005**	**1.8600e-003**	**4.9000e-004**	**1.0000e-005**	**5.0000e-004**	**0.0000**	**1.5449**	**1.5449**	**4.0000e-005**	**0.0000**	**1.5459**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0121	0.1217	0.1240	1.9000e-004		6.8900e-003	6.8900e-003		6.3500e-003	6.3500e-003	0.0000	16.2810	16.2810	5.1600e-003	0.0000	16.4100
Paving	3.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0125**	**0.1217**	**0.1240**	**1.9000e-004**		**6.8900e-003**	**6.8900e-003**		**6.3500e-003**	**6.3500e-003**	**0.0000**	**16.2810**	**16.2810**	**5.1600e-003**	**0.0000**	**16.4100**

3.7 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.4000e-004	5.7800e-003	2.0000e-005	1.8500e-003	1.0000e-005	1.8600e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.5449	1.5449	4.0000e-005	0.0000	1.5459
Total	**7.7000e-004**	**5.4000e-004**	**5.7800e-003**	**2.0000e-005**	**1.8500e-003**	**1.0000e-005**	**1.8600e-003**	**4.9000e-004**	**1.0000e-005**	**5.0000e-004**	**0.0000**	**1.5449**	**1.5449**	**4.0000e-005**	**0.0000**	**1.5459**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.6700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3300e-003	9.2600e-003	0.0101	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.4043	1.4043	1.1000e-004	0.0000	1.4070
Total	**8.0000e-003**	**9.2600e-003**	**0.0101**	**2.0000e-005**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**1.4043**	**1.4043**	**1.1000e-004**	**0.0000**	**1.4070**

3.8 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.4000e-004	1.5100e-003	0.0000	4.8000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4046	0.4046	1.0000e-005	0.0000	0.4049
Total	**2.0000e-004**	**1.4000e-004**	**1.5100e-003**	**0.0000**	**4.8000e-004**	**0.0000**	**4.9000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4046**	**0.4046**	**1.0000e-005**	**0.0000**	**0.4049**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.6700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3300e-003	9.2600e-003	0.0101	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.4043	1.4043	1.1000e-004	0.0000	1.4070
Total	**8.0000e-003**	**9.2600e-003**	**0.0101**	**2.0000e-005**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**1.4043**	**1.4043**	**1.1000e-004**	**0.0000**	**1.4070**

3.8 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.4000e-004	1.5100e-003	0.0000	4.8000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4046	0.4046	1.0000e-005	0.0000	0.4049
Total	**2.0000e-004**	**1.4000e-004**	**1.5100e-003**	**0.0000**	**4.8000e-004**	**0.0000**	**4.9000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4046**	**0.4046**	**1.0000e-005**	**0.0000**	**0.4049**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0118	0.1004	0.1410	6.1000e-004	0.0455	4.5000e-004	0.0460	0.0122	4.2000e-004	0.0126	0.0000	56.5379	56.5379	3.0200e-003	0.0000	56.6134
Unmitigated	0.0118	0.1004	0.1410	6.1000e-004	0.0455	4.5000e-004	0.0460	0.0122	4.2000e-004	0.0126	0.0000	56.5379	56.5379	3.0200e-003	0.0000	56.6134

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	50.63	20.68	2.50	119,218	119,218
Parking Lot	0.00	0.00	0.00		
Total	50.63	20.68	2.50	119,218	119,218

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Parking Lot	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6.8653	6.8653	3.2000e-004	7.0000e-005	6.8928
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6.8653	6.8653	3.2000e-004	7.0000e-005	6.8928
NaturalGas Mitigated	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8451	1.8451	4.0000e-005	3.0000e-005	1.8560
NaturalGas Unmitigated	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8451	1.8451	4.0000e-005	3.0000e-005	1.8560

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	34575	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8451	1.8451	4.0000e-005	3.0000e-005	1.8560
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.9000e-004**	**1.6900e-003**	**1.4200e-003**	**1.0000e-005**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**	**0.0000**	**1.8451**	**1.8451**	**4.0000e-005**	**3.0000e-005**	**1.8560**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	34575	1.9000e-004	1.6900e-003	1.4200e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.8451	1.8451	4.0000e-005	3.0000e-005	1.8560
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.9000e-004**	**1.6900e-003**	**1.4200e-003**	**1.0000e-005**		**1.3000e-004**	**1.3000e-004**		**1.3000e-004**	**1.3000e-004**	**0.0000**	**1.8451**	**1.8451**	**4.0000e-005**	**3.0000e-005**	**1.8560**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	19700	5.6128	2.6000e-004	5.0000e-005	5.6353
Parking Lot	4396	1.2525	6.0000e-005	1.0000e-005	1.2575
Total		**6.8653**	**3.2000e-004**	**6.0000e-005**	**6.8928**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	19700	5.6128	2.6000e-004	5.0000e-005	5.6353
Parking Lot	4396	1.2525	6.0000e-005	1.0000e-005	1.2575
Total		**6.8653**	**3.2000e-004**	**6.0000e-005**	**6.8928**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0106	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	4.0000e-004
Unmitigated	0.0106	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	4.0000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	7.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.8500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	4.0000e-004
Total	**0.0106**	**0.0000**	**1.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.7000e-004**	**3.7000e-004**	**0.0000**	**0.0000**	**4.0000e-004**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	7.5000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	9.8500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.7000e-004	3.7000e-004	0.0000	0.0000	4.0000e-004
Total	**0.0106**	**0.0000**	**1.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.7000e-004**	**3.7000e-004**	**0.0000**	**0.0000**	**4.0000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1.0022	3.2400e-003	8.0000e-005	1.1085
Unmitigated	1.1009	4.0400e-003	1.0000e-004	1.2332

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.122623 / 0.191794	1.1009	4.0400e-003	1.0000e-004	1.2332
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**1.1009**	**4.0400e-003**	**1.0000e-004**	**1.2332**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.0980981 / 0.191794	1.0022	3.2400e-003	8.0000e-005	1.1085
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**1.0022**	**3.2400e-003**	**8.0000e-005**	**1.1085**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.6597	0.0390	0.0000	1.6344
Unmitigated	0.6597	0.0390	0.0000	1.6344

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	3.25	0.6597	0.0390	0.0000	1.6344
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.6597**	**0.0390**	**0.0000**	**1.6344**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	3.25	0.6597	0.0390	0.0000	1.6344
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.6597**	**0.0390**	**0.0000**	**1.6344**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	-1.5085	0.0000	0.0000	-1.5085

11.1 Vegetation Land Change

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Grassland	0.35 / 0	-1.5085	0.0000	0.0000	-1.5085
Total		**-1.5085**	**0.0000**	**0.0000**	**-1.5085**

Norco College Veterans Resource Center

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	2.50	1000sqft	0.06	2,500.00	0
Parking Lot	12.56	1000sqft	0.29	12,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	628.13	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor (lb/MWh) adjusted based on SCE 2017 Power Content Label.

Land Use -

Construction Phase - Per applicant provided information

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construciton activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on typical trenching activities for underground utilities.

Trips and VMT - Grading Haul Trips: Based on import of 2,500 cubic yards of fill

Grading - Applicant provided: 2,500 cubic yards of fill

Architectural Coating - Per applicant provided information

Vehicle Trips - Based on Traffic Study. Saturday and Sunday trip rates scaled based on 40.9% and 4.4% of weekday trip rate, respectively. Scaling factors based on CalEEMod defaults.

Area Coating - Per applicant, low VOC paint will be used for the project

Energy Use -

Water And Wastewater -

Land Use Change - Accounts for 2,500 sqft building and 12,560 sqft of new parking and paved areas

Construction Off-road Equipment Mitigation -

Area Mitigation - Per applicant provided information, low VOC paint will be used for the project.

Energy Mitigation -

Water Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblGrading	AcresOfGrading	11.00	0.00
tblGrading	AcresOfGrading	33.00	11.00
tblGrading	MaterialImported	0.00	2,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Building Construction

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	628.13
tblTripsAndVMT	HaulingTripNumber	313.00	314.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	2.00	16.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	6.00	38.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	1.00	8.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	1.00
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.9903	48.9006	23.4749	0.0603	7.0689	1.9480	9.0169	3.5062	1.7929	5.2991	0.0000	6,059.0335	6,059.0335	1.5094	0.0000	6,096.7686
2020	5.2933	32.5376	31.3373	0.0569	0.7955	1.7292	2.5247	0.2133	1.6378	1.8511	0.0000	5,403.1678	5,403.1678	1.0786	0.0000	5,430.1327
Maximum	**5.2933**	**48.9006**	**31.3373**	**0.0603**	**7.0689**	**1.9480**	**9.0169**	**3.5062**	**1.7929**	**5.2991**	**0.0000**	**6,059.0335**	**6,059.0335**	**1.5094**	**0.0000**	**6,096.7686**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.9903	48.9006	23.4749	0.0603	3.4572	1.9480	5.4052	1.6529	1.7929	3.4458	0.0000	6,059.0335	6,059.0335	1.5094	0.0000	6,096.7686
2020	5.2933	32.5376	31.3373	0.0569	0.7955	1.7292	2.5247	0.2133	1.6378	1.8511	0.0000	5,403.1678	5,403.1678	1.0786	0.0000	5,430.1327
Maximum	**5.2933**	**48.9006**	**31.3373**	**0.0603**	**3.4572**	**1.9480**	**5.4052**	**1.6529**	**1.7929**	**3.4458**	**0.0000**	**6,059.0335**	**6,059.0335**	**1.5094**	**0.0000**	**6,096.7686**

Norco College Veterans Resource Center - HRA - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**45.93**	**0.00**	**31.29**	**49.83**	**0.00**	**25.92**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0582	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003
Energy	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105
Mobile	0.0983	0.6958	1.1090	4.5600e-003	0.3261	3.1400e-003	0.3292	0.0873	2.9400e-003	0.0902		465.0343	465.0343	0.0234		465.6180
Total	**0.1576**	**0.7051**	**1.1184**	**4.6200e-003**	**0.3261**	**3.8600e-003**	**0.3300**	**0.0873**	**3.6600e-003**	**0.0909**		**476.1818**	**476.1818**	**0.0236**	**2.0000e-004**	**476.8320**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0582	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003
Energy	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105
Mobile	0.0983	0.6958	1.1090	4.5600e-003	0.3261	3.1400e-003	0.3292	0.0873	2.9400e-003	0.0902		465.0343	465.0343	0.0234		465.6180
Total	**0.1576**	**0.7051**	**1.1184**	**4.6200e-003**	**0.3261**	**3.8600e-003**	**0.3300**	**0.0873**	**3.6600e-003**	**0.0909**		**476.1818**	**476.1818**	**0.0236**	**2.0000e-004**	**476.8320**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/18/2019	11/29/2019	5	10	
2	Site Preparation	Site Preparation	12/1/2019	12/31/2019	5	22	
3	Grading	Grading	12/1/2019	12/31/2019	5	22	
4	Trenching	Trenching	1/1/2020	1/14/2020	5	10	
5	Building Construction	Building Construction	2/1/2020	8/31/2020	5	151	
6	Paving	Paving	8/1/2020	8/31/2020	5	21	
7	Architectural Coating	Architectural Coating	8/17/2020	8/31/2020	5	11	

Acres of Grading (Site Preparation Phase): 11

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.29

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,750; Non-Residential Outdoor: 1,250; Striped Parking Area: 754 (Architectural Coating – sqft)

OffRoad Equipment

Norco College Veterans Resource Center - HRA - Riverside-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	14.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	314.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	38.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**		**1.2863**	**1.2863**		**1.2017**	**1.2017**		**2,360.7198**	**2,360.7198**	**0.6011**		**2,375.7475**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0267	0.9107	0.1707	2.1100e-003	0.0512	6.9200e-003	0.0582	0.0148	6.6200e-003	0.0214		221.8421	221.8421	0.0178		222.2859
Worker	0.0771	0.0473	0.6220	1.6000e-003	0.1565	9.7000e-004	0.1575	0.0415	8.9000e-004	0.0424		159.2531	159.2531	4.4600e-003		159.3646
Total	**0.1037**	**0.9580**	**0.7926**	**3.7100e-003**	**0.2077**	**7.8900e-003**	**0.2156**	**0.0563**	**7.5100e-003**	**0.0638**		**381.0952**	**381.0952**	**0.0222**		**381.6504**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**		**1.2863**	**1.2863**		**1.2017**	**1.2017**	**0.0000**	**2,360.7197**	**2,360.7197**	**0.6011**		**2,375.7475**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0267	0.9107	0.1707	2.1100e-003	0.0512	6.9200e-003	0.0582	0.0148	6.6200e-003	0.0214		221.8421	221.8421	0.0178		222.2859
Worker	0.0771	0.0473	0.6220	1.6000e-003	0.1565	9.7000e-004	0.1575	0.0415	8.9000e-004	0.0424		159.2531	159.2531	4.4600e-003		159.3646
Total	**0.1037**	**0.9580**	**0.7926**	**3.7100e-003**	**0.2077**	**7.8900e-003**	**0.2156**	**0.0563**	**7.5100e-003**	**0.0638**		**381.0952**	**381.0952**	**0.0222**		**381.6504**

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.7557	21.5386	11.9143	0.0245		0.8537	0.8537		0.7854	0.7854		2,426.5408	2,426.5408	0.7677		2,445.7341
Total	**1.7557**	**21.5386**	**11.9143**	**0.0245**	**0.5303**	**0.8537**	**1.3840**	**0.0573**	**0.7854**	**0.8427**		**2,426.5408**	**2,426.5408**	**0.7677**		**2,445.7341**

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0267	0.9107	0.1707	2.1100e-003	0.0512	6.9200e-003	0.0582	0.0148	6.6200e-003	0.0214		221.8421	221.8421	0.0178		222.2859
Worker	0.0441	0.0270	0.3554	9.1000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		91.0018	91.0018	2.5500e-003		91.0655
Total	**0.0707**	**0.9377**	**0.5261**	**3.0200e-003**	**0.1407**	**7.4700e-003**	**0.1481**	**0.0385**	**7.1300e-003**	**0.0456**		**312.8439**	**312.8439**	**0.0203**		**313.3513**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.7557	21.5386	11.9143	0.0245		0.8537	0.8537		0.7854	0.7854	0.0000	2,426.5408	2,426.5408	0.7677		2,445.7341
Total	**1.7557**	**21.5386**	**11.9143**	**0.0245**	**0.2386**	**0.8537**	**1.0923**	**0.0258**	**0.7854**	**0.8112**	**0.0000**	**2,426.5408**	**2,426.5408**	**0.7677**		**2,445.7341**

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0267	0.9107	0.1707	2.1100e-003	0.0512	6.9200e-003	0.0582	0.0148	6.6200e-003	0.0214		221.8421	221.8421	0.0178		222.2859
Worker	0.0441	0.0270	0.3554	9.1000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		91.0018	91.0018	2.5500e-003		91.0655
Total	**0.0707**	**0.9377**	**0.5261**	**3.0200e-003**	**0.1407**	**7.4700e-003**	**0.1481**	**0.0385**	**7.1300e-003**	**0.0456**		**312.8439**	**312.8439**	**0.0203**		**313.3513**

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0365	0.0000	6.0365	3.3124	0.0000	3.3124			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871		2,041.2539	2,041.2539	0.6458		2,057.3997
Total	**2.0287**	**22.7444**	**10.1518**	**0.0206**	**6.0365**	**1.0730**	**7.1095**	**3.3124**	**0.9871**	**4.2995**		**2,041.2539**	**2,041.2539**	**0.6458**		**2,057.3997**

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0802	3.6461	0.4385	0.0110	0.2497	0.0132	0.2629	0.0685	0.0126	0.0811		1,164.6428	1,164.6428	0.0724		1,166.4517
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0551	0.0338	0.4443	1.1400e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		113.7522	113.7522	3.1800e-003		113.8319
Total	**0.1352**	**3.6799**	**0.8827**	**0.0121**	**0.3615**	**0.0139**	**0.3754**	**0.0981**	**0.0133**	**0.1113**		**1,278.3950**	**1,278.3950**	**0.0755**		**1,280.2836**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7164	0.0000	2.7164	1.4906	0.0000	1.4906			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997
Total	**2.0287**	**22.7444**	**10.1518**	**0.0206**	**2.7164**	**1.0730**	**3.7894**	**1.4906**	**0.9871**	**2.4777**	**0.0000**	**2,041.2539**	**2,041.2539**	**0.6458**		**2,057.3997**

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0802	3.6461	0.4385	0.0110	0.2497	0.0132	0.2629	0.0685	0.0126	0.0811		1,164.6428	1,164.6428	0.0724		1,166.4517
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0551	0.0338	0.4443	1.1400e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		113.7522	113.7522	3.1800e-003		113.8319
Total	**0.1352**	**3.6799**	**0.8827**	**0.0121**	**0.3615**	**0.0139**	**0.3754**	**0.0981**	**0.0133**	**0.1113**		**1,278.3950**	**1,278.3950**	**0.0755**		**1,280.2836**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6694	6.1530	5.1265	6.9600e-003		0.4271	0.4271		0.3937	0.3937		662.0600	662.0600	0.2066		667.2238
Total	**0.6694**	**6.1530**	**5.1265**	**6.9600e-003**		**0.4271**	**0.4271**		**0.3937**	**0.3937**		**662.0600**	**662.0600**	**0.2066**		**667.2238**

3.5 Trenching - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.8231	0.1506	2.0900e-003	0.0512	4.6800e-003	0.0559	0.0148	4.4800e-003	0.0192		220.3127	220.3127	0.0165		220.7259
Worker	0.0407	0.0241	0.3226	8.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		88.1276	88.1276	2.2600e-003		88.1840
Total	**0.0630**	**0.8472**	**0.4732**	**2.9700e-003**	**0.1407**	**5.2200e-003**	**0.1459**	**0.0385**	**4.9800e-003**	**0.0434**		**308.4403**	**308.4403**	**0.0188**		**308.9099**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6694	6.1530	5.1265	6.9600e-003		0.4271	0.4271		0.3937	0.3937	0.0000	662.0600	662.0600	0.2066		667.2238
Total	**0.6694**	**6.1530**	**5.1265**	**6.9600e-003**		**0.4271**	**0.4271**		**0.3937**	**0.3937**	**0.0000**	**662.0600**	**662.0600**	**0.2066**		**667.2238**

3.5 Trenching - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.8231	0.1506	2.0900e-003	0.0512	4.6800e-003	0.0559	0.0148	4.4800e-003	0.0192		220.3127	220.3127	0.0165		220.7259
Worker	0.0407	0.0241	0.3226	8.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		88.1276	88.1276	2.2600e-003		88.1840
Total	**0.0630**	**0.8472**	**0.4732**	**2.9700e-003**	**0.1407**	**5.2200e-003**	**0.1459**	**0.0385**	**4.9800e-003**	**0.0434**		**308.4403**	**308.4403**	**0.0188**		**308.9099**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
Total	**2.2879**	**17.4336**	**14.8972**	**0.0250**		**0.9482**	**0.9482**		**0.9089**	**0.9089**		**2,288.8877**	**2,288.8877**	**0.4646**		**2,300.5014**

3.6 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0446	1.6463	0.3012	4.1800e-003	0.1025	9.3600e-003	0.1118	0.0295	8.9600e-003	0.0385		440.6255	440.6255	0.0331		441.4517
Worker	0.1934	0.1144	1.5322	4.2000e-003	0.4248	2.5700e-003	0.4273	0.1127	2.3700e-003	0.1150		418.6059	418.6059	0.0107		418.8742
Total	**0.2380**	**1.7606**	**1.8334**	**8.3800e-003**	**0.5272**	**0.0119**	**0.5391**	**0.1422**	**0.0113**	**0.1535**		**859.2314**	**859.2314**	**0.0438**		**860.3259**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
Total	**2.2879**	**17.4336**	**14.8972**	**0.0250**		**0.9482**	**0.9482**		**0.9089**	**0.9089**	**0.0000**	**2,288.8877**	**2,288.8877**	**0.4646**		**2,300.5014**

3.6 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0446	1.6463	0.3012	4.1800e-003	0.1025	9.3600e-003	0.1118	0.0295	8.9600e-003	0.0385		440.6255	440.6255	0.0331		441.4517
Worker	0.1934	0.1144	1.5322	4.2000e-003	0.4248	2.5700e-003	0.4273	0.1127	2.3700e-003	0.1150		418.6059	418.6059	0.0107		418.8742
Total	**0.2380**	**1.7606**	**1.8334**	**8.3800e-003**	**0.5272**	**0.0119**	**0.5391**	**0.1422**	**0.0113**	**0.1535**		**859.2314**	**859.2314**	**0.0438**		**860.3259**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1909**	**11.5873**	**11.8076**	**0.0178**		**0.6565**	**0.6565**		**0.6051**	**0.6051**		**1,709.2180**	**1,709.2180**	**0.5417**		**1,722.7605**

3.7 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0814	0.0482	0.6451	1.7700e-003	0.1788	1.0800e-003	0.1799	0.0474	1.0000e-003	0.0484		176.2551	176.2551	4.5200e-003		176.3681
Total	**0.0814**	**0.0482**	**0.6451**	**1.7700e-003**	**0.1788**	**1.0800e-003**	**0.1799**	**0.0474**	**1.0000e-003**	**0.0484**		**176.2551**	**176.2551**	**4.5200e-003**		**176.3681**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1909**	**11.5873**	**11.8076**	**0.0178**		**0.6565**	**0.6565**		**0.6051**	**0.6051**	**0.0000**	**1,709.2180**	**1,709.2180**	**0.5417**		**1,722.7605**

3.7 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0814	0.0482	0.6451	1.7700e-003	0.1788	1.0800e-003	0.1799	0.0474	1.0000e-003	0.0484		176.2551	176.2551	4.5200e-003		176.3681
Total	**0.0814**	**0.0482**	**0.6451**	**1.7700e-003**	**0.1788**	**1.0800e-003**	**0.1799**	**0.0474**	**1.0000e-003**	**0.0484**		**176.2551**	**176.2551**	**4.5200e-003**		**176.3681**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**1.4544**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.8 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0241	0.3226	8.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		88.1276	88.1276	2.2600e-003		88.1840
Total	**0.0407**	**0.0241**	**0.3226**	**8.8000e-004**	**0.0894**	**5.4000e-004**	**0.0900**	**0.0237**	**5.0000e-004**	**0.0242**		**88.1276**	**88.1276**	**2.2600e-003**		**88.1840**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**1.4544**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.8 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0407	0.0241	0.3226	8.8000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		88.1276	88.1276	2.2600e-003		88.1840
Total	**0.0407**	**0.0241**	**0.3226**	**8.8000e-004**	**0.0894**	**5.4000e-004**	**0.0900**	**0.0237**	**5.0000e-004**	**0.0242**		**88.1276**	**88.1276**	**2.2600e-003**		**88.1840**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0983	0.6958	1.1090	4.5600e-003	0.3261	3.1400e-003	0.3292	0.0873	2.9400e-003	0.0902		465.0343	465.0343	0.0234		465.6180
Unmitigated	0.0983	0.6958	1.1090	4.5600e-003	0.3261	3.1400e-003	0.3292	0.0873	2.9400e-003	0.0902		465.0343	465.0343	0.0234		465.6180

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	50.63	20.68	2.50	119,218	119,218
Parking Lot	0.00	0.00	0.00		
Total	50.63	20.68	2.50	119,218	119,218

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Parking Lot	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105
NaturalGas Unmitigated	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	94.726	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.0200e-003**	**9.2900e-003**	**7.8000e-003**	**6.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**		**11.1442**	**11.1442**	**2.1000e-004**	**2.0000e-004**	**11.2105**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	0.094726	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.0200e-003**	**9.2900e-003**	**7.8000e-003**	**6.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**		**11.1442**	**11.1442**	**2.1000e-004**	**2.0000e-004**	**11.2105**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0582	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003
Unmitigated	0.0582	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0540					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003
Total	**0.0582**	**1.0000e-005**	**1.5400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.3000e-003**	**3.3000e-003**	**1.0000e-005**		**3.5100e-003**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0540					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003
Total	**0.0582**	**1.0000e-005**	**1.5400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.3000e-003**	**3.3000e-003**	**1.0000e-005**		**3.5100e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Norco College Veterans Resource Center

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	2.50	1000sqft	0.06	2,500.00	0
Parking Lot	12.56	1000sqft	0.29	12,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	628.13	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 Intensity Factor (lb/MWh) adjusted based on SCE 2017 Power Content Label.

Land Use -

Construction Phase - Per applicant provided information

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on expected site specific construciton activities

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on typical trenching activities for underground utilities.

Trips and VMT - Grading Haul Trips: Based on import of 2,500 cubic yards of fill

Grading - Applicant provided: 2,500 cubic yards of fill

Architectural Coating - Per applicant provided information

Vehicle Trips - Based on Traffic Study. Saturday and Sunday trip rates scaled based on 40.9% and 4.4% of weekday trip rate, respectively. Scaling factors based on CalEEMod defaults.

Area Coating - Per applicant, low VOC paint will be used for the project

Energy Use -

Water And Wastewater -

Land Use Change - Accounts for 2,500 sqft building and 12,560 sqft of new parking and paved areas

Construction Off-road Equipment Mitigation -

Area Mitigation - Per applicant provided information, low VOC paint will be used for the project.

Energy Mitigation -

Water Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00

tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblGrading	AcresOfGrading	11.00	0.00
tblGrading	AcresOfGrading	33.00	11.00
tblGrading	MaterialImported	0.00	2,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Paving
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Building Construction

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	628.13
tblTripsAndVMT	HaulingTripNumber	313.00	314.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	2.00	16.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	6.00	38.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	1.00	8.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	1.00
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.9935	48.9374	23.4281	0.0597	7.0689	1.9483	9.0172	3.5062	1.7932	5.2994	0.0000	6,000.7998	6,000.7998	1.5175	0.0000	6,038.7371
2020	5.2892	32.5354	30.9111	0.0560	0.7955	1.7293	2.5248	0.2133	1.6379	1.8512	0.0000	5,316.3284	5,316.3284	1.0800	0.0000	5,343.3292
Maximum	**5.2892**	**48.9374**	**30.9111**	**0.0597**	**7.0689**	**1.9483**	**9.0172**	**3.5062**	**1.7932**	**5.2994**	**0.0000**	**6,000.7998**	**6,000.7998**	**1.5175**	**0.0000**	**6,038.7371**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	3.9935	48.9374	23.4281	0.0597	3.4572	1.9483	5.4055	1.6529	1.7932	3.4461	0.0000	6,000.7998	6,000.7998	1.5175	0.0000	6,038.7371
2020	5.2892	32.5354	30.9111	0.0560	0.7955	1.7293	2.5248	0.2133	1.6379	1.8512	0.0000	5,316.3284	5,316.3284	1.0800	0.0000	5,343.3292
Maximum	**5.2892**	**48.9374**	**30.9111**	**0.0597**	**3.4572**	**1.9483**	**5.4055**	**1.6529**	**1.7932**	**3.4461**	**0.0000**	**6,000.7998**	**6,000.7998**	**1.5175**	**0.0000**	**6,038.7371**

Norco College Veterans Resource Center - HRA - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	45.93	0.00	31.29	49.83	0.00	25.92	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0582	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003
Energy	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105
Mobile	0.0832	0.6953	0.9664	4.2000e-003	0.3261	3.1700e-003	0.3293	0.0873	2.9800e-003	0.0902		429.1915	429.1915	0.0242		429.7964
Total	**0.1424**	**0.7046**	**0.9758**	**4.2600e-003**	**0.3261**	**3.8900e-003**	**0.3300**	**0.0873**	**3.7000e-003**	**0.0910**		**440.3391**	**440.3391**	**0.0244**	**2.0000e-004**	**441.0104**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0582	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003
Energy	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105
Mobile	0.0832	0.6953	0.9664	4.2000e-003	0.3261	3.1700e-003	0.3293	0.0873	2.9800e-003	0.0902		429.1915	429.1915	0.0242		429.7964
Total	**0.1424**	**0.7046**	**0.9758**	**4.2600e-003**	**0.3261**	**3.8900e-003**	**0.3300**	**0.0873**	**3.7000e-003**	**0.0910**		**440.3391**	**440.3391**	**0.0244**	**2.0000e-004**	**441.0104**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/18/2019	11/29/2019	5	10	
2	Site Preparation	Site Preparation	12/1/2019	12/31/2019	5	22	
3	Grading	Grading	12/1/2019	12/31/2019	5	22	
4	Trenching	Trenching	1/1/2020	1/14/2020	5	10	
5	Building Construction	Building Construction	2/1/2020	8/31/2020	5	151	
6	Paving	Paving	8/1/2020	8/31/2020	5	21	
7	Architectural Coating	Architectural Coating	8/17/2020	8/31/2020	5	11	

Acres of Grading (Site Preparation Phase): 11

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.29

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,750; Non-Residential Outdoor: 1,250; Striped Parking Area: 754 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	14.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	314.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	38.00	16.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017		2,360.7198	2,360.7198	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**		**1.2863**	**1.2863**		**1.2017**	**1.2017**		**2,360.7198**	**2,360.7198**	**0.6011**		**2,375.7475**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0280	0.9086	0.1984	2.0300e-003	0.0512	7.0000e-003	0.0582	0.0148	6.7000e-003	0.0215		213.5509	213.5509	0.0197		214.0439
Worker	0.0753	0.0490	0.5041	1.4300e-003	0.1565	9.7000e-004	0.1575	0.0415	8.9000e-004	0.0424		142.8724	142.8724	3.8800e-003		142.9693
Total	**0.1033**	**0.9576**	**0.7025**	**3.4600e-003**	**0.2077**	**7.9700e-003**	**0.2157**	**0.0563**	**7.5900e-003**	**0.0638**		**356.4233**	**356.4233**	**0.0236**		**357.0132**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2950	22.6751	14.8943	0.0241		1.2863	1.2863		1.2017	1.2017	0.0000	2,360.7197	2,360.7197	0.6011		2,375.7475
Total	**2.2950**	**22.6751**	**14.8943**	**0.0241**		**1.2863**	**1.2863**		**1.2017**	**1.2017**	**0.0000**	**2,360.7197**	**2,360.7197**	**0.6011**		**2,375.7475**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0280	0.9086	0.1984	2.0300e-003	0.0512	7.0000e-003	0.0582	0.0148	6.7000e-003	0.0215		213.5509	213.5509	0.0197		214.0439
Worker	0.0753	0.0490	0.5041	1.4300e-003	0.1565	9.7000e-004	0.1575	0.0415	8.9000e-004	0.0424		142.8724	142.8724	3.8800e-003		142.9693
Total	**0.1033**	**0.9576**	**0.7025**	**3.4600e-003**	**0.2077**	**7.9700e-003**	**0.2157**	**0.0563**	**7.5900e-003**	**0.0638**		**356.4233**	**356.4233**	**0.0236**		**357.0132**

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.7557	21.5386	11.9143	0.0245		0.8537	0.8537		0.7854	0.7854		2,426.5408	2,426.5408	0.7677		2,445.7341
Total	**1.7557**	**21.5386**	**11.9143**	**0.0245**	**0.5303**	**0.8537**	**1.3840**	**0.0573**	**0.7854**	**0.8427**		**2,426.5408**	**2,426.5408**	**0.7677**		**2,445.7341**

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0280	0.9086	0.1984	2.0300e-003	0.0512	7.0000e-003	0.0582	0.0148	6.7000e-003	0.0215		213.5509	213.5509	0.0197		214.0439
Worker	0.0430	0.0280	0.2880	8.2000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.6414	81.6414	2.2200e-003		81.6968
Total	**0.0710**	**0.9366**	**0.4865**	**2.8500e-003**	**0.1407**	**7.5500e-003**	**0.1482**	**0.0385**	**7.2100e-003**	**0.0457**		**295.1923**	**295.1923**	**0.0219**		**295.7406**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	1.7557	21.5386	11.9143	0.0245		0.8537	0.8537		0.7854	0.7854	0.0000	2,426.5408	2,426.5408	0.7677		2,445.7341
Total	**1.7557**	**21.5386**	**11.9143**	**0.0245**	**0.2386**	**0.8537**	**1.0923**	**0.0258**	**0.7854**	**0.8112**	**0.0000**	**2,426.5408**	**2,426.5408**	**0.7677**		**2,445.7341**

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0280	0.9086	0.1984	2.0300e-003	0.0512	7.0000e-003	0.0582	0.0148	6.7000e-003	0.0215		213.5509	213.5509	0.0197		214.0439
Worker	0.0430	0.0280	0.2880	8.2000e-004	0.0894	5.5000e-004	0.0900	0.0237	5.1000e-004	0.0242		81.6414	81.6414	2.2200e-003		81.6968
Total	**0.0710**	**0.9366**	**0.4865**	**2.8500e-003**	**0.1407**	**7.5500e-003**	**0.1482**	**0.0385**	**7.2100e-003**	**0.0457**		**295.1923**	**295.1923**	**0.0219**		**295.7406**

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0365	0.0000	6.0365	3.3124	0.0000	3.3124			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871		2,041.2539	2,041.2539	0.6458		2,057.3997
Total	**2.0287**	**22.7444**	**10.1518**	**0.0206**	**6.0365**	**1.0730**	**7.1095**	**3.3124**	**0.9871**	**4.2995**		**2,041.2539**	**2,041.2539**	**0.6458**		**2,057.3997**

3.4 Grading - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0843	3.6828	0.5155	0.0107	0.2497	0.0134	0.2631	0.0685	0.0128	0.0813		1,135.7611	1,135.7611	0.0792		1,137.7418
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0350	0.3601	1.0200e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		102.0517	102.0517	2.7700e-003		102.1209
Total	**0.1381**	**3.7178**	**0.8755**	**0.0117**	**0.3615**	**0.0141**	**0.3756**	**0.0981**	**0.0135**	**0.1116**		**1,237.8128**	**1,237.8128**	**0.0820**		**1,239.8628**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7164	0.0000	2.7164	1.4906	0.0000	1.4906			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997
Total	**2.0287**	**22.7444**	**10.1518**	**0.0206**	**2.7164**	**1.0730**	**3.7894**	**1.4906**	**0.9871**	**2.4777**	**0.0000**	**2,041.2539**	**2,041.2539**	**0.6458**		**2,057.3997**

3.4 Grading - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0843	3.6828	0.5155	0.0107	0.2497	0.0134	0.2631	0.0685	0.0128	0.0813		1,135.7611	1,135.7611	0.0792		1,137.7418
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0538	0.0350	0.3601	1.0200e-003	0.1118	6.9000e-004	0.1125	0.0296	6.4000e-004	0.0303		102.0517	102.0517	2.7700e-003		102.1209
Total	**0.1381**	**3.7178**	**0.8755**	**0.0117**	**0.3615**	**0.0141**	**0.3756**	**0.0981**	**0.0135**	**0.1116**		**1,237.8128**	**1,237.8128**	**0.0820**		**1,239.8628**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6694	6.1530	5.1265	6.9600e-003		0.4271	0.4271		0.3937	0.3937		662.0600	662.0600	0.2066		667.2238
Total	**0.6694**	**6.1530**	**5.1265**	**6.9600e-003**		**0.4271**	**0.4271**		**0.3937**	**0.3937**		**662.0600**	**662.0600**	**0.2066**		**667.2238**

3.5 Trenching - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0235	0.8188	0.1763	2.0100e-003	0.0512	4.7400e-003	0.0560	0.0148	4.5300e-003	0.0193		212.0342	212.0342	0.0184		212.4939
Worker	0.0399	0.0249	0.2609	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		79.0589	79.0589	1.9600e-003		79.1080
Total	**0.0634**	**0.8437**	**0.4373**	**2.8000e-003**	**0.1407**	**5.2800e-003**	**0.1459**	**0.0385**	**5.0300e-003**	**0.0435**		**291.0931**	**291.0931**	**0.0204**		**291.6019**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6694	6.1530	5.1265	6.9600e-003		0.4271	0.4271		0.3937	0.3937	0.0000	662.0600	662.0600	0.2066		667.2238
Total	**0.6694**	**6.1530**	**5.1265**	**6.9600e-003**		**0.4271**	**0.4271**		**0.3937**	**0.3937**	**0.0000**	**662.0600**	**662.0600**	**0.2066**		**667.2238**

3.5 Trenching - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0235	0.8188	0.1763	2.0100e-003	0.0512	4.7400e-003	0.0560	0.0148	4.5300e-003	0.0193		212.0342	212.0342	0.0184		212.4939
Worker	0.0399	0.0249	0.2609	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		79.0589	79.0589	1.9600e-003		79.1080
Total	**0.0634**	**0.8437**	**0.4373**	**2.8000e-003**	**0.1407**	**5.2800e-003**	**0.1459**	**0.0385**	**5.0300e-003**	**0.0435**		**291.0931**	**291.0931**	**0.0204**		**291.6019**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
Total	**2.2879**	**17.4336**	**14.8972**	**0.0250**		**0.9482**	**0.9482**		**0.9089**	**0.9089**		**2,288.8877**	**2,288.8877**	**0.4646**		**2,300.5014**

3.6 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0470	1.6377	0.3526	4.0200e-003	0.1025	9.4700e-003	0.1119	0.0295	9.0600e-003	0.0386		424.0684	424.0684	0.0368		424.9878
Worker	0.1894	0.1183	1.2395	3.7700e-003	0.4248	2.5700e-003	0.4273	0.1127	2.3700e-003	0.1150		375.5296	375.5296	9.3300e-003		375.7628
Total	**0.2364**	**1.7560**	**1.5921**	**7.7900e-003**	**0.5272**	**0.0120**	**0.5393**	**0.1422**	**0.0114**	**0.1536**		**799.5980**	**799.5980**	**0.0461**		**800.7506**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
Total	**2.2879**	**17.4336**	**14.8972**	**0.0250**		**0.9482**	**0.9482**		**0.9089**	**0.9089**	**0.0000**	**2,288.8877**	**2,288.8877**	**0.4646**		**2,300.5014**

3.6 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0470	1.6377	0.3526	4.0200e-003	0.1025	9.4700e-003	0.1119	0.0295	9.0600e-003	0.0386		424.0684	424.0684	0.0368		424.9878
Worker	0.1894	0.1183	1.2395	3.7700e-003	0.4248	2.5700e-003	0.4273	0.1127	2.3700e-003	0.1150		375.5296	375.5296	9.3300e-003		375.7628
Total	**0.2364**	**1.7560**	**1.5921**	**7.7900e-003**	**0.5272**	**0.0120**	**0.5393**	**0.1422**	**0.0114**	**0.1536**		**799.5980**	**799.5980**	**0.0461**		**800.7506**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1909**	**11.5873**	**11.8076**	**0.0178**		**0.6565**	**0.6565**		**0.6051**	**0.6051**		**1,709.2180**	**1,709.2180**	**0.5417**		**1,722.7605**

3.7 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0797	0.0498	0.5219	1.5900e-003	0.1788	1.0800e-003	0.1799	0.0474	1.0000e-003	0.0484		158.1177	158.1177	3.9300e-003		158.2159
Total	**0.0797**	**0.0498**	**0.5219**	**1.5900e-003**	**0.1788**	**1.0800e-003**	**0.1799**	**0.0474**	**1.0000e-003**	**0.0484**		**158.1177**	**158.1177**	**3.9300e-003**		**158.2159**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.0362					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1909**	**11.5873**	**11.8076**	**0.0178**		**0.6565**	**0.6565**		**0.6051**	**0.6051**	**0.0000**	**1,709.2180**	**1,709.2180**	**0.5417**		**1,722.7605**

3.7 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0797	0.0498	0.5219	1.5900e-003	0.1788	1.0800e-003	0.1799	0.0474	1.0000e-003	0.0484		158.1177	158.1177	3.9300e-003		158.2159
Total	**0.0797**	**0.0498**	**0.5219**	**1.5900e-003**	**0.1788**	**1.0800e-003**	**0.1799**	**0.0474**	**1.0000e-003**	**0.0484**		**158.1177**	**158.1177**	**3.9300e-003**		**158.2159**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	**1.4544**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.8 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0249	0.2609	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		79.0589	79.0589	1.9600e-003		79.1080
Total	**0.0399**	**0.0249**	**0.2609**	**7.9000e-004**	**0.0894**	**5.4000e-004**	**0.0900**	**0.0237**	**5.0000e-004**	**0.0242**		**79.0589**	**79.0589**	**1.9600e-003**		**79.1080**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2123					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	**1.4544**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9928**

3.8 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0399	0.0249	0.2609	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		79.0589	79.0589	1.9600e-003		79.1080
Total	**0.0399**	**0.0249**	**0.2609**	**7.9000e-004**	**0.0894**	**5.4000e-004**	**0.0900**	**0.0237**	**5.0000e-004**	**0.0242**		**79.0589**	**79.0589**	**1.9600e-003**		**79.1080**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0832	0.6953	0.9664	4.2000e-003	0.3261	3.1700e-003	0.3293	0.0873	2.9800e-003	0.0902		429.1915	429.1915	0.0242		429.7964
Unmitigated	0.0832	0.6953	0.9664	4.2000e-003	0.3261	3.1700e-003	0.3293	0.0873	2.9800e-003	0.0902		429.1915	429.1915	0.0242		429.7964

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	50.63	20.68	2.50	119,218	119,218
Parking Lot	0.00	0.00	0.00		
Total	50.63	20.68	2.50	119,218	119,218

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Parking Lot	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105
NaturalGas Unmitigated	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	94.726	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.0200e-003**	**9.2900e-003**	**7.8000e-003**	**6.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**		**11.1442**	**11.1442**	**2.1000e-004**	**2.0000e-004**	**11.2105**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	0.094726	1.0200e-003	9.2900e-003	7.8000e-003	6.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004		11.1442	11.1442	2.1000e-004	2.0000e-004	11.2105
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**1.0200e-003**	**9.2900e-003**	**7.8000e-003**	**6.0000e-005**		**7.1000e-004**	**7.1000e-004**		**7.1000e-004**	**7.1000e-004**		**11.1442**	**11.1442**	**2.1000e-004**	**2.0000e-004**	**11.2105**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0582	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003
Unmitigated	0.0582	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0540					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003
Total	**0.0582**	**1.0000e-005**	**1.5400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.3000e-003**	**3.3000e-003**	**1.0000e-005**		**3.5100e-003**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.1300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0540					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		3.3000e-003	3.3000e-003	1.0000e-005		3.5100e-003
Total	**0.0582**	**1.0000e-005**	**1.5400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**3.3000e-003**	**3.3000e-003**	**1.0000e-005**		**3.5100e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Health Risk Assessment Report
for the Norco College Veterans Center Project
City of Norco, California

Prepared for:

Riverside Community College District
3801 Market Street
Riverside, California 92501
Contact: Bart Doering, Facilities Development Director

Prepared by:

DUDEK
1102 R Street
Sacramento, California 95811
Contact: Matthew Morales

JUNE 2019

Printed on 30% post-consumer recycled material.

TABLE OF CONTENTS

Section **Page No.**

ACRONYMS AND ABBREVIATIONS ..... **III**

SUMMARY ..... **V**

1 INTRODUCTION **1**
1.1 Purpose 1
1.2 Project Description 1
1.3 Toxic Air Contaminants 2
1.4 Cancer Risk 2
1.5 Acute and Chronic Non-Cancer Health Impacts 3

2 GUIDANCE AND THRESHOLDS **5**
2.1 Office of Environmental Health Hazard Assessment's Guidance 5
2.2 South Coast Air Quality Management District Guidance 6

3 RECEPTORS USED FOR EVALUATING MODELED IMPACTS **7**

4 MODELING METHODOLOGY **9**
4.1 Dispersion Model 9
4.2 Emission Calculations 13
4.3 Health Risk Assessment Methodology 13

5 HEALTH RISK RESULTS **15**

6 CONCLUSIONS **17**

7 REFERENCES **19**

FIGURE

1 Wind Rose of Meteorological Data 11

TABLES

1 SCAQMD CEQA TAC Emissions Thresholds 6
2 Construction DPM Emissions - Unmitigated 13
3 Construction HRA Results - Unmitigated 15

APPENDICES

A Emission Calculations
B AERMOD Input and HARP2 Output Files

INTENTIONALLY LEFT BLANK

ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
ASF	age-sensitivity factor
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CEQA	California Environmental Quality Act
DBR	daily breathing rate
DPM	diesel particulate matter
EPA	U.S. Environmental Protection Agency
FAH	fraction of time at home
g/s	grams per second
HARP2	Hotspots Analysis and Reporting Program Version 2
HRA	health risk assessment
m E	meters easting
m N	meters northing
NED	National Elevation Dataset
OEHHA	Office of Environmental Health Hazard Assessment
PM_{10}	particulate matter with a diameter less the 10 microns
project	Norco College Veterans Center Project
REL	reference exposure level
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
TAC	toxic air contaminant
$\mu g/m^3$	microgram per cubic meter
UTM	Universal Transverse Mercator

INTENTIONALLY LEFT BLANK

SUMMARY

The purpose of this health risk assessment (HRA) is to determine the potential cancer risk and non-cancer health impacts to existing sensitive residential and school receptors in close proximity to the proposed Norco College Veterans Center Project (project) due to toxic air contaminant (TAC) emissions resulting from construction of the project.

Air dispersion modeling was conducted using the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) Version 18081 and the Hotspots Analysis and Reporting Program Version 2 (HARP2). The South Coast Air Quality Management District's (SCAQMD's) *Modeling Guidance for AERMOD* (SCAQMD 2019a) and the Office of Environmental Health Hazard Assessment's (OEHHA's) *Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015* (2015 Risk Assessment Guidelines Manual; OEHHA 2015) were used to prepare this HRA. For the residential receptors, the health risk was calculated assuming exposure from construction-generated TAC emissions would occur 8 hours per day, 5 days per week, for approximately 193 active days of construction, starting in the 3rd trimester of pregnancy. For the school receptors, the health risk was calculated assuming exposure from construction-generated TAC emissions would occur over the same duration, but assuming the age of receptors would be adults (i.e., 16 years or older) at the college.

This HRA finds that the unmitigated cancer risks of 6.43 in 1 million and 1.13 in 1 million for the maximally exposed residential and school receptors, respectively, would not exceed the 10 in 1 million SCAQMD threshold. The non-cancer chronic hazard index of 0.0095 and 0.084 for the maximally exposed residential and school receptors, respectively, would not exceed the SCAQMD threshold of 1.0. Thus, project construction would result in less-than-significant cancer and chronic health risk impacts at proximate sensitive residential receptors. No short-term, acute reference exposure levels are established and regulated for diesel particulate matter (DPM) and are therefore not addressed in this assessment.

INTENTIONALLY LEFT BLANK

1 INTRODUCTION

1.1 Purpose

In support of the air quality technical report preparation for the proposed Norco College Veterans Center Project (project), the health risk assessment (HRA) modeling analysis was prepared to estimate health risk impacts to existing residents and students from exposure to toxic air contaminant (TAC) emissions from construction at the project site. The analysis in this HRA uses air dispersion modeling and Hotspots Analysis and Reporting Program Version 2 (HARP2) to evaluate potential health risks associated with the project. Results of the modeling analysis are compared with the most recent California Environmental Quality Act (CEQA) significance thresholds established by the South Coast Air Quality Management District (SCAQMD). Per CEQA Guidelines, Appendix G (14 CCR 15000 et seq.), the HRA directly addresses the criterion: Would the project expose sensitive receptors to substantial pollutant concentrations?

1.2 Project Description

The proposed project would involve the construction of an approximately 2,500 square-foot, 19-foot high Veterans Resources Center building on the southeastern portion of the Norco College campus. Construction of the Center would necessitate removal of the existing landscaped area currently consisting of walkways and ornamental plants. The Center would include five office spaces, open work stations/study area and laptop space, a restroom for employees and students, lounge seating, and a utility room. The project would also include a 1,000 square-foot outdoor covered deck, and BBQ area. The project would also include exterior site improvements, such as landscaping, a retention pond, a monument plaza, a vehicle drop-off area, and associated parking. Landscaping would be designed consistent with the surrounding parts of campus and would feature a mix of native and drought tolerant plants. The proposed deck would be constructed of concrete and would provide the center with an outdoor event space. The monument plaza located at the northern end of the site would connect to the existing Norco Horse Trail, and would feature a stand of flags. Vehicular access to the project site would be via the existing Science, Technology, Engineering, and Mathematics (STEM) Center driveway connecting to Third Street. Parking for the Center would be provided by an expansion of the existing 45 space STEM parking lot, located east of the project site. The expanded parking lot would include 20 new parking stalls for a total of 65 parking stalls in the expanded STEM parking lot.

1.3 Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure or acute (short-term) and/or chronic (long-term) non-cancer health effects. A toxic substance released into the air is considered a TAC. Examples include certain aromatic and chlorinated hydrocarbons, diesel particulate matter (DPM), certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources such as dry cleaners, gas stations, combustion sources, and laboratories; mobile sources, such as automobiles; and area sources, such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and noncarcinogenic effects. Noncarcinogenic effects typically affect one or more target organ systems and may be experienced through either acute or chronic exposure to a given TAC.

California's air toxics control program began in 1983 with the passage of Assembly Bill 1807, the Toxic Air Contaminant Identification and Control Act, better known as the Tanner Bill. The Tanner Bill established a regulatory process for the scientific and public review of individual toxic compounds. When a compound becomes listed as a TAC under the Tanner Bill, the California Air Resources Board (CARB) normally establishes minimum statewide emission-control measures to be adopted by air quality management districts and air pollution control districts. By 1992, 18 of the 187 federal hazardous air pollutants had been listed by CARB as state TACs. In April 1993, CARB added 171 substances to the state program to make the state TAC list equal to the federal list of hazardous air pollutants. In 1998, CARB designated DPM as a TAC (CARB 1998). The exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens.

The second major component of California's air toxics program, supplementing the Tanner process, was provided by the passage of Assembly Bill 2588, the Air Toxics "Hot Spots" Information and Assessment Act of 1987. Assembly Bill 2588 currently regulates over 600 compounds, including all of the Tanner Bill–designated TACs.

1.4 Cancer Risk

Cancer risk is defined as the increase in lifetime probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, typically expressed as the increased probability in 1 million. The cancer risk from inhalation of a TAC is estimated by calculating the inhalation (and if applicable, ingestion and dermal) dose in units of milligrams per kilogram body weight per day based on an ambient concentration in units of micrograms per cubic meter ($\mu g/m^3$), breathing rate, and exposure period, and multiplying the dose by the inhalation cancer potency factor, expressed as $(\text{milligrams/kilogram body weight per day})^{-1}$. Cancer risks are typically

calculated for all carcinogenic TACs and summed to calculate the overall increase in cancer risk to an individual. The calculation procedure assumes that cancer risk is proportional to concentrations at any level of exposure and that risks due to different carcinogens are additive. This approach is generally considered a conservative assumption at low doses and is consistent with the current Office of Environmental Health Hazard Assessment (OEHHA) regulatory approach. Exposure to carcinogenic TACs does not imply that the exposed individual would contract cancer; rather, the cancer risk is a probability of developing cancer if other factors (e.g., heredity, exposure to environmental or workplace risks that compromise the immune system, overall health) would result in an increased susceptibility to developing cancer.

The cancer risk calculations were performed by multiplying the predicted dispersion modeled output data by the TAC emissions and the appropriate risk values. The exposure and risk equations that were used to calculate the cancer risk at receptors from project construction are integrated in the HARP2, in accordance with the 2015 Risk Assessment Guidelines Manual (OEHHA 2015).

1.5 Acute and Chronic Non-Cancer Health Impacts

The non-cancer health impact of an inhaled TAC is measured by the hazard quotient, which is the ratio of the ambient concentration of a TAC in units of $\mu g/m^3$ divided by the reference exposure level (REL), also in units of $\mu g/m^3$. The REL is the concentration at or below which no adverse health effects are anticipated. The REL is typically based on health effects on a particular target organ system, such as the respiratory system, liver, or central nervous system. Hazard quotients of individual TACs are then summed for each target organ system to obtain a hazard index.

INTENTIONALLY LEFT BLANK

2 GUIDANCE AND THRESHOLDS

2.1 Office of Environmental Health Hazard Assessment's Guidance

OEHHA's most recent guidance is the 2015 Risk Assessment Guidelines Manual (OEHHA 2015), which was adopted in 2015 to replace the 2003 HRA Guidance Manual. The Children's Environmental Health Protection Act of 1999 (Senate Bill 25), which requires explicit consideration of infants and children in assessing risks from air toxics, requires revisions of the methods for both non-cancer and cancer risk assessment and of the exposure assumptions in the 2003 HRA Guidance Manual (OEHHA 2003). In response to Senate Bill 25, OEHHA released three technical support documents addressing RELs (OEHHA 2008), cancer potency (OEHHA 2009), and exposure assessment and stochastic analysis (OEHHA 2012) and adopted the 2015 Risk Assessment Guidelines Manual (OEHHA 2015). The technical support document for RELs and continuing work to re-evaluate TACs to ensure adequate protection for infants and children has led to revisions of RELs for approximately 10 chemicals and chemical families. The basic methodology for evaluating acute and chronic health effects using the RELs otherwise remained the same as in the previous guidance manual. Moreover, RELs are designed to protect the most sensitive individuals in the population, including infants and children, by selecting appropriate toxicological data and including margins of safety. Accordingly, the evaluation methods are assumed to protect children and other sensitive subpopulations (groups of more highly susceptible individuals) from adverse health effects in the event of exposure (OEHHA 2008).

The cancer risk methodology described in the exposure assessment, stochastic analysis technical support document, and the 2015 Risk Assessment Guidelines Manual accounts for the higher sensitivity of infants and children by applying age-specific daily breathing rates (DBRs) and age-sensitivity factors (ASFs). According to the technical support document, "accounting for effects of early-in life exposure requires accounting for both the increased potency of early in life exposure to carcinogens and the greater exposure on a per [kilogram] body weight that occurs early in life due to behavioral and physiological differences between infants and children, and adults" (OEHHA 2012). In the absence of chemical-specific data, OEHHA recommends a default ASF of 10 for the third trimester to age 2 years and an ASF of 3 for ages 2 through 15 years to account for potential increased sensitivity to carcinogens during childhood (OEHHA 2015). The ASF for adults is 1. In addition to the ASFs, children have higher DBRs per unit of body weight than adults. The OEHHA guidance manual considers the age-specific breathing rates in the cancer risk calculations.

In addition, OEHHA and CARB evaluated information from activity patterns databases to estimate the fraction of time at home (FAH) during the day. From the third trimester to age <2 years, 85% of time is spent at home. From age 2 through <16 years, 72% of time is spent at home. From age 16 years and greater, 73% of time is spent at home. However, for facilities with any school within

the 1 in a million or greater isopleth, the OEHHA recommends using an FAH of 100% for children under 16 years old (OEHHA 2015). For residential receptors in proximity to the project, the FAH for children under 16 years old was assumed to be 100%. Cancer risk parameters, such as ASFs, DBRs, exposure period, FAH, and cancer potency factors were based on the values and data recommended by OEHHA as implemented in HARP2. Accordingly, this HRA evaluates and reflects conservative, health-protective methodologies to assess health impacts to adults, as well as infants, children, and other sensitive subpopulations.

2.2 South Coast Air Quality Management District Guidance

The SCAQMD's *Modeling Guidance for American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD)* (SCAQMD 2019a) provides guidance to perform dispersion modeling for use in HRAs within the SCAB. SCAQMD's current thresholds of significance for TAC emissions are presented in Table 1.

Table 1
SCAQMD CEQA TAC Emissions Thresholds

Carcinogens	Non-Carcinogens
	Acute or Chronic
Maximally exposed individual risk equals or exceeds 10 in 1 million	Hazard Index equals or exceeds 1.0 for the maximally exposed individual

Source: SCAQMD 2015.
Notes: CEQA = California Environmental Quality Act; SCAQMD = South Coast Air Quality Management District; TAC = toxic air contaminant

In addition to cancer and non-cancer risk thresholds, if the cancer risk at the maximally exposed individual resident exceeds 1 in a million, the SCAQMD also requires the evaluation of cancer burden (increase in cancer cases in the population), to be compared to the threshold of 0.5 (SCAQMD 2017). However, cancer burden was not evaluated for health risk impacts from construction, since it is based on a 70-year exposure period, whereas the duration of project construction would be only 193 active days (about 0.74 years).

3 RECEPTORS USED FOR EVALUATING MODELED IMPACTS

Some land uses are considered more sensitive to changes in air quality than others, depending on the population groups and the activities involved. People most likely to be affected by air pollution include children, the elderly, athletes, and people with cardiovascular and chronic respiratory diseases. Facilities and structures where these air pollution-sensitive people live or spend considerable amounts of time are known as sensitive receptors. Land uses where air-pollution-sensitive individuals are most likely to spend time include schools and schoolyards, parks and playgrounds, daycare centers, nursing homes, hospitals, and residential communities (sensitive sites or sensitive land uses) (CARB 2005). The SCAQMD identifies sensitive receptors as residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993). At its nearest, project construction would take place within approximately 110 feet of the STEM Center Annex to the east. Project construction would take place within approximately 170 feet of the residences to the south.

INTENTIONALLY LEFT BLANK

4 MODELING METHODOLOGY

4.1 Dispersion Model

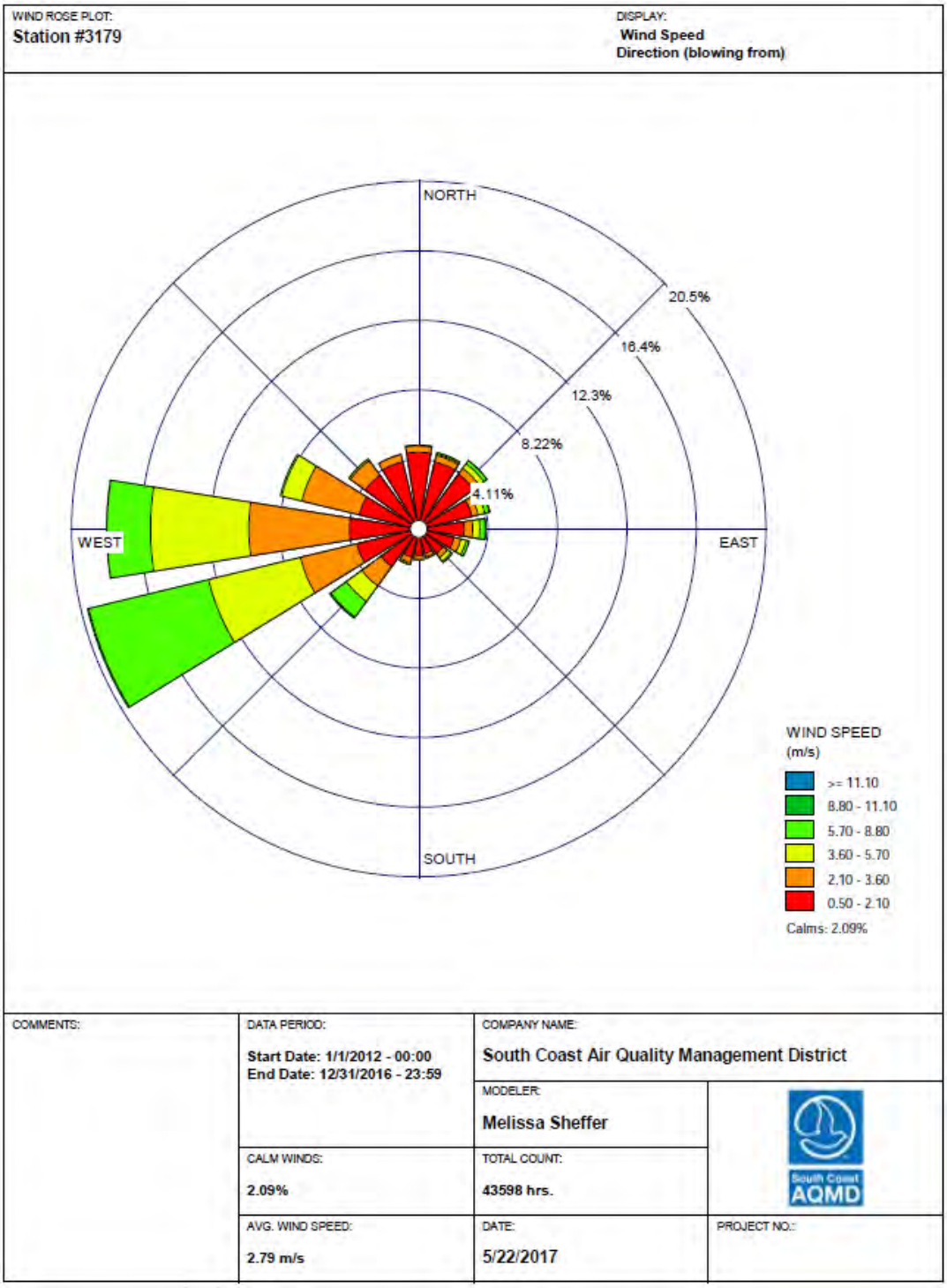
Air dispersion models calculate the atmospheric transport and fate of pollutants from the emission source. The models calculate the concentration of selected pollutants at specific downwind ground-level points, such as residential or school receptors. The transformation (fate) of an airborne pollutant, its movement with the prevailing winds (transport), its crosswind and vertical movement due to atmospheric turbulence (dispersion), and its removal due to dry and wet deposition are influenced by the pollutant's physical and chemical properties and by meteorological and environmental conditions. Factors such as distance from the source to the receptor, meteorological conditions, intervening land use and terrain, pollutant release characteristics, and background pollutant concentrations affect the predicted air concentration of an air pollutant. Air dispersion models have the capability to take all of these factors into consideration when calculating downwind ground-level pollutant concentrations.

A dispersion modeling analysis was conducted of TACs emitted by diesel-fueled construction equipment and trucks to be located at the project. The dispersion modeling was performed using AERMOD Version 18081, which is the model U.S. Environmental Protection Agency (EPA) approved and SCAQMD recommends for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain. Principal parameters of AERMOD for the project operations included the following:

- **Dispersion Model:** The air dispersion model used was AERMOD, Version 18081, with the Lakes Environmental Software implementation/user interface, AERMOD View, Version 9.6.5. A unit emission rate (1 gram per second (g/s)) was normalized over the line of adjacent volume sources for the AERMOD run to obtain the "X/Q" values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength, and is used as a way to simplify the representation of emissions from many sources. The maximum concentrations were determined for the 1-hour and Period averaging periods.
- **Meteorological Data:** The latest 5-year meteorological data for the Chino Airport (KCNO) station (Station ID 3179) from SCAQMD were downloaded (SCAQMD 2019b), and then input to AERMOD. For cancer and chronic non-cancer risk assessments, the average cancer and chronic non-cancer risk of all years modeled was used. Figure 1 presents a wind rose for this station.

- **Urban and Rural Options:** Typically, urban areas have more surface roughness and structures and low-albedo surfaces that absorb more sunlight, and thus, more heat, relative to rural areas. According to SCAQMD guidelines, the urban dispersion option was selected and the Riverside County population for year 2010 (2,189,641 persons) input into AERMOD (SCAQMD 2019a).
- **Terrain Characteristics:** Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate. Per SCAQMD guidance, the National Elevation Dataset (NED) dataset with resolution of 1/3 arc-second was used (SCAQMD 2019a).
- **Sensitive Receptors:** This HRA evaluates the risk to existing residential and school receptors located in proximity to the project. A uniform fine 1-kilometer by 1-kilometer Cartesian grid with 20-meter spacing was centered over the project site and converted into discrete receptors to capture the maximum point of impact.
- **Source Release Construction Scenario:** Air dispersion modeling of DPM emissions was conducted assuming the equipment would operate in accordance with the modeling scenario estimated in the California Emissions Estimator Model (CalEEMod) (Appendix A, Emission Calculations). The construction equipment and truck DPM emissions were modeled as a line of adjacent volume sources across the project site to represent project construction with a release height of 5 meters, plume height of 2.33 meters, and plume width of 11.63 meters. Since equipment would operate in the daytime hours, a variable emissions scenario with appropriate scalars was applied to the source.

Figure 1
Wind Rose of Meteorological Data



Source: SCAQMD 2019b.

INTENTIONALLY LEFT BLANK

4.2 Emission Calculations

Construction Emissions Calculations

Emissions from the construction phase of the project were estimated using CalEEMod Version 2016.3.2. Construction scenario assumptions, including phasing, equipment mix, and vehicle trips, were based on information provided by the Riverside Community College District and CalEEMod default values. All assumptions pertaining to construction emissions, including phasing, equipment, and vehicle trips, are based on Section 3.3, Air Quality, of the Mitigated Negative Declaration. For the HRA, we are concerned with DPM emitted from exhaust from on-site construction equipment and diesel vehicles. Notably, to include only on-site emissions from diesel haul and vendor trucks, they were conservatively assumed to operate for 0.19 miles on site (1,000 feet). Complete detailed construction assumptions are included in Appendix A and are summarized in Table 2 below.

Table 2
Construction DPM Emissions - Unmitigated

Year	DPM (ton/year)
2019	0.028
2020	0.081
Total	0.11

Source: See Appendix A for complete results.
Notes: DPM = diesel particulate matter; lb/yr = pounds per year

As indicated in Table 2, project construction would result in approximately 0.11 tons of DPM over a duration of 193 active days (about 0.74 years), which would equate to a total of 218 pounds of DPM over the construction period. This would correlate to 0.14 pounds per hour of DPM.

4.3 Health Risk Assessment Methodology

In March 2015, the OEHHA approved the 2015 Risk Assessment Guidelines Manual (OEHHA 2015). The HRA was prepared following the 2015 Risk Assessment Guidelines Manual. Cancer and non-cancer health risk calculations were performed for the project using ground-level unity emission concentration (X/Q) input from AERMOD. This modeling established the emissions dispersion field to the existing sensitive receptors from atmospheric influence of the source emissions. Plot files generated in AERMOD were then imported into HARP2, with ground-level concentrations determined by multiplication of emission rates and X/Q values for each source of emissions. HARP2 then assessed resulting cancer and non-cancer risk at the existing receptors from exposure to TAC emissions using the OEHHA Derived calculation method.

INTENTIONALLY LEFT BLANK

5 HEALTH RISK RESULTS

The cancer risk calculations were performed by multiplying the AERMOD-predicted DPM concentrations in $\mu g/m^3$ per unit g/s due to DPM emissions from trucks and construction equipment by the appropriate risk values. The potential exposure pathway for DPM includes inhalation only. The potential exposure through other pathways (e.g., ingestion) requires substance and site-specific data, and the specific parameters for DPM are not known for these pathways (CARB 1998).

Table 3 shows the maximum cancer and chronic health risks at the maximally exposed existing residential and school receptors from project construction. AERMOD and HARP2 outputs are included in Appendix B.

Table 3
Construction HRA Results - Unmitigated

Receptor	Cancer Risk (persons per million)	Chronic Hazard Index
Maximally Exposed Residential Receptor[1]	6.43	0.0095
Maximally Exposed School Receptor[2]	1.13	0.084
SCAQMD Significance Criteria	10	1.0
Exceed Threshold?	**No**	**No**

Source: SCAQMD 2015.
Note: HRA = health risk assessment; SCAQMD = South Coast Air Quality Management District; UTM = Universal Transverse Mercator
See Appendix B for complete results.

1 The maximally exposed residential receptor is located to the south of the project, at UTM coordinates 447656.8 meter Easting (m E)/3752882 meters Northing (m N).
2 The maximally exposed school receptor is located at the STEM center adjacent to the project, at UTM coordinates 447797.7 m E/3752961 m N.

As shown in Table 3, the HRA results from the unmitigated scenario show cancer risks of 6.43 in 1 million and 1.13 in 1 million for the maximally exposed residential and school receptors, respectively, which would not exceed the 10 in 1 million SCAQMD threshold. The non-cancer chronic hazard index of 0.0095 and 0.084 for the maximally exposed residential and school receptors, respectively, which would not exceed the SCAQMD threshold of 1.0. Thus, project construction would result in less-than-significant cancer and chronic health risk impacts at proximate sensitive receptors.

INTENTIONALLY LEFT BLANK

6 CONCLUSIONS

The results determined in this analysis reflect reasonable estimates of source emissions and exhaust characteristics, available meteorological data near the project site, and the use of currently approved air quality models. Given the limits of available tools for such an analysis, the actual impacts may vary from the estimates in this assessment. However, the combined use of the AERMOD dispersion model and the health impact calculations required by OEHHA and SCAQMD tend to over-predict impacts, such that they produce conservative (i.e., health-protective) results. For this reason, the estimated cancer risks and non-cancer hazard indices reported in this analysis are likely upper-bound estimates for potential exposure to project-related emissions. In addition, the estimated cancer risks and non-cancer hazard indices represent the maximum exposed individual resident and school receptor and do not represent the risk over a broad area. The actual risks of cancer or non-cancer effects from the project are likely to be lower than presented herein.

Based on this analysis, the project construction would result in potential cancer and chronic health risk impacts at existing proximate sensitive receptors that would not exceed the applicable SCAQMD thresholds. Thus, the project would result in less-than-significant cancer and chronic health risk impacts.

INTENTIONALLY LEFT BLANK

7 REFERENCES

14 CCR 15000–15387 and Appendices A–L. Guidelines for Implementation of the California Environmental Quality Act, as amended.

CARB (California Air Resources Board). 1998. *Report to the Air Resources Board on the Proposed Identification of Diesel Exhaust as a Toxic Air Contaminant, Part A Exposure Assessment* (as approved by the Scientific Review Panel). April 1998.

CARB. 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April 2005. Accessed April 2019. http://www.arb.ca.gov/ch/landuse.htm.

OEHHA (Office of Environmental Health Hazard Assessment). 2003. *Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2003*. October 2003. Accessed April 2019. https://oehha.ca.gov/media/downloads/crnr/hraguidefinal.pdf.

OEHHA. 2008. *Air Toxics Hot Spots Risk Assessment Guidelines Technical Support Document for the Derivation of Noncancer Reference Exposure Levels*. As approved by the Scientific Review Panel, June 18, 2008. Accessed April 2019. http://www.oehha.ca.gov/air/hot_spots/2008/NoncancerTSD_final.pdf.

OEHHA. 2009. *Technical Support Document for Cancer Potency Factors: Methodologies for Derivation, Listing of Available Values, and Adjustments to Allow for Early Life Stage Exposures*. May 2009. Accessed April 2019. https://oehha.ca.gov/media/downloads/crnr/tsdcancerpotency.pdf.

OEHHA. 2012. *Air Toxics Hot Spots Program Risk Assessment Guidelines – Technical Support Document Exposure Assessment and Stochastic Analysis*. Accessed October 2017. http://www.oehha.ca.gov/air/hot_spots/pdf/2012tsd/TSDportfolio2012.pdf.

OEHHA. 2015. *Air Toxics Hot Spots Program Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments 2015*. February 2015. Accessed April 2019. http://oehha.ca.gov/air/hot_spots/2015/2015GuidanceManual.pdf.

SCAQMD (South Coast Air Quality Management District). 1993. *CEQA Air Quality Handbook*.

SCAQMD. 2015. "SCAQMD Air Quality Significance Thresholds." March 2015. Accessed April 2019. http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf.

SCAQMD. 2017. *Risk Assessment Procedures for Rules 1401, 1401.1, and 212.* Version 8.1. September 1, 2017. Accessed April 2019. http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12.

SCAQMD. 2019a. "SCAQMD Modeling Guidance for AERMOD." Accessed April 2019. http://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/modeling-guidance.

SCAQMD. 2019b. "SCAQMD Meteorological Data for AERMOD." Accessed April 2019. http://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod.

APPENDIX A

Emission Calculations

Norco College Veterans Resource Center - Construction HRA

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	2.50	1000sqft	0.06	2,500.00	0
Parking Lot	12.56	1000sqft	0.29	12,560.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	628.13	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Construction Phase - Per applicant provided information

Off-road Equipment - Based on expected site specific construction activities

Off-road Equipment - Based on typical trenching activities for underground utilities.

Trips and VMT - Grading Haul Trips: Based on import of 2,500 cubic yards of fill. Adjusted trip length to 0.19 miles to account for passby and onsite truck movement

Grading - Applicant provided: 2,500 cubic yards of fill

Architectural Coating - Per applicant provided information

Construction Off-road Equipment Mitigation - Water exposed area 2x per day and limit vehicle speeds on unpaved areas to 15 mph

Area Mitigation - Per applicant provided information, low VOC paint will be used for the project.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Parking	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	11.00
tblConstructionPhase	NumDays	100.00	151.00
tblConstructionPhase	NumDays	2.00	22.00
tblConstructionPhase	NumDays	5.00	21.00
tblConstructionPhase	NumDays	1.00	22.00
tblGrading	AcresOfGrading	11.00	0.00
tblGrading	AcresOfGrading	33.00	11.00
tblGrading	MaterialImported	0.00	2,500.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching

tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	PhaseName		Building Construction
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	1.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	7.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	628.13
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripNumber	313.00	314.00
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	VendorTripLength	6.90	0.19

tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	2.00	16.00
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.19
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	6.00	38.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	1.00	8.00
tblVehicleTrips	ST_TR	11.23	8.27
tblVehicleTrips	SU_TR	1.21	1.00
tblVehicleTrips	WD_TR	27.49	20.25

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0540	0.6274	0.3225	6.5000e-004	0.0723	0.0277	0.1000	0.0371	0.0255	0.0626	0.0000	58.5523	58.5523	0.0176	0.0000	58.9929
2020	0.2023	1.5649	1.3169	2.2400e-003	7.2000e-004	0.0813	0.0820	2.0000e-004	0.0776	0.0778	0.0000	187.8224	187.8224	0.0402	0.0000	188.8281
Maximum	**0.2023**	**1.5649**	**1.3169**	**2.2400e-003**	**0.0723**	**0.0813**	**0.1000**	**0.0371**	**0.0776**	**0.0778**	**0.0000**	**187.8224**	**187.8224**	**0.0402**	**0.0000**	**188.8281**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0540	0.6274	0.3225	6.5000e-004	0.0326	0.0277	0.0603	0.0167	0.0255	0.0422	0.0000	58.5523	58.5523	0.0176	0.0000	58.9928
2020	0.2023	1.5649	1.3169	2.2400e-003	7.2000e-004	0.0813	0.0820	2.0000e-004	0.0776	0.0778	0.0000	187.8222	187.8222	0.0402	0.0000	188.8279
Maximum	**0.2023**	**1.5649**	**1.3169**	**2.2400e-003**	**0.0326**	**0.0813**	**0.0820**	**0.0167**	**0.0776**	**0.0778**	**0.0000**	**187.8222**	**187.8222**	**0.0402**	**0.0000**	**188.8279**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.39**	**0.00**	**21.83**	**54.65**	**0.00**	**14.52**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
3	**9-12-2019**	**12-11-2019**	0.3071	0.3071
4	**12-12-2019**	**3-11-2020**	0.6944	0.6944
5	**3-12-2020**	**6-11-2020**	0.6875	0.6875
6	**6-12-2020**	**9-11-2020**	0.7643	0.7643
		Highest	0.7643	0.7643

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/18/2019	11/29/2019	5	10	
2	Site Preparation	Site Preparation	12/1/2019	12/31/2019	5	22	
3	Grading	Grading	12/1/2019	12/31/2019	5	22	
4	Trenching	Trenching	1/1/2020	1/14/2020	5	10	
5	Building Construction	Building Construction	2/1/2020	8/31/2020	5	151	
6	Paving	Paving	8/1/2020	8/31/2020	5	21	
7	Architectural Coating	Architectural Coating	8/17/2020	8/31/2020	5	11	

Acres of Grading (Site Preparation Phase): 11

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.29

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,750; Non-Residential Outdoor: 1,250; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Concrete/Industrial Saws	0	0.00	81	0.73
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trenching	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	14.00	8.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	8.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	314.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	8.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Building Construction	8	38.00	16.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Paving	6	16.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	0.19	0.19	0.19	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0115	0.1134	0.0745	1.2000e-004		6.4300e-003	6.4300e-003		6.0100e-003	6.0100e-003	0.0000	10.7080	10.7080	2.7300e-003	0.0000	10.7762
Total	**0.0115**	**0.1134**	**0.0745**	**1.2000e-004**		**6.4300e-003**	**6.4300e-003**		**6.0100e-003**	**6.0100e-003**	**0.0000**	**10.7080**	**10.7080**	**2.7300e-003**	**0.0000**	**10.7762**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.8600e-003	5.9000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.3020	0.3020	7.0000e-005	0.0000	0.3038
Worker	9.0000e-005	3.0000e-005	3.9000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229
Total	**1.6000e-004**	**2.8900e-003**	**9.8000e-004**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.3249**	**0.3249**	**7.0000e-005**	**0.0000**	**0.3268**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0115	0.1134	0.0745	1.2000e-004		6.4300e-003	6.4300e-003		6.0100e-003	6.0100e-003	0.0000	10.7080	10.7080	2.7300e-003	0.0000	10.7762

Total	**0.0115**	**0.1134**	**0.0745**	**1.2000e-004**		**6.4300e-003**	**6.4300e-003**		**6.0100e-003**	**6.0100e-003**	**0.0000**	**10.7080**	**10.7080**	**2.7300e-003**	**0.0000**	**10.7762**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.8600e-003	5.9000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.3020	0.3020	7.0000e-005	0.0000	0.3038
Worker	9.0000e-005	3.0000e-005	3.9000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0229	0.0229	0.0000	0.0000	0.0229
Total	**1.6000e-004**	**2.8900e-003**	**9.8000e-004**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**1.0000e-005**	**0.0000**	**0.3249**	**0.3249**	**7.0000e-005**	**0.0000**	**0.3268**

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8300e-003	0.0000	5.8300e-003	6.3000e-004	0.0000	6.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0193	0.2369	0.1311	2.7000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	24.2145	24.2145	7.6600e-003	0.0000	24.4061
Total	**0.0193**	**0.2369**	**0.1311**	**2.7000e-004**	**5.8300e-003**	**9.3900e-003**	**0.0152**	**6.3000e-004**	**8.6400e-003**	**9.2700e-003**	**0.0000**	**24.2145**	**24.2145**	**7.6600e-003**	**0.0000**	**24.4061**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-004	6.2900e-003	1.2900e-003	1.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.6644	0.6644	1.6000e-004	0.0000	0.6684
Worker	1.1000e-004	4.0000e-005	5.0000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0288	0.0288	0.0000	0.0000	0.0288
Total	**2.7000e-004**	**6.3300e-003**	**1.7900e-003**	**1.0000e-005**	**3.0000e-005**	**1.0000e-005**	**3.0000e-005**	**1.0000e-005**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.6932**	**0.6932**	**1.6000e-004**	**0.0000**	**0.6973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6200e-003	0.0000	2.6200e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0193	0.2369	0.1311	2.7000e-004		9.3900e-003	9.3900e-003		8.6400e-003	8.6400e-003	0.0000	24.2145	24.2145	7.6600e-003	0.0000	24.4060
Total	**0.0193**	**0.2369**	**0.1311**	**2.7000e-004**	**2.6200e-003**	**9.3900e-003**	**0.0120**	**2.8000e-004**	**8.6400e-003**	**8.9200e-003**	**0.0000**	**24.2145**	**24.2145**	**7.6600e-003**	**0.0000**	**24.4060**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	1.6000e-004	6.2900e-003	1.2900e-003	1.0000e-005	2.0000e-005	1.0000e-005	2.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.6644	0.6644	1.6000e-004	0.0000	0.6684
Worker	1.1000e-004	4.0000e-005	5.0000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0288	0.0288	0.0000	0.0000	0.0288
Total	**2.7000e-004**	**6.3300e-003**	**1.7900e-003**	**1.0000e-005**	**3.0000e-005**	**1.0000e-005**	**3.0000e-005**	**1.0000e-005**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.6932**	**0.6932**	**1.6000e-004**	**0.0000**	**0.6973**

3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0664	0.0000	0.0664	0.0364	0.0000	0.0364	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.2502	0.1117	2.3000e-004		0.0118	0.0118		0.0109	0.0109	0.0000	20.3697	20.3697	6.4400e-003	0.0000	20.5309
Total	**0.0223**	**0.2502**	**0.1117**	**2.3000e-004**	**0.0664**	**0.0118**	**0.0782**	**0.0364**	**0.0109**	**0.0473**	**0.0000**	**20.3697**	**20.3697**	**6.4400e-003**	**0.0000**	**20.5309**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	0.0177	1.9200e-003	2.0000e-005	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	2.2060	2.2060	5.5000e-004	0.0000	2.2197
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	5.0000e-005	6.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0360	0.0360	0.0000	0.0000	0.0360
Total	**5.1000e-004**	**0.0177**	**2.5400e-003**	**2.0000e-005**	**5.0000e-005**	**1.0000e-005**	**6.0000e-005**	**1.0000e-005**	**1.0000e-005**	**3.0000e-005**	**0.0000**	**2.2420**	**2.2420**	**5.5000e-004**	**0.0000**	**2.2557**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0299	0.0000	0.0299	0.0164	0.0000	0.0164	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.2502	0.1117	2.3000e-004		0.0118	0.0118		0.0109	0.0109	0.0000	20.3697	20.3697	6.4400e-003	0.0000	20.5308
Total	**0.0223**	**0.2502**	**0.1117**	**2.3000e-004**	**0.0299**	**0.0118**	**0.0417**	**0.0164**	**0.0109**	**0.0273**	**0.0000**	**20.3697**	**20.3697**	**6.4400e-003**	**0.0000**	**20.5308**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	0.0177	1.9200e-003	2.0000e-005	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	2.2060	2.2060	5.5000e-004	0.0000	2.2197
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	5.0000e-005	6.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0360	0.0360	0.0000	0.0000	0.0360
Total	**5.1000e-004**	**0.0177**	**2.5400e-003**	**2.0000e-005**	**5.0000e-005**	**1.0000e-005**	**6.0000e-005**	**1.0000e-005**	**1.0000e-005**	**3.0000e-005**	**0.0000**	**2.2420**	**2.2420**	**5.5000e-004**	**0.0000**	**2.2557**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3500e-003	0.0308	0.0256	3.0000e-005		2.1400e-003	2.1400e-003		1.9700e-003	1.9700e-003	0.0000	3.0031	3.0031	9.4000e-004	0.0000	3.0265

Total	**3.3500e-003**	**0.0308**	**0.0256**	**3.0000e-005**		**2.1400e-003**	**2.1400e-003**		**1.9700e-003**	**1.9700e-003**	**0.0000**	**3.0031**	**3.0031**	**9.4000e-004**	**0.0000**	**3.0265**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.7500e-003	5.4000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3004	0.3004	7.0000e-005	0.0000	0.3021
Worker	5.0000e-005	1.0000e-005	2.0000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0127	0.0127	0.0000	0.0000	0.0127
Total	**1.2000e-004**	**2.7600e-003**	**7.4000e-004**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3131**	**0.3131**	**7.0000e-005**	**0.0000**	**0.3148**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.3500e-003	0.0308	0.0256	3.0000e-005		2.1400e-003	2.1400e-003		1.9700e-003	1.9700e-003	0.0000	3.0031	3.0031	9.4000e-004	0.0000	3.0265
Total	**3.3500e-003**	**0.0308**	**0.0256**	**3.0000e-005**		**2.1400e-003**	**2.1400e-003**		**1.9700e-003**	**1.9700e-003**	**0.0000**	**3.0031**	**3.0031**	**9.4000e-004**	**0.0000**	**3.0265**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.0000e-005	2.7500e-003	5.4000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.3004	0.3004	7.0000e-005	0.0000	0.3021
Worker	5.0000e-005	1.0000e-005	2.0000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0127	0.0127	0.0000	0.0000	0.0127
Total	**1.2000e-004**	**2.7600e-003**	**7.4000e-004**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.3131**	**0.3131**	**7.0000e-005**	**0.0000**	**0.3148**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1727	1.3162	1.1247	1.8900e-003		0.0716	0.0716		0.0686	0.0686	0.0000	156.7715	156.7715	0.0318	0.0000	157.5670
Total	**0.1727**	**1.3162**	**1.1247**	**1.8900e-003**		**0.0716**	**0.0716**		**0.0686**	**0.0686**	**0.0000**	**156.7715**	**156.7715**	**0.0318**	**0.0000**	**157.5670**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	1.9700e-003	0.0831	0.0163	9.0000e-005	2.4000e-004	6.0000e-005	3.0000e-004	7.0000e-005	6.0000e-005	1.3000e-004	0.0000	9.0720	9.0720	2.0600e-003	0.0000	9.1235
Worker	3.3300e-003	1.0400e-003	0.0145	1.0000e-005	4.4000e-004	2.0000e-005	4.6000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	0.9102	0.9102	7.0000e-005	0.0000	0.9119
Total	**5.3000e-003**	**0.0841**	**0.0307**	**1.0000e-004**	**6.8000e-004**	**8.0000e-005**	**7.6000e-004**	**1.9000e-004**	**8.0000e-005**	**2.7000e-004**	**0.0000**	**9.9822**	**9.9822**	**2.1300e-003**	**0.0000**	**10.0354**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1727	1.3162	1.1247	1.8900e-003		0.0716	0.0716		0.0686	0.0686	0.0000	156.7713	156.7713	0.0318	0.0000	157.5668
Total	**0.1727**	**1.3162**	**1.1247**	**1.8900e-003**		**0.0716**	**0.0716**		**0.0686**	**0.0686**	**0.0000**	**156.7713**	**156.7713**	**0.0318**	**0.0000**	**157.5668**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9700e-003	0.0831	0.0163	9.0000e-005	2.4000e-004	6.0000e-005	3.0000e-004	7.0000e-005	6.0000e-005	1.3000e-004	0.0000	9.0720	9.0720	2.0600e-003	0.0000	9.1235
Worker	3.3300e-003	1.0400e-003	0.0145	1.0000e-005	4.4000e-004	2.0000e-005	4.6000e-004	1.2000e-004	2.0000e-005	1.4000e-004	0.0000	0.9102	0.9102	7.0000e-005	0.0000	0.9119
Total	**5.3000e-003**	**0.0841**	**0.0307**	**1.0000e-004**	**6.8000e-004**	**8.0000e-005**	**7.6000e-004**	**1.9000e-004**	**8.0000e-005**	**2.7000e-004**	**0.0000**	**9.9822**	**9.9822**	**2.1300e-003**	**0.0000**	**10.0354**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0121	0.1217	0.1240	1.9000e-004		6.8900e-003	6.8900e-003		6.3500e-003	6.3500e-003	0.0000	16.2811	16.2811	5.1600e-003	0.0000	16.4101
Paving	3.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0125**	**0.1217**	**0.1240**	**1.9000e-004**		**6.8900e-003**	**6.8900e-003**		**6.3500e-003**	**6.3500e-003**	**0.0000**	**16.2811**	**16.2811**	**5.1600e-003**	**0.0000**	**16.4101**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	6.0000e-005	8.5000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0533	0.0533	0.0000	0.0000	0.0534
Total	**2.0000e-004**	**6.0000e-005**	**8.5000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0533**	**0.0533**	**0.0000**	**0.0000**	**0.0534**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0121	0.1217	0.1240	1.9000e-004		6.8900e-003	6.8900e-003		6.3500e-003	6.3500e-003	0.0000	16.2810	16.2810	5.1600e-003	0.0000	16.4100

Paving	3.8000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0125**	**0.1217**	**0.1240**	**1.9000e-004**		**6.8900e-003**	**6.8900e-003**		**6.3500e-003**	**6.3500e-003**	**0.0000**	**16.2810**	**16.2810**	**5.1600e-003**	**0.0000**	**16.4100**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	6.0000e-005	8.5000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0533	0.0533	0.0000	0.0000	0.0534
Total	**2.0000e-004**	**6.0000e-005**	**8.5000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0533**	**0.0533**	**0.0000**	**0.0000**	**0.0534**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.6700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3300e-003	9.2600e-003	0.0101	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.4043	1.4043	1.1000e-004	0.0000	1.4070
Total	**8.0000e-003**	**9.2600e-003**	**0.0101**	**2.0000e-005**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**1.4043**	**1.4043**	**1.1000e-004**	**0.0000**	**1.4070**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	2.0000e-005	2.2000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0140	0.0140	0.0000	0.0000	0.0140
Total	**5.0000e-005**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0140**	**0.0140**	**0.0000**	**0.0000**	**0.0140**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.6700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.3300e-003	9.2600e-003	0.0101	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.4043	1.4043	1.1000e-004	0.0000	1.4070
Total	**8.0000e-003**	**9.2600e-003**	**0.0101**	**2.0000e-005**		**6.1000e-004**	**6.1000e-004**		**6.1000e-004**	**6.1000e-004**	**0.0000**	**1.4043**	**1.4043**	**1.1000e-004**	**0.0000**	**1.4070**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	2.0000e-005	2.2000e-004	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0140	0.0140	0.0000	0.0000	0.0140
Total	**5.0000e-005**	**2.0000e-005**	**2.2000e-004**	**0.0000**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0140**	**0.0140**	**0.0000**	**0.0000**	**0.0140**

Norco College Veterans Center
Construction HRA

Project Construction Emissions

	Unmitigated
Year	**DPM tons/year**
2019	0.0277
2020	0.0813
Total	**0.11**
Total Lbs	**218.00**
lbs/hr	**0.14**

Conversions:

1 ton =	2,000	lb			
Construction =	8	hours/day	Project Construction:	193	days
	2096	hours/year		0.74	years
	262	days/year			
	12	months			

AERMOD Assumptions

Source Name	Description	No. of Vol. Sources	Emission Rate g/s	Release Height m	Plume Height m	Plume Width m
SLINE1	Construction	67	1.00	5.00	2.33	11.63

Receptor Grid

Name	Grid Size	Spacing
UCART1	1 km x 1 km	20 m

Meteorological Data

Station Abbreviation	Station Name	Years	Lat	Long	Elev (m)
KCNO	Chino Airport	2012-2016	33.9756	-117.6249	198

Source: SCAQMD Data for AERMOD, https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod

Population

County	2010 Population
Riverside	2,189,641

Source: SCAQMD, http://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/modeling-guidance#Regulatory

Other Model Assumption

Terrain Data	NED 1/3
Lakes Version	9.6.5
AERMOD Version	18081

APPENDIX B

AERMOD Input and HARP2 Output Files

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.5
** Lakes Environmental Software Inc.
** Date: 4/23/2019
** File: C:\Lakes\AERMOD View\Norco_Residential - Variable\Norco_Residential.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Norco_Residential\Norco_Residential.isc
   TITLETWO Norco College Veterans Center - Construction HRA
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2189641
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL Norco_Residential.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Construction
** PREFIX
** Length of Side = 11.63
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 2.33
** SZINIT = 1.08
** Nodes = 9
** 447836.836, 3753021.606, 197.76, 5.00, 5.41
** 447847.881, 3752991.123, 196.39, 5.00, 5.41
** 447672.494, 3752931.040, 192.17, 5.00, 5.41
** 447662.774, 3752958.431, 190.84, 5.00, 5.41
** 447828.443, 3753018.071, 196.47, 5.00, 5.41
** 447835.511, 3752999.075, 195.76, 5.00, 5.41
** 447680.887, 3752943.410, 190.58, 5.00, 5.41
** 447676.028, 3752955.780, 190.26, 5.00, 5.41
** 447823.141, 3753006.585, 195.71, 5.00, 5.41
** ------------------------------------------------------------------------
   LOCATION L0000001     VOLUME   447838.817 3753016.138 197.39
   LOCATION L0000002     VOLUME   447842.779 3753005.204 196.87
   LOCATION L0000003     VOLUME   447846.741 3752994.269 196.53
   LOCATION L0000004     VOLUME   447840.045 3752988.438 195.87
   LOCATION L0000005     VOLUME   447829.043 3752984.669 195.09
   LOCATION L0000006     VOLUME   447818.040 3752980.900 194.41
```

```
   LOCATION L0000007     VOLUME   447807.038 3752977.131 193.81
   LOCATION L0000008     VOLUME   447796.036 3752973.362 193.23
   LOCATION L0000009     VOLUME   447785.033 3752969.593 192.53
   LOCATION L0000010     VOLUME   447774.031 3752965.824 191.83
   LOCATION L0000011     VOLUME   447763.029 3752962.055 191.27
   LOCATION L0000012     VOLUME   447752.026 3752958.286 190.81
   LOCATION L0000013     VOLUME   447741.024 3752954.517 190.37
   LOCATION L0000014     VOLUME   447730.022 3752950.748 189.86
   LOCATION L0000015     VOLUME   447719.020 3752946.979 189.33
   LOCATION L0000016     VOLUME   447708.017 3752943.210 188.94
   LOCATION L0000017     VOLUME   447697.015 3752939.441 189.59
   LOCATION L0000018     VOLUME   447686.013 3752935.671 190.84
   LOCATION L0000019     VOLUME   447675.010 3752931.902 192.04
   LOCATION L0000020     VOLUME   447669.494 3752939.494 191.65
   LOCATION L0000021     VOLUME   447665.605 3752950.454 190.90
   LOCATION L0000022     VOLUME   447665.753 3752959.503 190.12
   LOCATION L0000023     VOLUME   447676.696 3752963.442 189.49
   LOCATION L0000024     VOLUME   447687.638 3752967.382 189.08
   LOCATION L0000025     VOLUME   447698.581 3752971.321 189.30
   LOCATION L0000026     VOLUME   447709.523 3752975.260 190.12
   LOCATION L0000027     VOLUME   447720.466 3752979.200 191.18
   LOCATION L0000028     VOLUME   447731.408 3752983.139 192.15
   LOCATION L0000029     VOLUME   447742.351 3752987.078 193.03
   LOCATION L0000030     VOLUME   447753.293 3752991.018 193.77
   LOCATION L0000031     VOLUME   447764.236 3752994.957 194.23
   LOCATION L0000032     VOLUME   447775.178 3752998.896 194.54
   LOCATION L0000033     VOLUME   447786.121 3753002.835 194.72
   LOCATION L0000034     VOLUME   447797.063 3753006.775 195.03
   LOCATION L0000035     VOLUME   447808.006 3753010.714 195.40
   LOCATION L0000036     VOLUME   447818.948 3753014.653 196.01
   LOCATION L0000037     VOLUME   447828.979 3753016.628 196.81
   LOCATION L0000038     VOLUME   447833.035 3753005.729 196.32
   LOCATION L0000039     VOLUME   447831.248 3752997.540 195.77
   LOCATION L0000040     VOLUME   447820.306 3752993.601 195.06
   LOCATION L0000041     VOLUME   447809.363 3752989.662 194.46
   LOCATION L0000042     VOLUME   447798.421 3752985.722 194.00
   LOCATION L0000043     VOLUME   447787.478 3752981.783 193.57
   LOCATION L0000044     VOLUME   447776.536 3752977.844 192.98
   LOCATION L0000045     VOLUME   447765.593 3752973.904 192.42
   LOCATION L0000046     VOLUME   447754.651 3752969.965 191.83
   LOCATION L0000047     VOLUME   447743.708 3752966.026 191.25
   LOCATION L0000048     VOLUME   447732.766 3752962.086 190.62
   LOCATION L0000049     VOLUME   447721.823 3752958.147 189.87
   LOCATION L0000050     VOLUME   447710.881 3752954.208 189.20
   LOCATION L0000051     VOLUME   447699.938 3752950.268 188.94
   LOCATION L0000052     VOLUME   447688.996 3752946.329 189.71
   LOCATION L0000053     VOLUME   447679.786 3752946.214 190.39
   LOCATION L0000054     VOLUME   447677.306 3752956.221 189.84
   LOCATION L0000055     VOLUME   447688.299 3752960.018 189.08
   LOCATION L0000056     VOLUME   447699.292 3752963.814 189.00
   LOCATION L0000057     VOLUME   447710.285 3752967.610 189.69
   LOCATION L0000058     VOLUME   447721.278 3752971.407 190.57
   LOCATION L0000059     VOLUME   447732.270 3752975.203 191.48
   LOCATION L0000060     VOLUME   447743.263 3752979.000 192.27
   LOCATION L0000061     VOLUME   447754.256 3752982.796 193.02
   LOCATION L0000062     VOLUME   447765.249 3752986.592 193.57
   LOCATION L0000063     VOLUME   447776.242 3752990.389 193.98
   LOCATION L0000064     VOLUME   447787.235 3752994.185 194.28
   LOCATION L0000065     VOLUME   447798.228 3752997.981 194.59
   LOCATION L0000066     VOLUME   447809.221 3753001.778 195.00
   LOCATION L0000067     VOLUME   447820.214 3753005.574 195.57
** End of LINE VOLUME Source ID = SLINE1
** Source Parameters **
```

```
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000002     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000003     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000004     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000005     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000006     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000007     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000008     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000009     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000010     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000011     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000012     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000013     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000014     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000015     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000016     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000017     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000018     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000019     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000020     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000021     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000022     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000023     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000024     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000025     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000026     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000027     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000028     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000029     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000030     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000031     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000032     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000033     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000034     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000035     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000036     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000037     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000038     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000039     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000040     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000041     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000042     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000043     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000044     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000045     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000046     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000047     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000048     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000049     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000050     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000051     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000052     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000053     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000054     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000055     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000056     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000057     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000058     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000059     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000060     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000061     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000062     0.0149253731      5.00      5.41      1.08
```

```
   SRCPARAM L0000063     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000064     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000065     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000066     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000067     0.0149253731      5.00      5.41      1.08
** ------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Season / Hour / Seven Days (SHRDOW7)"
** Variable Emission Scenario: "Scenario 1"
** Season = Winter;  Day of Week = Monday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
    EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Monday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Monday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
    EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Monday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
   EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Tuesday
```

```
EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Tuesday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Tuesday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
   EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Tuesday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Wednesday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Wednesday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Wednesday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Wednesday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Thursday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
   EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Thursday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Thursday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Thursday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
    EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Friday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Friday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
    EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Friday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Friday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Saturday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Saturday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Saturday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Saturday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Sunday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Sunday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Sunday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Sunday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
```

```
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Norco_Residential.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.SFC
   PROFFILE ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.PFL
   SURFDATA 3179 2012
   UAIRDATA 3190 2012
   PROFBASE 198.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST NORCO_RESIDENTIAL.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL NORCO_RESIDENTIAL.AD\PE00GALL.PLT 32
   SUMMFILE Norco_Residential.sum
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.6.5
** Lakes Environmental Software Inc.
** Date: 4/23/2019
** File: C:\Lakes\AERMOD View\Norco_School - Variable\Norco_School.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Lakes\AERMOD View\Norco_School\Norco_School.isc
   TITLETWO Norco College Veterans Center - Construction HRA - School
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2189641
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL Norco_School.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Construction
** PREFIX
** Length of Side = 11.63
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 2.33
** SZINIT = 1.08
** Nodes = 9
** 447836.836, 3753021.606, 197.76, 5.00, 5.41
** 447847.881, 3752991.123, 196.39, 5.00, 5.41
** 447672.494, 3752931.040, 192.17, 5.00, 5.41
** 447662.774, 3752958.431, 190.84, 5.00, 5.41
** 447828.443, 3753018.071, 196.47, 5.00, 5.41
** 447835.511, 3752999.075, 195.76, 5.00, 5.41
** 447680.887, 3752943.410, 190.58, 5.00, 5.41
** 447676.028, 3752955.780, 190.26, 5.00, 5.41
** 447823.141, 3753006.585, 195.71, 5.00, 5.41
** ------------------------------------------------------------------------
   LOCATION L0000001     VOLUME   447838.817 3753016.138 197.39
   LOCATION L0000002     VOLUME   447842.779 3753005.204 196.87
   LOCATION L0000003     VOLUME   447846.741 3752994.269 196.53
   LOCATION L0000004     VOLUME   447840.045 3752988.438 195.87
   LOCATION L0000005     VOLUME   447829.043 3752984.669 195.09
   LOCATION L0000006     VOLUME   447818.040 3752980.900 194.41
```

```
   LOCATION L0000007     VOLUME   447807.038 3752977.131 193.81
   LOCATION L0000008     VOLUME   447796.036 3752973.362 193.23
   LOCATION L0000009     VOLUME   447785.033 3752969.593 192.53
   LOCATION L0000010     VOLUME   447774.031 3752965.824 191.83
   LOCATION L0000011     VOLUME   447763.029 3752962.055 191.27
   LOCATION L0000012     VOLUME   447752.026 3752958.286 190.81
   LOCATION L0000013     VOLUME   447741.024 3752954.517 190.37
   LOCATION L0000014     VOLUME   447730.022 3752950.748 189.86
   LOCATION L0000015     VOLUME   447719.020 3752946.979 189.33
   LOCATION L0000016     VOLUME   447708.017 3752943.210 188.94
   LOCATION L0000017     VOLUME   447697.015 3752939.441 189.59
   LOCATION L0000018     VOLUME   447686.013 3752935.671 190.84
   LOCATION L0000019     VOLUME   447675.010 3752931.902 192.04
   LOCATION L0000020     VOLUME   447669.494 3752939.494 191.65
   LOCATION L0000021     VOLUME   447665.605 3752950.454 190.90
   LOCATION L0000022     VOLUME   447665.753 3752959.503 190.12
   LOCATION L0000023     VOLUME   447676.696 3752963.442 189.49
   LOCATION L0000024     VOLUME   447687.638 3752967.382 189.08
   LOCATION L0000025     VOLUME   447698.581 3752971.321 189.30
   LOCATION L0000026     VOLUME   447709.523 3752975.260 190.12
   LOCATION L0000027     VOLUME   447720.466 3752979.200 191.18
   LOCATION L0000028     VOLUME   447731.408 3752983.139 192.15
   LOCATION L0000029     VOLUME   447742.351 3752987.078 193.03
   LOCATION L0000030     VOLUME   447753.293 3752991.018 193.77
   LOCATION L0000031     VOLUME   447764.236 3752994.957 194.23
   LOCATION L0000032     VOLUME   447775.178 3752998.896 194.54
   LOCATION L0000033     VOLUME   447786.121 3753002.835 194.72
   LOCATION L0000034     VOLUME   447797.063 3753006.775 195.03
   LOCATION L0000035     VOLUME   447808.006 3753010.714 195.40
   LOCATION L0000036     VOLUME   447818.948 3753014.653 196.01
   LOCATION L0000037     VOLUME   447828.979 3753016.628 196.81
   LOCATION L0000038     VOLUME   447833.035 3753005.729 196.32
   LOCATION L0000039     VOLUME   447831.248 3752997.540 195.77
   LOCATION L0000040     VOLUME   447820.306 3752993.601 195.06
   LOCATION L0000041     VOLUME   447809.363 3752989.662 194.46
   LOCATION L0000042     VOLUME   447798.421 3752985.722 194.00
   LOCATION L0000043     VOLUME   447787.478 3752981.783 193.57
   LOCATION L0000044     VOLUME   447776.536 3752977.844 192.98
   LOCATION L0000045     VOLUME   447765.593 3752973.904 192.42
   LOCATION L0000046     VOLUME   447754.651 3752969.965 191.83
   LOCATION L0000047     VOLUME   447743.708 3752966.026 191.25
   LOCATION L0000048     VOLUME   447732.766 3752962.086 190.62
   LOCATION L0000049     VOLUME   447721.823 3752958.147 189.87
   LOCATION L0000050     VOLUME   447710.881 3752954.208 189.20
   LOCATION L0000051     VOLUME   447699.938 3752950.268 188.94
   LOCATION L0000052     VOLUME   447688.996 3752946.329 189.71
   LOCATION L0000053     VOLUME   447679.786 3752946.214 190.39
   LOCATION L0000054     VOLUME   447677.306 3752956.221 189.84
   LOCATION L0000055     VOLUME   447688.299 3752960.018 189.08
   LOCATION L0000056     VOLUME   447699.292 3752963.814 189.00
   LOCATION L0000057     VOLUME   447710.285 3752967.610 189.69
   LOCATION L0000058     VOLUME   447721.278 3752971.407 190.57
   LOCATION L0000059     VOLUME   447732.270 3752975.203 191.48
   LOCATION L0000060     VOLUME   447743.263 3752979.000 192.27
   LOCATION L0000061     VOLUME   447754.256 3752982.796 193.02
   LOCATION L0000062     VOLUME   447765.249 3752986.592 193.57
   LOCATION L0000063     VOLUME   447776.242 3752990.389 193.98
   LOCATION L0000064     VOLUME   447787.235 3752994.185 194.28
   LOCATION L0000065     VOLUME   447798.228 3752997.981 194.59
   LOCATION L0000066     VOLUME   447809.221 3753001.778 195.00
   LOCATION L0000067     VOLUME   447820.214 3753005.574 195.57
** End of LINE VOLUME Source ID = SLINE1
** Source Parameters **
```

```
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000001     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000002     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000003     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000004     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000005     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000006     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000007     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000008     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000009     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000010     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000011     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000012     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000013     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000014     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000015     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000016     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000017     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000018     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000019     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000020     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000021     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000022     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000023     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000024     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000025     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000026     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000027     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000028     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000029     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000030     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000031     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000032     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000033     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000034     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000035     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000036     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000037     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000038     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000039     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000040     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000041     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000042     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000043     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000044     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000045     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000046     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000047     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000048     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000049     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000050     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000051     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000052     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000053     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000054     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000055     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000056     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000057     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000058     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000059     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000060     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000061     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000062     0.0149253731      5.00      5.41      1.08
```

```
   SRCPARAM L0000063     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000064     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000065     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000066     0.0149253731      5.00      5.41      1.08
   SRCPARAM L0000067     0.0149253731      5.00      5.41      1.08
** ------------------------------------------------------------------------
   URBANSRC ALL

** Variable Emissions Type: "By Season / Hour / Seven Days (SHRDOW7)"
** Variable Emission Scenario: "Scenario 1"
** Season = Winter;  Day of Week = Monday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
    EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Monday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Monday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
    EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Monday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
   EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Tuesday
```

```
EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Tuesday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Tuesday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
   EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Tuesday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Wednesday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Wednesday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Wednesday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Wednesday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Thursday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
   EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Thursday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Thursday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Thursday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
    EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Friday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Friday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
```

```
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Friday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
```

```
   EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Friday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000001     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000002     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000003     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000004     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000005     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000006     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000007     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000008     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000009     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000010     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000011     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000012     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000013     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000014     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000015     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000016     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000017     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000018     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
   EMISFACT L0000019     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
   EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000020     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000021     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000022     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000023     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000024     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000025     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000026     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000027     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000028     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000029     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000030     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000031     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000032     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000033     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000034     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000035     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000036     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000037     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000038     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000039     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000040     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000041     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000042     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000043     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000044     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000045     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000046     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000047     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000048     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000049     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000050     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000051     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000052     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000053     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000054     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000055     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000056     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000057     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000058     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000059     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000060     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
EMISFACT L0000061     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000062     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000063     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000064     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000065     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000066     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 4.2
    EMISFACT L0000067     SHRDOW7 4.2 4.2 4.2 4.2 4.2 4.2 4.2 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Saturday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Saturday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Saturday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Saturday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Winter;  Day of Week = Sunday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Spring;  Day of Week = Sunday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Summer;  Day of Week = Sunday
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
    EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
** Season = Fall;  Day of Week = Sunday
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000001     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000002     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000003     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000004     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000005     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
    EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000021     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000022     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000023     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000024     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000025     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000026     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000027     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000028     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000029     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000030     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000031     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000032     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000033     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000034     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000035     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000036     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000037     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000038     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000039     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000040     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000041     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000042     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000043     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000044     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000045     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000046     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000047     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000048     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000049     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000050     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000051     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000052     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000053     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000054     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000055     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000056     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000057     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000058     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000059     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000060     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000061     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000062     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000063     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000064     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000065     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000066     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000067     SHRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
```

```
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Norco_School.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.SFC
   PROFFILE ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.PFL
   SURFDATA 3179 2012
   UAIRDATA 3190 2012
   PROFBASE 198.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST NORCO_SCHOOL.AD\01H1GALL.PLT 31
   PLOTFILE PERIOD ALL NORCO_SCHOOL.AD\PE00GALL.PLT 32
   SUMMFILE Norco_School.sum
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    World Geodetic System 1984
** DTMRGN   Global Definition
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

HARP Project Summary Report 4/23/2019 9:38:14 AM

PROJECT INFORMATION
HARP Version: 19044
Project Name: NORCO_RES
Project Output Directory: C:\Users\mmorales\Dropbox\11283 - Norco College\HRA\HARP2\NORCO_RES
HARP Database: NA

FACILITY INFORMATION
Origin
X (m):0
Y (m):0
Zone:1
No. of Sources:0
No. of Buildings:0

EMISSION INVENTORY
No. of Pollutants:1
No. of Background Pollutants:0

Emissions

ScrID	StkID	ProID	PolID	PolAbbrev	Multi	Annual Ems	MaxHr Ems	MWAF
						(lbs/yr)	(lbs/hr)	
SLINE1	0	0	9901	DieselExhPM	1	218	0.14	1

Background

PolID	PolAbbrev	Conc (ug/m^3)	MWAF

Ground level concentration files (\glc\)

9901MAXHR.txt
9901PER.txt

POLLUTANT HEALTH INFORMATION
Health Database: C:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH18232
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1			5		

AIR DISPERSION MODELING INFORMATION
Versions used in HARP. All executables were obtained from USEPA's Support Center for Regulatory Atmospheric Modeling website (http://www.epa.gov/scram001/)
AERMOD: 18081
AERMAP: 18081
BPIPPRM: 04274
AERPLOT: 13329

METEOROLOGICAL INFORMATION
Version:
Surface File:
Profile File:
Surface Station:
Upper Station:
On-Site Station:

LIST OF AIR DISPERSION FILES
AERMOD Input File:
AERMOD Output File:
AERMOD Error File:
Plotfile list

01H1GALL.PLT
PE00GALL.PLT

LIST OF RISK ASSESSMENT FILES

Health risk analysis files (\hra\)

Residential_CancerRisk.csv
Residential_CancerRiskSumByRec.csv
Residential_GLCList.csv
Residential_HRAInput.hra
Residential_NCAcuteRisk.csv
Residential_NCAcuteRiskSumByRec.csv
Residential_NCChronicRisk.csv
Residential_NCChronicRiskSumByRec.csv
Residential_Output.txt
Residential_PathwayRec.csv
Residential_PolDB.csv
Residential_Variable_CancerRisk.csv
Residential_Variable_CancerRiskSumByRec.csv
Residential_Variable_GLCList.csv
Residential_Variable_HRAInput.hra
Residential_Variable_NCAcuteRisk.csv
Residential_Variable_NCAcuteRiskSumByRec.csv
Residential_Variable_NCChronicRisk.csv
Residential_Variable_NCChronicRiskSumByRec.csv
Residential_Variable_Output.txt
Residential_Variable_PathwayRec.csv
Residential_Variable_PolDB.csv

Spatial averaging files (\sa\)

Norco Veterans Center - Construction Health Risk Assessment - Residential Cancer Risk, Unmitigated

*HARP - HRACalc v19044 4/23/2019 9:37:40 AM - Cancer Risk, Sorted Max to Min

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_I	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISI	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_I	EGG_RISK
841	ALL		447656.8	3752882	6.43E-06	0.74YrCancerDerived_Inh_FAH16to70	6.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
840	ALL		447636.8	3752882	4.92E-06	0.74YrCancerDerived_Inh_FAH16to70	4.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
811	ALL		447656.8	3752862	4.46E-06	0.74YrCancerDerived_Inh_FAH16to70	4.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
839	ALL		447616.8	3752882	4.45E-06	0.74YrCancerDerived_Inh_FAH16to70	4.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
781	ALL		447676.8	3752842	3.84E-06	0.74YrCancerDerived_Inh_FAH16to70	3.84E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
810	ALL		447636.8	3752862	3.82E-06	0.74YrCancerDerived_Inh_FAH16to70	3.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
838	ALL		447596.8	3752882	3.75E-06	0.74YrCancerDerived_Inh_FAH16to70	3.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
809	ALL		447616.8	3752862	3.52E-06	0.74YrCancerDerived_Inh_FAH16to70	3.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
780	ALL		447656.8	3752842	3.43E-06	0.74YrCancerDerived_Inh_FAH16to70	3.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
779	ALL		447636.8	3752842	3.14E-06	0.74YrCancerDerived_Inh_FAH16to70	3.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
808	ALL		447596.8	3752862	3.06E-06	0.74YrCancerDerived_Inh_FAH16to70	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
750	ALL		447676.8	3752822	3.06E-06	0.74YrCancerDerived_Inh_FAH16to70	3.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
837	ALL		447576.8	3752882	3.05E-06	0.74YrCancerDerived_Inh_FAH16to70	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
778	ALL		447616.8	3752842	2.86E-06	0.74YrCancerDerived_Inh_FAH16to70	2.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
749	ALL		447656.8	3752822	2.80E-06	0.74YrCancerDerived_Inh_FAH16to70	2.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
719	ALL		447696.8	3752802	2.62E-06	0.74YrCancerDerived_Inh_FAH16to70	2.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
807	ALL		447576.8	3752862	2.59E-06	0.74YrCancerDerived_Inh_FAH16to70	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
748	ALL		447636.8	3752822	2.57E-06	0.74YrCancerDerived_Inh_FAH16to70	2.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
777	ALL		447596.8	3752842	2.52E-06	0.74YrCancerDerived_Inh_FAH16to70	2.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
983	ALL		448016.8	3753122	2.50E-06	0.74YrCancerDerived_Inh_FAH16to70	2.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
718	ALL		447676.8	3752802	2.46E-06	0.74YrCancerDerived_Inh_FAH16to70	2.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
836	ALL		447556.8	3752882	2.45E-06	0.74YrCancerDerived_Inh_FAH16to70	2.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
747	ALL		447616.8	3752822	2.35E-06	0.74YrCancerDerived_Inh_FAH16to70	2.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
984	ALL		448036.8	3753122	2.33E-06	0.74YrCancerDerived_Inh_FAH16to70	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
717	ALL		447656.8	3752802	2.30E-06	0.74YrCancerDerived_Inh_FAH16to70	2.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
684	ALL		447736.8	3752782	2.23E-06	0.74YrCancerDerived_Inh_FAH16to70	2.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
685	ALL		447756.8	3752782	2.21E-06	0.74YrCancerDerived_Inh_FAH16to70	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
683	ALL		447716.8	3752782	2.21E-06	0.74YrCancerDerived_Inh_FAH16to70	2.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
776	ALL		447576.8	3752842	2.19E-06	0.74YrCancerDerived_Inh_FAH16to70	2.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
686	ALL		447776.8	3752782	2.17E-06	0.74YrCancerDerived_Inh_FAH16to70	2.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
806	ALL		447556.8	3752862	2.16E-06	0.74YrCancerDerived_Inh_FAH16to70	2.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
682	ALL		447696.8	3752782	2.15E-06	0.74YrCancerDerived_Inh_FAH16to70	2.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
985	ALL		448056.8	3753122	2.14E-06	0.74YrCancerDerived_Inh_FAH16to70	2.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
716	ALL		447636.8	3752802	2.13E-06	0.74YrCancerDerived_Inh_FAH16to70	2.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
687	ALL		447796.8	3752782	2.11E-06	0.74YrCancerDerived_Inh_FAH16to70	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
746	ALL		447596.8	3752822	2.10E-06	0.74YrCancerDerived_Inh_FAH16to70	2.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1000	ALL		448016.8	3753142	2.06E-06	0.74YrCancerDerived_Inh_FAH16to70	2.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
926	ALL		448116.8	3753022	2.05E-06	0.74YrCancerDerived_Inh_FAH16to70	2.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
938	ALL		448116.8	3753042	2.04E-06	0.74YrCancerDerived_Inh_FAH16to70	2.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
681	ALL		447676.8	3752782	2.03E-06	0.74YrCancerDerived_Inh_FAH16to70	2.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
914	ALL		448116.8	3753002	2.02E-06	0.74YrCancerDerived_Inh_FAH16to70	2.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
835	ALL		447536.8	3752882	2.00E-06	0.74YrCancerDerived_Inh_FAH16to70	2.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1001	ALL		448036.8	3753142	1.98E-06	0.74YrCancerDerived_Inh_FAH16to70	1.98E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
986	ALL		448076.8	3753122	1.96E-06	0.74YrCancerDerived_Inh_FAH16to70	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
902	ALL		448116.8	3752982	1.96E-06	0.74YrCancerDerived_Inh_FAH16to70	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
715	ALL		447616.8	3752802	1.95E-06	0.74YrCancerDerived_Inh_FAH16to70	1.95E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
680	ALL		447656.8	3752782	1.90E-06	0.74YrCancerDerived_Inh_FAH16to70	1.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
775	ALL		447556.8	3752842	1.89E-06	0.74YrCancerDerived_Inh_FAH16to70	1.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1002	ALL		448056.8	3753142	1.87E-06	0.74YrCancerDerived_Inh_FAH16to70	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
745	ALL		447576.8	3752822	1.87E-06	0.74YrCancerDerived_Inh_FAH16to70	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
890	ALL		448116.8	3752962	1.86E-06	0.74YrCancerDerived_Inh_FAH16to70	1.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
927	ALL		448136.8	3753022	1.82E-06	0.74YrCancerDerived_Inh_FAH16to70	1.82E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

939	ALL	448136.8	3753042	1.81E-06	0.74YrCancerDerived_Inh_FAH16to70	1.81E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
633	ALL	447736.8	3752762	1.80E-06	0.74YrCancerDerived_Inh_FAH16to70	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
805	ALL	447536.8	3752862	1.80E-06	0.74YrCancerDerived_Inh_FAH16to70	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
987	ALL	448096.8	3753122	1.80E-06	0.74YrCancerDerived_Inh_FAH16to70	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
634	ALL	447756.8	3752762	1.80E-06	0.74YrCancerDerived_Inh_FAH16to70	1.80E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
915	ALL	448136.8	3753002	1.79E-06	0.74YrCancerDerived_Inh_FAH16to70	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
632	ALL	447716.8	3752762	1.79E-06	0.74YrCancerDerived_Inh_FAH16to70	1.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
679	ALL	447636.8	3752782	1.78E-06	0.74YrCancerDerived_Inh_FAH16to70	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
950	ALL	448136.8	3753062	1.77E-06	0.74YrCancerDerived_Inh_FAH16to70	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
635	ALL	447776.8	3752762	1.77E-06	0.74YrCancerDerived_Inh_FAH16to70	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
714	ALL	447596.8	3752802	1.77E-06	0.74YrCancerDerived_Inh_FAH16to70	1.77E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
631	ALL	447696.8	3752762	1.75E-06	0.74YrCancerDerived_Inh_FAH16to70	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1003	ALL	448076.8	3753142	1.75E-06	0.74YrCancerDerived_Inh_FAH16to70	1.75E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
903	ALL	448136.8	3752982	1.74E-06	0.74YrCancerDerived_Inh_FAH16to70	1.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
878	ALL	448116.8	3752942	1.73E-06	0.74YrCancerDerived_Inh_FAH16to70	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
636	ALL	447796.8	3752762	1.73E-06	0.74YrCancerDerived_Inh_FAH16to70	1.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
961	ALL	448136.8	3753082	1.71E-06	0.74YrCancerDerived_Inh_FAH16to70	1.71E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
630	ALL	447676.8	3752762	1.70E-06	0.74YrCancerDerived_Inh_FAH16to70	1.70E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
637	ALL	447816.8	3752762	1.68E-06	0.74YrCancerDerived_Inh_FAH16to70	1.68E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1017	ALL	448016.8	3753162	1.67E-06	0.74YrCancerDerived_Inh_FAH16to70	1.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
834	ALL	447516.8	3752882	1.66E-06	0.74YrCancerDerived_Inh_FAH16to70	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
891	ALL	448136.8	3752962	1.65E-06	0.74YrCancerDerived_Inh_FAH16to70	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
744	ALL	447556.8	3752822	1.65E-06	0.74YrCancerDerived_Inh_FAH16to70	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
988	ALL	448116.8	3753122	1.65E-06	0.74YrCancerDerived_Inh_FAH16to70	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
678	ALL	447616.8	3752782	1.64E-06	0.74YrCancerDerived_Inh_FAH16to70	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1018	ALL	448036.8	3753162	1.64E-06	0.74YrCancerDerived_Inh_FAH16to70	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
928	ALL	448156.8	3753022	1.62E-06	0.74YrCancerDerived_Inh_FAH16to70	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
940	ALL	448156.8	3753042	1.62E-06	0.74YrCancerDerived_Inh_FAH16to70	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1004	ALL	448096.8	3753142	1.62E-06	0.74YrCancerDerived_Inh_FAH16to70	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
972	ALL	448136.8	3753102	1.62E-06	0.74YrCancerDerived_Inh_FAH16to70	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
638	ALL	447836.8	3752762	1.61E-06	0.74YrCancerDerived_Inh_FAH16to70	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
629	ALL	447656.8	3752762	1.61E-06	0.74YrCancerDerived_Inh_FAH16to70	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
713	ALL	447576.8	3752802	1.61E-06	0.74YrCancerDerived_Inh_FAH16to70	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
774	ALL	447536.8	3752842	1.61E-06	0.74YrCancerDerived_Inh_FAH16to70	1.61E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1019	ALL	448056.8	3753162	1.60E-06	0.74YrCancerDerived_Inh_FAH16to70	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
916	ALL	448156.8	3753002	1.60E-06	0.74YrCancerDerived_Inh_FAH16to70	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
951	ALL	448156.8	3753062	1.59E-06	0.74YrCancerDerived_Inh_FAH16to70	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
866	ALL	448116.8	3752922	1.59E-06	0.74YrCancerDerived_Inh_FAH16to70	1.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
904	ALL	448156.8	3752982	1.55E-06	0.74YrCancerDerived_Inh_FAH16to70	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
879	ALL	448136.8	3752942	1.55E-06	0.74YrCancerDerived_Inh_FAH16to70	1.55E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
639	ALL	447856.8	3752762	1.54E-06	0.74YrCancerDerived_Inh_FAH16to70	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
962	ALL	448156.8	3753082	1.54E-06	0.74YrCancerDerived_Inh_FAH16to70	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1020	ALL	448076.8	3753162	1.53E-06	0.74YrCancerDerived_Inh_FAH16to70	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
804	ALL	447516.8	3752862	1.52E-06	0.74YrCancerDerived_Inh_FAH16to70	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
677	ALL	447596.8	3752782	1.51E-06	0.74YrCancerDerived_Inh_FAH16to70	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
628	ALL	447636.8	3752762	1.51E-06	0.74YrCancerDerived_Inh_FAH16to70	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
989	ALL	448136.8	3753122	1.51E-06	0.74YrCancerDerived_Inh_FAH16to70	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1005	ALL	448116.8	3753142	1.50E-06	0.74YrCancerDerived_Inh_FAH16to70	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
582	ALL	447736.8	3752742	1.49E-06	0.74YrCancerDerived_Inh_FAH16to70	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
583	ALL	447756.8	3752742	1.49E-06	0.74YrCancerDerived_Inh_FAH16to70	1.49E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
892	ALL	448156.8	3752962	1.48E-06	0.74YrCancerDerived_Inh_FAH16to70	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
581	ALL	447716.8	3752742	1.48E-06	0.74YrCancerDerived_Inh_FAH16to70	1.48E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
584	ALL	447776.8	3752742	1.47E-06	0.74YrCancerDerived_Inh_FAH16to70	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
973	ALL	448156.8	3753102	1.47E-06	0.74YrCancerDerived_Inh_FAH16to70	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
640	ALL	447876.8	3752762	1.46E-06	0.74YrCancerDerived_Inh_FAH16to70	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

941	ALL	448176.8	3753042	1.46E-06	0.74YrCancerDerived_Inh_FAH16to70	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
929	ALL	448176.8	3753022	1.46E-06	0.74YrCancerDerived_Inh_FAH16to70	1.46E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
580	ALL	447696.8	3752742	1.45E-06	0.74YrCancerDerived_Inh_FAH16to70	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
854	ALL	448116.8	3752902	1.45E-06	0.74YrCancerDerived_Inh_FAH16to70	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1021	ALL	448096.8	3753162	1.44E-06	0.74YrCancerDerived_Inh_FAH16to70	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
585	ALL	447796.8	3752742	1.44E-06	0.74YrCancerDerived_Inh_FAH16to70	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
712	ALL	447556.8	3752802	1.44E-06	0.74YrCancerDerived_Inh_FAH16to70	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
952	ALL	448176.8	3753062	1.44E-06	0.74YrCancerDerived_Inh_FAH16to70	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
917	ALL	448176.8	3753002	1.44E-06	0.74YrCancerDerived_Inh_FAH16to70	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
867	ALL	448136.8	3752922	1.43E-06	0.74YrCancerDerived_Inh_FAH16to70	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
743	ALL	447536.8	3752822	1.43E-06	0.74YrCancerDerived_Inh_FAH16to70	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
579	ALL	447676.8	3752742	1.41E-06	0.74YrCancerDerived_Inh_FAH16to70	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
627	ALL	447616.8	3752762	1.40E-06	0.74YrCancerDerived_Inh_FAH16to70	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
586	ALL	447816.8	3752742	1.40E-06	0.74YrCancerDerived_Inh_FAH16to70	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
833	ALL	447496.8	3752882	1.40E-06	0.74YrCancerDerived_Inh_FAH16to70	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
963	ALL	448176.8	3753082	1.40E-06	0.74YrCancerDerived_Inh_FAH16to70	1.40E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
905	ALL	448176.8	3752982	1.39E-06	0.74YrCancerDerived_Inh_FAH16to70	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
880	ALL	448156.8	3752942	1.39E-06	0.74YrCancerDerived_Inh_FAH16to70	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
676	ALL	447576.8	3752782	1.39E-06	0.74YrCancerDerived_Inh_FAH16to70	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1006	ALL	448136.8	3753142	1.39E-06	0.74YrCancerDerived_Inh_FAH16to70	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
990	ALL	448156.8	3753122	1.38E-06	0.74YrCancerDerived_Inh_FAH16to70	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
641	ALL	447896.8	3752762	1.38E-06	0.74YrCancerDerived_Inh_FAH16to70	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
773	ALL	447516.8	3752842	1.38E-06	0.74YrCancerDerived_Inh_FAH16to70	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
587	ALL	447836.8	3752742	1.36E-06	0.74YrCancerDerived_Inh_FAH16to70	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
578	ALL	447656.8	3752742	1.36E-06	0.74YrCancerDerived_Inh_FAH16to70	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1022	ALL	448116.8	3753162	1.35E-06	0.74YrCancerDerived_Inh_FAH16to70	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1034	ALL	448016.8	3753182	1.35E-06	0.74YrCancerDerived_Inh_FAH16to70	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1035	ALL	448036.8	3753182	1.35E-06	0.74YrCancerDerived_Inh_FAH16to70	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
974	ALL	448176.8	3753102	1.34E-06	0.74YrCancerDerived_Inh_FAH16to70	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1036	ALL	448056.8	3753182	1.34E-06	0.74YrCancerDerived_Inh_FAH16to70	1.34E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
893	ALL	448176.8	3752962	1.33E-06	0.74YrCancerDerived_Inh_FAH16to70	1.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
942	ALL	448196.8	3753042	1.32E-06	0.74YrCancerDerived_Inh_FAH16to70	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
930	ALL	448196.8	3753022	1.32E-06	0.74YrCancerDerived_Inh_FAH16to70	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1037	ALL	448076.8	3753182	1.32E-06	0.74YrCancerDerived_Inh_FAH16to70	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
855	ALL	448136.8	3752902	1.31E-06	0.74YrCancerDerived_Inh_FAH16to70	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
842	ALL	448116.8	3752882	1.31E-06	0.74YrCancerDerived_Inh_FAH16to70	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
953	ALL	448196.8	3753062	1.31E-06	0.74YrCancerDerived_Inh_FAH16to70	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
588	ALL	447856.8	3752742	1.31E-06	0.74YrCancerDerived_Inh_FAH16to70	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
626	ALL	447596.8	3752762	1.30E-06	0.74YrCancerDerived_Inh_FAH16to70	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
918	ALL	448196.8	3753002	1.30E-06	0.74YrCancerDerived_Inh_FAH16to70	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
642	ALL	447916.8	3752762	1.30E-06	0.74YrCancerDerived_Inh_FAH16to70	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
803	ALL	447496.8	3752862	1.30E-06	0.74YrCancerDerived_Inh_FAH16to70	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
868	ALL	448156.8	3752922	1.30E-06	0.74YrCancerDerived_Inh_FAH16to70	1.30E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
577	ALL	447636.8	3752742	1.29E-06	0.74YrCancerDerived_Inh_FAH16to70	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1007	ALL	448156.8	3753142	1.29E-06	0.74YrCancerDerived_Inh_FAH16to70	1.29E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
812	ALL	448096.8	3752862	1.28E-06	0.74YrCancerDerived_Inh_FAH16to70	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
964	ALL	448196.8	3753082	1.27E-06	0.74YrCancerDerived_Inh_FAH16to70	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
711	ALL	447536.8	3752802	1.27E-06	0.74YrCancerDerived_Inh_FAH16to70	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
991	ALL	448176.8	3753122	1.27E-06	0.74YrCancerDerived_Inh_FAH16to70	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1023	ALL	448136.8	3753162	1.27E-06	0.74YrCancerDerived_Inh_FAH16to70	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1038	ALL	448096.8	3753182	1.27E-06	0.74YrCancerDerived_Inh_FAH16to70	1.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
675	ALL	447556.8	3752782	1.26E-06	0.74YrCancerDerived_Inh_FAH16to70	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
881	ALL	448176.8	3752942	1.26E-06	0.74YrCancerDerived_Inh_FAH16to70	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
906	ALL	448196.8	3752982	1.26E-06	0.74YrCancerDerived_Inh_FAH16to70	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
531	ALL	447736.8	3752722	1.25E-06	0.74YrCancerDerived_Inh_FAH16to70	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

532	ALL	447756.8	3752722	1.25E-06	0.74YrCancerDerived_Inh_FAH16to70	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
589	ALL	447876.8	3752742	1.25E-06	0.74YrCancerDerived_Inh_FAH16to70	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
742	ALL	447516.8	3752822	1.25E-06	0.74YrCancerDerived_Inh_FAH16to70	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
530	ALL	447716.8	3752722	1.24E-06	0.74YrCancerDerived_Inh_FAH16to70	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
533	ALL	447776.8	3752722	1.24E-06	0.74YrCancerDerived_Inh_FAH16to70	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
975	ALL	448196.8	3753102	1.23E-06	0.74YrCancerDerived_Inh_FAH16to70	1.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
529	ALL	447696.8	3752722	1.22E-06	0.74YrCancerDerived_Inh_FAH16to70	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
534	ALL	447796.8	3752722	1.22E-06	0.74YrCancerDerived_Inh_FAH16to70	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
643	ALL	447936.8	3752762	1.22E-06	0.74YrCancerDerived_Inh_FAH16to70	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
576	ALL	447616.8	3752742	1.22E-06	0.74YrCancerDerived_Inh_FAH16to70	1.22E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1039	ALL	448116.8	3753182	1.21E-06	0.74YrCancerDerived_Inh_FAH16to70	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
894	ALL	448196.8	3752962	1.21E-06	0.74YrCancerDerived_Inh_FAH16to70	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
625	ALL	447576.8	3752762	1.21E-06	0.74YrCancerDerived_Inh_FAH16to70	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
943	ALL	448216.8	3753042	1.20E-06	0.74YrCancerDerived_Inh_FAH16to70	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
832	ALL	447476.8	3752882	1.20E-06	0.74YrCancerDerived_Inh_FAH16to70	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
931	ALL	448216.8	3753022	1.20E-06	0.74YrCancerDerived_Inh_FAH16to70	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
856	ALL	448156.8	3752902	1.20E-06	0.74YrCancerDerived_Inh_FAH16to70	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
843	ALL	448136.8	3752882	1.19E-06	0.74YrCancerDerived_Inh_FAH16to70	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
528	ALL	447676.8	3752722	1.19E-06	0.74YrCancerDerived_Inh_FAH16to70	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
772	ALL	447496.8	3752842	1.19E-06	0.74YrCancerDerived_Inh_FAH16to70	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
535	ALL	447816.8	3752722	1.19E-06	0.74YrCancerDerived_Inh_FAH16to70	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1008	ALL	448176.8	3753142	1.19E-06	0.74YrCancerDerived_Inh_FAH16to70	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
954	ALL	448216.8	3753062	1.19E-06	0.74YrCancerDerived_Inh_FAH16to70	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1024	ALL	448156.8	3753162	1.18E-06	0.74YrCancerDerived_Inh_FAH16to70	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
590	ALL	447896.8	3752742	1.18E-06	0.74YrCancerDerived_Inh_FAH16to70	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
869	ALL	448176.8	3752922	1.18E-06	0.74YrCancerDerived_Inh_FAH16to70	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
919	ALL	448216.8	3753002	1.18E-06	0.74YrCancerDerived_Inh_FAH16to70	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
813	ALL	448116.8	3752862	1.18E-06	0.74YrCancerDerived_Inh_FAH16to70	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
992	ALL	448196.8	3753122	1.17E-06	0.74YrCancerDerived_Inh_FAH16to70	1.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
965	ALL	448216.8	3753082	1.16E-06	0.74YrCancerDerived_Inh_FAH16to70	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
536	ALL	447836.8	3752722	1.16E-06	0.74YrCancerDerived_Inh_FAH16to70	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
527	ALL	447656.8	3752722	1.15E-06	0.74YrCancerDerived_Inh_FAH16to70	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1040	ALL	448136.8	3753182	1.15E-06	0.74YrCancerDerived_Inh_FAH16to70	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
882	ALL	448196.8	3752942	1.15E-06	0.74YrCancerDerived_Inh_FAH16to70	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
907	ALL	448216.8	3752982	1.14E-06	0.74YrCancerDerived_Inh_FAH16to70	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
782	ALL	448096.8	3752842	1.14E-06	0.74YrCancerDerived_Inh_FAH16to70	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
644	ALL	447956.8	3752762	1.14E-06	0.74YrCancerDerived_Inh_FAH16to70	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
575	ALL	447596.8	3752742	1.14E-06	0.74YrCancerDerived_Inh_FAH16to70	1.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1054	ALL	448076.8	3753202	1.13E-06	0.74YrCancerDerived_Inh_FAH16to70	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
674	ALL	447536.8	3752782	1.13E-06	0.74YrCancerDerived_Inh_FAH16to70	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1053	ALL	448056.8	3753202	1.13E-06	0.74YrCancerDerived_Inh_FAH16to70	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
976	ALL	448216.8	3753102	1.13E-06	0.74YrCancerDerived_Inh_FAH16to70	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
710	ALL	447516.8	3752802	1.12E-06	0.74YrCancerDerived_Inh_FAH16to70	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
802	ALL	447476.8	3752862	1.12E-06	0.74YrCancerDerived_Inh_FAH16to70	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
591	ALL	447916.8	3752742	1.12E-06	0.74YrCancerDerived_Inh_FAH16to70	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
537	ALL	447856.8	3752722	1.12E-06	0.74YrCancerDerived_Inh_FAH16to70	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1052	ALL	448036.8	3753202	1.11E-06	0.74YrCancerDerived_Inh_FAH16to70	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1055	ALL	448096.8	3753202	1.11E-06	0.74YrCancerDerived_Inh_FAH16to70	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
624	ALL	447556.8	3752762	1.11E-06	0.74YrCancerDerived_Inh_FAH16to70	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
526	ALL	447636.8	3752722	1.11E-06	0.74YrCancerDerived_Inh_FAH16to70	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1025	ALL	448176.8	3753162	1.10E-06	0.74YrCancerDerived_Inh_FAH16to70	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1009	ALL	448196.8	3753142	1.10E-06	0.74YrCancerDerived_Inh_FAH16to70	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
895	ALL	448216.8	3752962	1.10E-06	0.74YrCancerDerived_Inh_FAH16to70	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1051	ALL	448016.8	3753202	1.10E-06	0.74YrCancerDerived_Inh_FAH16to70	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
944	ALL	448236.8	3753042	1.10E-06	0.74YrCancerDerived_Inh_FAH16to70	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

844	ALL	448156.8	3752882	1.09E-06	0.74YrCancerDerived_Inh_FAH16to70	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
857	ALL	448176.8	3752902	1.09E-06	0.74YrCancerDerived_Inh_FAH16to70	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
932	ALL	448236.8	3753022	1.09E-06	0.74YrCancerDerived_Inh_FAH16to70	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
741	ALL	447496.8	3752822	1.09E-06	0.74YrCancerDerived_Inh_FAH16to70	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
955	ALL	448236.8	3753062	1.09E-06	0.74YrCancerDerived_Inh_FAH16to70	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1041	ALL	448156.8	3753182	1.08E-06	0.74YrCancerDerived_Inh_FAH16to70	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
814	ALL	448136.8	3752862	1.08E-06	0.74YrCancerDerived_Inh_FAH16to70	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
993	ALL	448216.8	3753122	1.08E-06	0.74YrCancerDerived_Inh_FAH16to70	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1056	ALL	448116.8	3753202	1.08E-06	0.74YrCancerDerived_Inh_FAH16to70	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
870	ALL	448196.8	3752922	1.08E-06	0.74YrCancerDerived_Inh_FAH16to70	1.08E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
920	ALL	448236.8	3753002	1.07E-06	0.74YrCancerDerived_Inh_FAH16to70	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
538	ALL	447876.8	3752722	1.07E-06	0.74YrCancerDerived_Inh_FAH16to70	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
966	ALL	448236.8	3753082	1.07E-06	0.74YrCancerDerived_Inh_FAH16to70	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
645	ALL	447976.8	3752762	1.07E-06	0.74YrCancerDerived_Inh_FAH16to70	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
480	ALL	447736.8	3752702	1.06E-06	0.74YrCancerDerived_Inh_FAH16to70	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
481	ALL	447756.8	3752702	1.06E-06	0.74YrCancerDerived_Inh_FAH16to70	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
574	ALL	447576.8	3752742	1.06E-06	0.74YrCancerDerived_Inh_FAH16to70	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
479	ALL	447716.8	3752702	1.06E-06	0.74YrCancerDerived_Inh_FAH16to70	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
592	ALL	447936.8	3752742	1.06E-06	0.74YrCancerDerived_Inh_FAH16to70	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
482	ALL	447776.8	3752702	1.05E-06	0.74YrCancerDerived_Inh_FAH16to70	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
525	ALL	447616.8	3752722	1.05E-06	0.74YrCancerDerived_Inh_FAH16to70	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
783	ALL	448116.8	3752842	1.05E-06	0.74YrCancerDerived_Inh_FAH16to70	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
883	ALL	448216.8	3752942	1.05E-06	0.74YrCancerDerived_Inh_FAH16to70	1.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
908	ALL	448236.8	3752982	1.04E-06	0.74YrCancerDerived_Inh_FAH16to70	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
478	ALL	447696.8	3752702	1.04E-06	0.74YrCancerDerived_Inh_FAH16to70	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
483	ALL	447796.8	3752702	1.04E-06	0.74YrCancerDerived_Inh_FAH16to70	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
771	ALL	447476.8	3752842	1.04E-06	0.74YrCancerDerived_Inh_FAH16to70	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
977	ALL	448236.8	3753102	1.04E-06	0.74YrCancerDerived_Inh_FAH16to70	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
831	ALL	447456.8	3752882	1.04E-06	0.74YrCancerDerived_Inh_FAH16to70	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1057	ALL	448136.8	3753202	1.03E-06	0.74YrCancerDerived_Inh_FAH16to70	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1026	ALL	448196.8	3753162	1.03E-06	0.74YrCancerDerived_Inh_FAH16to70	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
539	ALL	447896.8	3752722	1.02E-06	0.74YrCancerDerived_Inh_FAH16to70	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1010	ALL	448216.8	3753142	1.02E-06	0.74YrCancerDerived_Inh_FAH16to70	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
484	ALL	447816.8	3752702	1.02E-06	0.74YrCancerDerived_Inh_FAH16to70	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
477	ALL	447676.8	3752702	1.02E-06	0.74YrCancerDerived_Inh_FAH16to70	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1042	ALL	448176.8	3753182	1.02E-06	0.74YrCancerDerived_Inh_FAH16to70	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
751	ALL	448096.8	3752822	1.02E-06	0.74YrCancerDerived_Inh_FAH16to70	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
673	ALL	447516.8	3752782	1.01E-06	0.74YrCancerDerived_Inh_FAH16to70	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
623	ALL	447536.8	3752762	1.01E-06	0.74YrCancerDerived_Inh_FAH16to70	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
896	ALL	448236.8	3752962	1.01E-06	0.74YrCancerDerived_Inh_FAH16to70	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
845	ALL	448176.8	3752882	1.00E-06	0.74YrCancerDerived_Inh_FAH16to70	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
945	ALL	448256.8	3753042	1.00E-06	0.74YrCancerDerived_Inh_FAH16to70	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
858	ALL	448196.8	3752902	1.00E-06	0.74YrCancerDerived_Inh_FAH16to70	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
646	ALL	447996.8	3752762	1.00E-06	0.74YrCancerDerived_Inh_FAH16to70	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
994	ALL	448236.8	3753122	9.99E-07	0.74YrCancerDerived_Inh_FAH16to70	9.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
956	ALL	448256.8	3753062	9.98E-07	0.74YrCancerDerived_Inh_FAH16to70	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
933	ALL	448256.8	3753022	9.98E-07	0.74YrCancerDerived_Inh_FAH16to70	9.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
485	ALL	447836.8	3752702	9.96E-07	0.74YrCancerDerived_Inh_FAH16to70	9.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
593	ALL	447956.8	3752742	9.95E-07	0.74YrCancerDerived_Inh_FAH16to70	9.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
815	ALL	448156.8	3752862	9.95E-07	0.74YrCancerDerived_Inh_FAH16to70	9.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
709	ALL	447496.8	3752802	9.94E-07	0.74YrCancerDerived_Inh_FAH16to70	9.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
524	ALL	447596.8	3752722	9.93E-07	0.74YrCancerDerived_Inh_FAH16to70	9.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
476	ALL	447656.8	3752702	9.91E-07	0.74YrCancerDerived_Inh_FAH16to70	9.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
871	ALL	448216.8	3752922	9.86E-07	0.74YrCancerDerived_Inh_FAH16to70	9.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1072	ALL	448096.8	3753222	9.84E-07	0.74YrCancerDerived_Inh_FAH16to70	9.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1071	ALL	448076.8	3753222	9.84E-07	0.74YrCancerDerived_Inh_FAH16to70	9.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
967	ALL	448256.8	3753082	9.83E-07	0.74YrCancerDerived_Inh_FAH16to70	9.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1058	ALL	448156.8	3753202	9.83E-07	0.74YrCancerDerived_Inh_FAH16to70	9.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
921	ALL	448256.8	3753002	9.82E-07	0.74YrCancerDerived_Inh_FAH16to70	9.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
573	ALL	447556.8	3752742	9.80E-07	0.74YrCancerDerived_Inh_FAH16to70	9.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
801	ALL	447456.8	3752862	9.77E-07	0.74YrCancerDerived_Inh_FAH16to70	9.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
540	ALL	447916.8	3752722	9.75E-07	0.74YrCancerDerived_Inh_FAH16to70	9.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
784	ALL	448136.8	3752842	9.73E-07	0.74YrCancerDerived_Inh_FAH16to70	9.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
486	ALL	447856.8	3752702	9.66E-07	0.74YrCancerDerived_Inh_FAH16to70	9.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1073	ALL	448116.8	3753222	9.65E-07	0.74YrCancerDerived_Inh_FAH16to70	9.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1027	ALL	448216.8	3753162	9.63E-07	0.74YrCancerDerived_Inh_FAH16to70	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1070	ALL	448056.8	3753222	9.63E-07	0.74YrCancerDerived_Inh_FAH16to70	9.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
740	ALL	447476.8	3752822	9.59E-07	0.74YrCancerDerived_Inh_FAH16to70	9.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
884	ALL	448236.8	3752942	9.59E-07	0.74YrCancerDerived_Inh_FAH16to70	9.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
978	ALL	448256.8	3753102	9.59E-07	0.74YrCancerDerived_Inh_FAH16to70	9.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
909	ALL	448256.8	3752982	9.57E-07	0.74YrCancerDerived_Inh_FAH16to70	9.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1043	ALL	448196.8	3753182	9.56E-07	0.74YrCancerDerived_Inh_FAH16to70	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
475	ALL	447636.8	3752702	9.56E-07	0.74YrCancerDerived_Inh_FAH16to70	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1011	ALL	448236.8	3753142	9.52E-07	0.74YrCancerDerived_Inh_FAH16to70	9.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
752	ALL	448116.8	3752822	9.43E-07	0.74YrCancerDerived_Inh_FAH16to70	9.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
594	ALL	447976.8	3752742	9.38E-07	0.74YrCancerDerived_Inh_FAH16to70	9.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
647	ALL	448016.8	3752762	9.37E-07	0.74YrCancerDerived_Inh_FAH16to70	9.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
487	ALL	447876.8	3752702	9.32E-07	0.74YrCancerDerived_Inh_FAH16to70	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1059	ALL	448176.8	3753202	9.31E-07	0.74YrCancerDerived_Inh_FAH16to70	9.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
523	ALL	447576.8	3752722	9.31E-07	0.74YrCancerDerived_Inh_FAH16to70	9.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1069	ALL	448036.8	3753222	9.30E-07	0.74YrCancerDerived_Inh_FAH16to70	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1074	ALL	448136.8	3753222	9.30E-07	0.74YrCancerDerived_Inh_FAH16to70	9.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
846	ALL	448196.8	3752882	9.26E-07	0.74YrCancerDerived_Inh_FAH16to70	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
995	ALL	448256.8	3753122	9.26E-07	0.74YrCancerDerived_Inh_FAH16to70	9.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
541	ALL	447936.8	3752722	9.25E-07	0.74YrCancerDerived_Inh_FAH16to70	9.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
897	ALL	448256.8	3752962	9.23E-07	0.74YrCancerDerived_Inh_FAH16to70	9.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
946	ALL	448276.8	3753042	9.22E-07	0.74YrCancerDerived_Inh_FAH16to70	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
859	ALL	448216.8	3752902	9.22E-07	0.74YrCancerDerived_Inh_FAH16to70	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
957	ALL	448276.8	3753062	9.19E-07	0.74YrCancerDerived_Inh_FAH16to70	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
816	ALL	448176.8	3752862	9.19E-07	0.74YrCancerDerived_Inh_FAH16to70	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
934	ALL	448276.8	3753022	9.17E-07	0.74YrCancerDerived_Inh_FAH16to70	9.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
474	ALL	447616.8	3752702	9.16E-07	0.74YrCancerDerived_Inh_FAH16to70	9.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
429	ALL	447736.8	3752682	9.14E-07	0.74YrCancerDerived_Inh_FAH16to70	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
770	ALL	447456.8	3752842	9.14E-07	0.74YrCancerDerived_Inh_FAH16to70	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
430	ALL	447756.8	3752682	9.14E-07	0.74YrCancerDerived_Inh_FAH16to70	9.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
622	ALL	447516.8	3752762	9.13E-07	0.74YrCancerDerived_Inh_FAH16to70	9.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
428	ALL	447716.8	3752682	9.09E-07	0.74YrCancerDerived_Inh_FAH16to70	9.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
431	ALL	447776.8	3752682	9.09E-07	0.74YrCancerDerived_Inh_FAH16to70	9.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
968	ALL	448276.8	3753082	9.07E-07	0.74YrCancerDerived_Inh_FAH16to70	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
872	ALL	448236.8	3752922	9.07E-07	0.74YrCancerDerived_Inh_FAH16to70	9.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
672	ALL	447496.8	3752782	9.06E-07	0.74YrCancerDerived_Inh_FAH16to70	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
720	ALL	448096.8	3752802	9.06E-07	0.74YrCancerDerived_Inh_FAH16to70	9.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1068	ALL	448016.8	3753222	9.05E-07	0.74YrCancerDerived_Inh_FAH16to70	9.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
830	ALL	447436.8	3752882	9.05E-07	0.74YrCancerDerived_Inh_FAH16to70	9.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
785	ALL	448156.8	3752842	9.02E-07	0.74YrCancerDerived_Inh_FAH16to70	9.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
922	ALL	448276.8	3753002	9.02E-07	0.74YrCancerDerived_Inh_FAH16to70	9.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
572	ALL	447536.8	3752742	9.01E-07	0.74YrCancerDerived_Inh_FAH16to70	9.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1028	ALL	448236.8	3753162	9.00E-07	0.74YrCancerDerived_Inh_FAH16to70	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
432	ALL	447796.8	3752682	9.00E-07	0.74YrCancerDerived_Inh_FAH16to70	9.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1044	ALL	448216.8	3753182	8.99E-07	0.74YrCancerDerived_Inh_FAH16to70	8.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

427	ALL	447696.8	3752682	8.98E-07	0.74YrCancerDerived_Inh_FAH16to70	8.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
488	ALL	447896.8	3752702	8.95E-07	0.74YrCancerDerived_Inh_FAH16to70	8.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1075	ALL	448156.8	3753222	8.89E-07	0.74YrCancerDerived_Inh_FAH16to70	8.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
979	ALL	448276.8	3753102	8.87E-07	0.74YrCancerDerived_Inh_FAH16to70	8.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1012	ALL	448256.8	3753142	8.86E-07	0.74YrCancerDerived_Inh_FAH16to70	8.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
433	ALL	447816.8	3752682	8.85E-07	0.74YrCancerDerived_Inh_FAH16to70	8.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
708	ALL	447476.8	3752802	8.83E-07	0.74YrCancerDerived_Inh_FAH16to70	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
595	ALL	447996.8	3752742	8.83E-07	0.74YrCancerDerived_Inh_FAH16to70	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
885	ALL	448256.8	3752942	8.82E-07	0.74YrCancerDerived_Inh_FAH16to70	8.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
426	ALL	447676.8	3752682	8.81E-07	0.74YrCancerDerived_Inh_FAH16to70	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1060	ALL	448196.8	3753202	8.81E-07	0.74YrCancerDerived_Inh_FAH16to70	8.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
910	ALL	448276.8	3752982	8.79E-07	0.74YrCancerDerived_Inh_FAH16to70	8.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
648	ALL	448036.8	3752762	8.78E-07	0.74YrCancerDerived_Inh_FAH16to70	8.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
753	ALL	448136.8	3752822	8.77E-07	0.74YrCancerDerived_Inh_FAH16to70	8.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
542	ALL	447956.8	3752722	8.76E-07	0.74YrCancerDerived_Inh_FAH16to70	8.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
473	ALL	447596.8	3752702	8.72E-07	0.74YrCancerDerived_Inh_FAH16to70	8.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1089	ALL	448096.8	3753242	8.71E-07	0.74YrCancerDerived_Inh_FAH16to70	8.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
522	ALL	447556.8	3752722	8.70E-07	0.74YrCancerDerived_Inh_FAH16to70	8.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
434	ALL	447836.8	3752682	8.66E-07	0.74YrCancerDerived_Inh_FAH16to70	8.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
996	ALL	448276.8	3753122	8.60E-07	0.74YrCancerDerived_Inh_FAH16to70	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
425	ALL	447656.8	3752682	8.60E-07	0.74YrCancerDerived_Inh_FAH16to70	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1088	ALL	448076.8	3753242	8.60E-07	0.74YrCancerDerived_Inh_FAH16to70	8.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1090	ALL	448116.8	3753242	8.59E-07	0.74YrCancerDerived_Inh_FAH16to70	8.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
800	ALL	447436.8	3752862	8.59E-07	0.74YrCancerDerived_Inh_FAH16to70	8.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
847	ALL	448216.8	3752882	8.56E-07	0.74YrCancerDerived_Inh_FAH16to70	8.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
489	ALL	447916.8	3752702	8.56E-07	0.74YrCancerDerived_Inh_FAH16to70	8.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
817	ALL	448196.8	3752862	8.52E-07	0.74YrCancerDerived_Inh_FAH16to70	8.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
860	ALL	448236.8	3752902	8.51E-07	0.74YrCancerDerived_Inh_FAH16to70	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
947	ALL	448296.8	3753042	8.51E-07	0.74YrCancerDerived_Inh_FAH16to70	8.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
739	ALL	447456.8	3752822	8.50E-07	0.74YrCancerDerived_Inh_FAH16to70	8.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
898	ALL	448276.8	3752962	8.50E-07	0.74YrCancerDerived_Inh_FAH16to70	8.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
958	ALL	448296.8	3753062	8.49E-07	0.74YrCancerDerived_Inh_FAH16to70	8.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1076	ALL	448176.8	3753222	8.48E-07	0.74YrCancerDerived_Inh_FAH16to70	8.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
721	ALL	448116.8	3752802	8.45E-07	0.74YrCancerDerived_Inh_FAH16to70	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
935	ALL	448296.8	3753022	8.45E-07	0.74YrCancerDerived_Inh_FAH16to70	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1045	ALL	448236.8	3753182	8.45E-07	0.74YrCancerDerived_Inh_FAH16to70	8.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
435	ALL	447856.8	3752682	8.43E-07	0.74YrCancerDerived_Inh_FAH16to70	8.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1029	ALL	448256.8	3753162	8.42E-07	0.74YrCancerDerived_Inh_FAH16to70	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
969	ALL	448296.8	3753082	8.40E-07	0.74YrCancerDerived_Inh_FAH16to70	8.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
786	ALL	448176.8	3752842	8.38E-07	0.74YrCancerDerived_Inh_FAH16to70	8.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
873	ALL	448256.8	3752922	8.36E-07	0.74YrCancerDerived_Inh_FAH16to70	8.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
424	ALL	447636.8	3752682	8.34E-07	0.74YrCancerDerived_Inh_FAH16to70	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1061	ALL	448216.8	3753202	8.33E-07	0.74YrCancerDerived_Inh_FAH16to70	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1091	ALL	448136.8	3753242	8.33E-07	0.74YrCancerDerived_Inh_FAH16to70	8.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
923	ALL	448296.8	3753002	8.31E-07	0.74YrCancerDerived_Inh_FAH16to70	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
596	ALL	448016.8	3752742	8.31E-07	0.74YrCancerDerived_Inh_FAH16to70	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
543	ALL	447976.8	3752722	8.29E-07	0.74YrCancerDerived_Inh_FAH16to70	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1087	ALL	448056.8	3753242	8.29E-07	0.74YrCancerDerived_Inh_FAH16to70	8.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1013	ALL	448276.8	3753142	8.27E-07	0.74YrCancerDerived_Inh_FAH16to70	8.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
621	ALL	447496.8	3752762	8.25E-07	0.74YrCancerDerived_Inh_FAH16to70	8.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
472	ALL	447576.8	3752702	8.24E-07	0.74YrCancerDerived_Inh_FAH16to70	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
649	ALL	448056.8	3752762	8.24E-07	0.74YrCancerDerived_Inh_FAH16to70	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
571	ALL	447516.8	3752742	8.24E-07	0.74YrCancerDerived_Inh_FAH16to70	8.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
980	ALL	448296.8	3753102	8.23E-07	0.74YrCancerDerived_Inh_FAH16to70	8.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
754	ALL	448156.8	3752822	8.17E-07	0.74YrCancerDerived_Inh_FAH16to70	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

436	ALL	447876.8	3752682	8.17E-07	0.74YrCancerDerived_Inh_FAH16to70	8.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
490	ALL	447936.8	3752702	8.16E-07	0.74YrCancerDerived_Inh_FAH16to70	8.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
886	ALL	448276.8	3752942	8.14E-07	0.74YrCancerDerived_Inh_FAH16to70	8.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
671	ALL	447476.8	3752782	8.12E-07	0.74YrCancerDerived_Inh_FAH16to70	8.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
911	ALL	448296.8	3752982	8.11E-07	0.74YrCancerDerived_Inh_FAH16to70	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
688	ALL	448096.8	3752782	8.11E-07	0.74YrCancerDerived_Inh_FAH16to70	8.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
769	ALL	447436.8	3752842	8.09E-07	0.74YrCancerDerived_Inh_FAH16to70	8.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1077	ALL	448196.8	3753222	8.08E-07	0.74YrCancerDerived_Inh_FAH16to70	8.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
521	ALL	447536.8	3752722	8.07E-07	0.74YrCancerDerived_Inh_FAH16to70	8.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
423	ALL	447616.8	3752682	8.03E-07	0.74YrCancerDerived_Inh_FAH16to70	8.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1092	ALL	448156.8	3753242	8.02E-07	0.74YrCancerDerived_Inh_FAH16to70	8.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
997	ALL	448296.8	3753122	8.01E-07	0.74YrCancerDerived_Inh_FAH16to70	8.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
829	ALL	447416.8	3752882	7.97E-07	0.74YrCancerDerived_Inh_FAH16to70	7.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
379	ALL	447756.8	3752662	7.96E-07	0.74YrCancerDerived_Inh_FAH16to70	7.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
378	ALL	447736.8	3752662	7.95E-07	0.74YrCancerDerived_Inh_FAH16to70	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1046	ALL	448256.8	3753182	7.95E-07	0.74YrCancerDerived_Inh_FAH16to70	7.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
848	ALL	448236.8	3752882	7.93E-07	0.74YrCancerDerived_Inh_FAH16to70	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
380	ALL	447776.8	3752662	7.93E-07	0.74YrCancerDerived_Inh_FAH16to70	7.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
818	ALL	448216.8	3752862	7.91E-07	0.74YrCancerDerived_Inh_FAH16to70	7.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
722	ALL	448136.8	3752802	7.90E-07	0.74YrCancerDerived_Inh_FAH16to70	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
377	ALL	447716.8	3752662	7.90E-07	0.74YrCancerDerived_Inh_FAH16to70	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1030	ALL	448276.8	3753162	7.89E-07	0.74YrCancerDerived_Inh_FAH16to70	7.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1086	ALL	448036.8	3753242	7.88E-07	0.74YrCancerDerived_Inh_FAH16to70	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1062	ALL	448236.8	3753202	7.88E-07	0.74YrCancerDerived_Inh_FAH16to70	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
707	ALL	447456.8	3752802	7.88E-07	0.74YrCancerDerived_Inh_FAH16to70	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
861	ALL	448256.8	3752902	7.88E-07	0.74YrCancerDerived_Inh_FAH16to70	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
437	ALL	447896.8	3752682	7.88E-07	0.74YrCancerDerived_Inh_FAH16to70	7.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
948	ALL	448316.8	3753042	7.87E-07	0.74YrCancerDerived_Inh_FAH16to70	7.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
959	ALL	448316.8	3753062	7.86E-07	0.74YrCancerDerived_Inh_FAH16to70	7.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
381	ALL	447796.8	3752662	7.86E-07	0.74YrCancerDerived_Inh_FAH16to70	7.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
899	ALL	448296.8	3752962	7.85E-07	0.74YrCancerDerived_Inh_FAH16to70	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
544	ALL	447996.8	3752722	7.85E-07	0.74YrCancerDerived_Inh_FAH16to70	7.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
597	ALL	448036.8	3752742	7.83E-07	0.74YrCancerDerived_Inh_FAH16to70	7.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
936	ALL	448316.8	3753022	7.81E-07	0.74YrCancerDerived_Inh_FAH16to70	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
376	ALL	447696.8	3752662	7.81E-07	0.74YrCancerDerived_Inh_FAH16to70	7.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
787	ALL	448196.8	3752842	7.80E-07	0.74YrCancerDerived_Inh_FAH16to70	7.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
970	ALL	448316.8	3753082	7.79E-07	0.74YrCancerDerived_Inh_FAH16to70	7.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
491	ALL	447956.8	3752702	7.77E-07	0.74YrCancerDerived_Inh_FAH16to70	7.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
382	ALL	447816.8	3752662	7.75E-07	0.74YrCancerDerived_Inh_FAH16to70	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
471	ALL	447556.8	3752702	7.75E-07	0.74YrCancerDerived_Inh_FAH16to70	7.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
650	ALL	448076.8	3752762	7.74E-07	0.74YrCancerDerived_Inh_FAH16to70	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
874	ALL	448276.8	3752922	7.74E-07	0.74YrCancerDerived_Inh_FAH16to70	7.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1014	ALL	448296.8	3753142	7.72E-07	0.74YrCancerDerived_Inh_FAH16to70	7.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1093	ALL	448176.8	3753242	7.70E-07	0.74YrCancerDerived_Inh_FAH16to70	7.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
422	ALL	447596.8	3752682	7.69E-07	0.74YrCancerDerived_Inh_FAH16to70	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1078	ALL	448216.8	3753222	7.69E-07	0.74YrCancerDerived_Inh_FAH16to70	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
375	ALL	447676.8	3752662	7.69E-07	0.74YrCancerDerived_Inh_FAH16to70	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
924	ALL	448316.8	3753002	7.69E-07	0.74YrCancerDerived_Inh_FAH16to70	7.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1106	ALL	448096.8	3753262	7.67E-07	0.74YrCancerDerived_Inh_FAH16to70	7.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
981	ALL	448316.8	3753102	7.66E-07	0.74YrCancerDerived_Inh_FAH16to70	7.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1107	ALL	448116.8	3753262	7.63E-07	0.74YrCancerDerived_Inh_FAH16to70	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
755	ALL	448176.8	3752822	7.63E-07	0.74YrCancerDerived_Inh_FAH16to70	7.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1085	ALL	448016.8	3753242	7.61E-07	0.74YrCancerDerived_Inh_FAH16to70	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
383	ALL	447836.8	3752662	7.61E-07	0.74YrCancerDerived_Inh_FAH16to70	7.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
799	ALL	447416.8	3752862	7.60E-07	0.74YrCancerDerived_Inh_FAH16to70	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

689	ALL	448116.8	3752782	7.60E-07	0.74YrCancerDerived_Inh_FAH16to70	7.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
738	ALL	447436.8	3752822	7.58E-07	0.74YrCancerDerived_Inh_FAH16to70	7.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
438	ALL	447916.8	3752682	7.57E-07	0.74YrCancerDerived_Inh_FAH16to70	7.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
887	ALL	448296.8	3752942	7.53E-07	0.74YrCancerDerived_Inh_FAH16to70	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
374	ALL	447656.8	3752662	7.53E-07	0.74YrCancerDerived_Inh_FAH16to70	7.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
570	ALL	447496.8	3752742	7.51E-07	0.74YrCancerDerived_Inh_FAH16to70	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
912	ALL	448316.8	3752982	7.50E-07	0.74YrCancerDerived_Inh_FAH16to70	7.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1105	ALL	448076.8	3753262	7.48E-07	0.74YrCancerDerived_Inh_FAH16to70	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1047	ALL	448276.8	3753182	7.48E-07	0.74YrCancerDerived_Inh_FAH16to70	7.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
998	ALL	448316.8	3753122	7.47E-07	0.74YrCancerDerived_Inh_FAH16to70	7.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
620	ALL	447476.8	3752762	7.46E-07	0.74YrCancerDerived_Inh_FAH16to70	7.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1108	ALL	448136.8	3753262	7.45E-07	0.74YrCancerDerived_Inh_FAH16to70	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1063	ALL	448256.8	3753202	7.45E-07	0.74YrCancerDerived_Inh_FAH16to70	7.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
520	ALL	447516.8	3752722	7.44E-07	0.74YrCancerDerived_Inh_FAH16to70	7.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
384	ALL	447856.8	3752662	7.43E-07	0.74YrCancerDerived_Inh_FAH16to70	7.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
545	ALL	448016.8	3752722	7.42E-07	0.74YrCancerDerived_Inh_FAH16to70	7.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
723	ALL	448156.8	3752802	7.40E-07	0.74YrCancerDerived_Inh_FAH16to70	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1031	ALL	448296.8	3753162	7.40E-07	0.74YrCancerDerived_Inh_FAH16to70	7.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
492	ALL	447976.8	3752702	7.39E-07	0.74YrCancerDerived_Inh_FAH16to70	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1094	ALL	448196.8	3753242	7.38E-07	0.74YrCancerDerived_Inh_FAH16to70	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
598	ALL	448056.8	3752742	7.38E-07	0.74YrCancerDerived_Inh_FAH16to70	7.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
849	ALL	448256.8	3752882	7.37E-07	0.74YrCancerDerived_Inh_FAH16to70	7.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
819	ALL	448236.8	3752862	7.36E-07	0.74YrCancerDerived_Inh_FAH16to70	7.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
373	ALL	447636.8	3752662	7.33E-07	0.74YrCancerDerived_Inh_FAH16to70	7.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
421	ALL	447576.8	3752682	7.32E-07	0.74YrCancerDerived_Inh_FAH16to70	7.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1079	ALL	448236.8	3753222	7.31E-07	0.74YrCancerDerived_Inh_FAH16to70	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
862	ALL	448276.8	3752902	7.31E-07	0.74YrCancerDerived_Inh_FAH16to70	7.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
960	ALL	448336.8	3753062	7.30E-07	0.74YrCancerDerived_Inh_FAH16to70	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
949	ALL	448336.8	3753042	7.30E-07	0.74YrCancerDerived_Inh_FAH16to70	7.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
670	ALL	447456.8	3752782	7.29E-07	0.74YrCancerDerived_Inh_FAH16to70	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
651	ALL	448096.8	3752762	7.29E-07	0.74YrCancerDerived_Inh_FAH16to70	7.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
788	ALL	448216.8	3752842	7.28E-07	0.74YrCancerDerived_Inh_FAH16to70	7.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
900	ALL	448316.8	3752962	7.27E-07	0.74YrCancerDerived_Inh_FAH16to70	7.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
439	ALL	447936.8	3752682	7.25E-07	0.74YrCancerDerived_Inh_FAH16to70	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
971	ALL	448336.8	3753082	7.25E-07	0.74YrCancerDerived_Inh_FAH16to70	7.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
470	ALL	447536.8	3752702	7.24E-07	0.74YrCancerDerived_Inh_FAH16to70	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
937	ALL	448336.8	3753022	7.24E-07	0.74YrCancerDerived_Inh_FAH16to70	7.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1015	ALL	448316.8	3753142	7.23E-07	0.74YrCancerDerived_Inh_FAH16to70	7.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1109	ALL	448156.8	3753262	7.22E-07	0.74YrCancerDerived_Inh_FAH16to70	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
385	ALL	447876.8	3752662	7.22E-07	0.74YrCancerDerived_Inh_FAH16to70	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
768	ALL	447416.8	3752842	7.21E-07	0.74YrCancerDerived_Inh_FAH16to70	7.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
875	ALL	448296.8	3752922	7.18E-07	0.74YrCancerDerived_Inh_FAH16to70	7.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
690	ALL	448136.8	3752782	7.14E-07	0.74YrCancerDerived_Inh_FAH16to70	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
756	ALL	448196.8	3752822	7.14E-07	0.74YrCancerDerived_Inh_FAH16to70	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
982	ALL	448336.8	3753102	7.14E-07	0.74YrCancerDerived_Inh_FAH16to70	7.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1104	ALL	448056.8	3753262	7.13E-07	0.74YrCancerDerived_Inh_FAH16to70	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
925	ALL	448336.8	3753002	7.13E-07	0.74YrCancerDerived_Inh_FAH16to70	7.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
372	ALL	447616.8	3752662	7.09E-07	0.74YrCancerDerived_Inh_FAH16to70	7.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1095	ALL	448216.8	3753242	7.07E-07	0.74YrCancerDerived_Inh_FAH16to70	7.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
706	ALL	447436.8	3752802	7.07E-07	0.74YrCancerDerived_Inh_FAH16to70	7.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
828	ALL	447396.8	3752882	7.06E-07	0.74YrCancerDerived_Inh_FAH16to70	7.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1064	ALL	448276.8	3753202	7.05E-07	0.74YrCancerDerived_Inh_FAH16to70	7.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1048	ALL	448296.8	3753182	7.04E-07	0.74YrCancerDerived_Inh_FAH16to70	7.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
546	ALL	448036.8	3752722	7.02E-07	0.74YrCancerDerived_Inh_FAH16to70	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
493	ALL	447996.8	3752702	7.02E-07	0.74YrCancerDerived_Inh_FAH16to70	7.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

328	ALL	447756.8	3752642	7.00E-07	0.74YrCancerDerived_Inh_FAH16to70	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
888	ALL	448316.8	3752942	6.99E-07	0.74YrCancerDerived_Inh_FAH16to70	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
327	ALL	447736.8	3752642	6.99E-07	0.74YrCancerDerived_Inh_FAH16to70	6.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
329	ALL	447776.8	3752642	6.98E-07	0.74YrCancerDerived_Inh_FAH16to70	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
386	ALL	447896.8	3752662	6.98E-07	0.74YrCancerDerived_Inh_FAH16to70	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
999	ALL	448336.8	3753122	6.98E-07	0.74YrCancerDerived_Inh_FAH16to70	6.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1110	ALL	448176.8	3753262	6.97E-07	0.74YrCancerDerived_Inh_FAH16to70	6.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
913	ALL	448336.8	3752982	6.96E-07	0.74YrCancerDerived_Inh_FAH16to70	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
599	ALL	448076.8	3752742	6.96E-07	0.74YrCancerDerived_Inh_FAH16to70	6.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1080	ALL	448256.8	3753222	6.95E-07	0.74YrCancerDerived_Inh_FAH16to70	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1032	ALL	448316.8	3753162	6.95E-07	0.74YrCancerDerived_Inh_FAH16to70	6.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
724	ALL	448176.8	3752802	6.94E-07	0.74YrCancerDerived_Inh_FAH16to70	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
326	ALL	447716.8	3752642	6.94E-07	0.74YrCancerDerived_Inh_FAH16to70	6.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
420	ALL	447556.8	3752682	6.93E-07	0.74YrCancerDerived_Inh_FAH16to70	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
440	ALL	447956.8	3752682	6.93E-07	0.74YrCancerDerived_Inh_FAH16to70	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
330	ALL	447796.8	3752642	6.93E-07	0.74YrCancerDerived_Inh_FAH16to70	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
820	ALL	448256.8	3752862	6.87E-07	0.74YrCancerDerived_Inh_FAH16to70	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
850	ALL	448276.8	3752882	6.87E-07	0.74YrCancerDerived_Inh_FAH16to70	6.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
325	ALL	447696.8	3752642	6.86E-07	0.74YrCancerDerived_Inh_FAH16to70	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
652	ALL	448116.8	3752762	6.86E-07	0.74YrCancerDerived_Inh_FAH16to70	6.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
569	ALL	447476.8	3752742	6.85E-07	0.74YrCancerDerived_Inh_FAH16to70	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
519	ALL	447496.8	3752722	6.85E-07	0.74YrCancerDerived_Inh_FAH16to70	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
331	ALL	447816.8	3752642	6.84E-07	0.74YrCancerDerived_Inh_FAH16to70	6.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
371	ALL	447596.8	3752662	6.83E-07	0.74YrCancerDerived_Inh_FAH16to70	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
789	ALL	448236.8	3752842	6.81E-07	0.74YrCancerDerived_Inh_FAH16to70	6.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
863	ALL	448296.8	3752902	6.80E-07	0.74YrCancerDerived_Inh_FAH16to70	6.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
737	ALL	447416.8	3752822	6.79E-07	0.74YrCancerDerived_Inh_FAH16to70	6.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1124	ALL	448116.8	3753282	6.78E-07	0.74YrCancerDerived_Inh_FAH16to70	6.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
798	ALL	447396.8	3752862	6.77E-07	0.74YrCancerDerived_Inh_FAH16to70	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1016	ALL	448336.8	3753142	6.77E-07	0.74YrCancerDerived_Inh_FAH16to70	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
324	ALL	447676.8	3752642	6.77E-07	0.74YrCancerDerived_Inh_FAH16to70	6.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1096	ALL	448236.8	3753242	6.76E-07	0.74YrCancerDerived_Inh_FAH16to70	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
619	ALL	447456.8	3752762	6.76E-07	0.74YrCancerDerived_Inh_FAH16to70	6.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
901	ALL	448336.8	3752962	6.75E-07	0.74YrCancerDerived_Inh_FAH16to70	6.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
469	ALL	447516.8	3752702	6.74E-07	0.74YrCancerDerived_Inh_FAH16to70	6.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
387	ALL	447916.8	3752662	6.73E-07	0.74YrCancerDerived_Inh_FAH16to70	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
332	ALL	447836.8	3752642	6.73E-07	0.74YrCancerDerived_Inh_FAH16to70	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1111	ALL	448196.8	3753262	6.73E-07	0.74YrCancerDerived_Inh_FAH16to70	6.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
691	ALL	448156.8	3752782	6.72E-07	0.74YrCancerDerived_Inh_FAH16to70	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1123	ALL	448096.8	3753282	6.72E-07	0.74YrCancerDerived_Inh_FAH16to70	6.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1103	ALL	448036.8	3753262	6.70E-07	0.74YrCancerDerived_Inh_FAH16to70	6.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
757	ALL	448216.8	3752822	6.69E-07	0.74YrCancerDerived_Inh_FAH16to70	6.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
876	ALL	448316.8	3752922	6.68E-07	0.74YrCancerDerived_Inh_FAH16to70	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1065	ALL	448296.8	3753202	6.67E-07	0.74YrCancerDerived_Inh_FAH16to70	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
494	ALL	448016.8	3752702	6.67E-07	0.74YrCancerDerived_Inh_FAH16to70	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1125	ALL	448136.8	3753282	6.66E-07	0.74YrCancerDerived_Inh_FAH16to70	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
547	ALL	448056.8	3752722	6.65E-07	0.74YrCancerDerived_Inh_FAH16to70	6.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
323	ALL	447656.8	3752642	6.64E-07	0.74YrCancerDerived_Inh_FAH16to70	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1049	ALL	448316.8	3753182	6.64E-07	0.74YrCancerDerived_Inh_FAH16to70	6.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
441	ALL	447976.8	3752682	6.62E-07	0.74YrCancerDerived_Inh_FAH16to70	6.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1081	ALL	448276.8	3753222	6.61E-07	0.74YrCancerDerived_Inh_FAH16to70	6.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
669	ALL	447436.8	3752782	6.59E-07	0.74YrCancerDerived_Inh_FAH16to70	6.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
333	ALL	447856.8	3752642	6.58E-07	0.74YrCancerDerived_Inh_FAH16to70	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
600	ALL	448096.8	3752742	6.58E-07	0.74YrCancerDerived_Inh_FAH16to70	6.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
370	ALL	447576.8	3752662	6.54E-07	0.74YrCancerDerived_Inh_FAH16to70	6.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1033	ALL	448336.8	3753162	6.53E-07	0.74YrCancerDerived_Inh_FAH16to70	6.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
419	ALL	447536.8	3752682	6.52E-07	0.74YrCancerDerived_Inh_FAH16to70	6.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
725	ALL	448196.8	3752802	6.52E-07	0.74YrCancerDerived_Inh_FAH16to70	6.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
889	ALL	448336.8	3752942	6.51E-07	0.74YrCancerDerived_Inh_FAH16to70	6.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1126	ALL	448156.8	3753282	6.50E-07	0.74YrCancerDerived_Inh_FAH16to70	6.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
322	ALL	447636.8	3752642	6.49E-07	0.74YrCancerDerived_Inh_FAH16to70	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
388	ALL	447936.8	3752662	6.48E-07	0.74YrCancerDerived_Inh_FAH16to70	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1112	ALL	448216.8	3753262	6.48E-07	0.74YrCancerDerived_Inh_FAH16to70	6.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
653	ALL	448136.8	3752762	6.47E-07	0.74YrCancerDerived_Inh_FAH16to70	6.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1097	ALL	448256.8	3753242	6.46E-07	0.74YrCancerDerived_Inh_FAH16to70	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1122	ALL	448076.8	3753282	6.46E-07	0.74YrCancerDerived_Inh_FAH16to70	6.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
767	ALL	447396.8	3752842	6.45E-07	0.74YrCancerDerived_Inh_FAH16to70	6.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1102	ALL	448016.8	3753262	6.43E-07	0.74YrCancerDerived_Inh_FAH16to70	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
821	ALL	448276.8	3752862	6.42E-07	0.74YrCancerDerived_Inh_FAH16to70	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
334	ALL	447876.8	3752642	6.42E-07	0.74YrCancerDerived_Inh_FAH16to70	6.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
851	ALL	448296.8	3752882	6.41E-07	0.74YrCancerDerived_Inh_FAH16to70	6.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
790	ALL	448256.8	3752842	6.37E-07	0.74YrCancerDerived_Inh_FAH16to70	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
705	ALL	447416.8	3752802	6.37E-07	0.74YrCancerDerived_Inh_FAH16to70	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
864	ALL	448316.8	3752902	6.35E-07	0.74YrCancerDerived_Inh_FAH16to70	6.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
495	ALL	448036.8	3752702	6.33E-07	0.74YrCancerDerived_Inh_FAH16to70	6.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
692	ALL	448176.8	3752782	6.32E-07	0.74YrCancerDerived_Inh_FAH16to70	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
442	ALL	447996.8	3752682	6.32E-07	0.74YrCancerDerived_Inh_FAH16to70	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1066	ALL	448316.8	3753202	6.31E-07	0.74YrCancerDerived_Inh_FAH16to70	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1127	ALL	448176.8	3753282	6.31E-07	0.74YrCancerDerived_Inh_FAH16to70	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
321	ALL	447616.8	3752642	6.31E-07	0.74YrCancerDerived_Inh_FAH16to70	6.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
827	ALL	447376.8	3752882	6.30E-07	0.74YrCancerDerived_Inh_FAH16to70	6.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
518	ALL	447476.8	3752722	6.29E-07	0.74YrCancerDerived_Inh_FAH16to70	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
548	ALL	448076.8	3752722	6.29E-07	0.74YrCancerDerived_Inh_FAH16to70	6.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1082	ALL	448296.8	3753222	6.28E-07	0.74YrCancerDerived_Inh_FAH16to70	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
758	ALL	448236.8	3752822	6.28E-07	0.74YrCancerDerived_Inh_FAH16to70	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1050	ALL	448336.8	3753182	6.27E-07	0.74YrCancerDerived_Inh_FAH16to70	6.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
568	ALL	447456.8	3752742	6.25E-07	0.74YrCancerDerived_Inh_FAH16to70	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
468	ALL	447496.8	3752702	6.25E-07	0.74YrCancerDerived_Inh_FAH16to70	6.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
877	ALL	448336.8	3752922	6.23E-07	0.74YrCancerDerived_Inh_FAH16to70	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
335	ALL	447896.8	3752642	6.23E-07	0.74YrCancerDerived_Inh_FAH16to70	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1113	ALL	448236.8	3753262	6.23E-07	0.74YrCancerDerived_Inh_FAH16to70	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
369	ALL	447556.8	3752662	6.22E-07	0.74YrCancerDerived_Inh_FAH16to70	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
389	ALL	447956.8	3752662	6.22E-07	0.74YrCancerDerived_Inh_FAH16to70	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
601	ALL	448116.8	3752742	6.22E-07	0.74YrCancerDerived_Inh_FAH16to70	6.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
277	ALL	447756.8	3752622	6.21E-07	0.74YrCancerDerived_Inh_FAH16to70	6.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
276	ALL	447736.8	3752622	6.19E-07	0.74YrCancerDerived_Inh_FAH16to70	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
278	ALL	447776.8	3752622	6.19E-07	0.74YrCancerDerived_Inh_FAH16to70	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1098	ALL	448276.8	3753242	6.17E-07	0.74YrCancerDerived_Inh_FAH16to70	6.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
275	ALL	447716.8	3752622	6.16E-07	0.74YrCancerDerived_Inh_FAH16to70	6.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
279	ALL	447796.8	3752622	6.15E-07	0.74YrCancerDerived_Inh_FAH16to70	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
618	ALL	447436.8	3752762	6.14E-07	0.74YrCancerDerived_Inh_FAH16to70	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
726	ALL	448216.8	3752802	6.14E-07	0.74YrCancerDerived_Inh_FAH16to70	6.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1128	ALL	448196.8	3753282	6.12E-07	0.74YrCancerDerived_Inh_FAH16to70	6.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
736	ALL	447396.8	3752822	6.11E-07	0.74YrCancerDerived_Inh_FAH16to70	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
418	ALL	447516.8	3752682	6.11E-07	0.74YrCancerDerived_Inh_FAH16to70	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
654	ALL	448156.8	3752762	6.11E-07	0.74YrCancerDerived_Inh_FAH16to70	6.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
320	ALL	447596.8	3752642	6.10E-07	0.74YrCancerDerived_Inh_FAH16to70	6.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
274	ALL	447696.8	3752622	6.09E-07	0.74YrCancerDerived_Inh_FAH16to70	6.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
280	ALL	447816.8	3752622	6.08E-07	0.74YrCancerDerived_Inh_FAH16to70	6.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
797	ALL	447376.8	3752862	6.07E-07	0.74YrCancerDerived_Inh_FAH16to70	6.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1121	ALL	448056.8	3753282	6.05E-07	0.74YrCancerDerived_Inh_FAH16to70	6.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
336	ALL	447916.8	3752642	6.03E-07	0.74YrCancerDerived_Inh_FAH16to70	6.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
443	ALL	448016.8	3752682	6.02E-07	0.74YrCancerDerived_Inh_FAH16to70	6.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
496	ALL	448056.8	3752702	6.01E-07	0.74YrCancerDerived_Inh_FAH16to70	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
822	ALL	448296.8	3752862	6.01E-07	0.74YrCancerDerived_Inh_FAH16to70	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
273	ALL	447676.8	3752622	6.01E-07	0.74YrCancerDerived_Inh_FAH16to70	6.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
852	ALL	448316.8	3752882	6.00E-07	0.74YrCancerDerived_Inh_FAH16to70	6.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
281	ALL	447836.8	3752622	5.99E-07	0.74YrCancerDerived_Inh_FAH16to70	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1114	ALL	448256.8	3753262	5.98E-07	0.74YrCancerDerived_Inh_FAH16to70	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
668	ALL	447416.8	3752782	5.98E-07	0.74YrCancerDerived_Inh_FAH16to70	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
791	ALL	448276.8	3752842	5.98E-07	0.74YrCancerDerived_Inh_FAH16to70	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1067	ALL	448336.8	3753202	5.98E-07	0.74YrCancerDerived_Inh_FAH16to70	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1083	ALL	448316.8	3753222	5.97E-07	0.74YrCancerDerived_Inh_FAH16to70	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
390	ALL	447976.8	3752662	5.97E-07	0.74YrCancerDerived_Inh_FAH16to70	5.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
693	ALL	448196.8	3752782	5.96E-07	0.74YrCancerDerived_Inh_FAH16to70	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
549	ALL	448096.8	3752722	5.96E-07	0.74YrCancerDerived_Inh_FAH16to70	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1142	ALL	448136.8	3753302	5.96E-07	0.74YrCancerDerived_Inh_FAH16to70	5.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1141	ALL	448116.8	3753302	5.95E-07	0.74YrCancerDerived_Inh_FAH16to70	5.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
865	ALL	448336.8	3752902	5.93E-07	0.74YrCancerDerived_Inh_FAH16to70	5.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1129	ALL	448216.8	3753282	5.92E-07	0.74YrCancerDerived_Inh_FAH16to70	5.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
272	ALL	447656.8	3752622	5.91E-07	0.74YrCancerDerived_Inh_FAH16to70	5.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
759	ALL	448256.8	3752822	5.90E-07	0.74YrCancerDerived_Inh_FAH16to70	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
368	ALL	447536.8	3752662	5.90E-07	0.74YrCancerDerived_Inh_FAH16to70	5.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1099	ALL	448296.8	3753242	5.89E-07	0.74YrCancerDerived_Inh_FAH16to70	5.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
602	ALL	448136.8	3752742	5.88E-07	0.74YrCancerDerived_Inh_FAH16to70	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
282	ALL	447856.8	3752622	5.88E-07	0.74YrCancerDerived_Inh_FAH16to70	5.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
319	ALL	447576.8	3752642	5.87E-07	0.74YrCancerDerived_Inh_FAH16to70	5.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1143	ALL	448156.8	3753302	5.85E-07	0.74YrCancerDerived_Inh_FAH16to70	5.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
337	ALL	447936.8	3752642	5.83E-07	0.74YrCancerDerived_Inh_FAH16to70	5.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1140	ALL	448096.8	3753302	5.81E-07	0.74YrCancerDerived_Inh_FAH16to70	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
766	ALL	447376.8	3752842	5.81E-07	0.74YrCancerDerived_Inh_FAH16to70	5.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
517	ALL	447456.8	3752722	5.79E-07	0.74YrCancerDerived_Inh_FAH16to70	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
271	ALL	447636.8	3752622	5.79E-07	0.74YrCancerDerived_Inh_FAH16to70	5.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
467	ALL	447476.8	3752702	5.78E-07	0.74YrCancerDerived_Inh_FAH16to70	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
727	ALL	448236.8	3752802	5.78E-07	0.74YrCancerDerived_Inh_FAH16to70	5.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
704	ALL	447396.8	3752802	5.77E-07	0.74YrCancerDerived_Inh_FAH16to70	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
655	ALL	448176.8	3752762	5.77E-07	0.74YrCancerDerived_Inh_FAH16to70	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
283	ALL	447876.8	3752622	5.74E-07	0.74YrCancerDerived_Inh_FAH16to70	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
444	ALL	448036.8	3752682	5.74E-07	0.74YrCancerDerived_Inh_FAH16to70	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1115	ALL	448276.8	3753262	5.74E-07	0.74YrCancerDerived_Inh_FAH16to70	5.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1130	ALL	448236.8	3753282	5.72E-07	0.74YrCancerDerived_Inh_FAH16to70	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
567	ALL	447436.8	3752742	5.72E-07	0.74YrCancerDerived_Inh_FAH16to70	5.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
391	ALL	447996.8	3752662	5.71E-07	0.74YrCancerDerived_Inh_FAH16to70	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
497	ALL	448076.8	3752702	5.71E-07	0.74YrCancerDerived_Inh_FAH16to70	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1144	ALL	448176.8	3753302	5.71E-07	0.74YrCancerDerived_Inh_FAH16to70	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
417	ALL	447496.8	3752682	5.71E-07	0.74YrCancerDerived_Inh_FAH16to70	5.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1084	ALL	448336.8	3753222	5.68E-07	0.74YrCancerDerived_Inh_FAH16to70	5.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1120	ALL	448036.8	3753282	5.66E-07	0.74YrCancerDerived_Inh_FAH16to70	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
550	ALL	448116.8	3752722	5.65E-07	0.74YrCancerDerived_Inh_FAH16to70	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
826	ALL	447356.8	3752882	5.65E-07	0.74YrCancerDerived_Inh_FAH16to70	5.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
270	ALL	447616.8	3752622	5.64E-07	0.74YrCancerDerived_Inh_FAH16to70	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
823	ALL	448316.8	3752862	5.64E-07	0.74YrCancerDerived_Inh_FAH16to70	5.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
694	ALL	448216.8	3752782	5.63E-07	0.74YrCancerDerived_Inh_FAH16to70	5.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
853	ALL	448336.8	3752882	5.62E-07	0.74YrCancerDerived_Inh_FAH16to70	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1100	ALL	448316.8	3753242	5.62E-07	0.74YrCancerDerived_Inh_FAH16to70	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

338	ALL	447956.8	3752642	5.62E-07	0.74YrCancerDerived_Inh_FAH16to70	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
792	ALL	448296.8	3752842	5.62E-07	0.74YrCancerDerived_Inh_FAH16to70	5.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
318	ALL	447556.8	3752642	5.61E-07	0.74YrCancerDerived_Inh_FAH16to70	5.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
617	ALL	447416.8	3752762	5.60E-07	0.74YrCancerDerived_Inh_FAH16to70	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
284	ALL	447896.8	3752622	5.60E-07	0.74YrCancerDerived_Inh_FAH16to70	5.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
603	ALL	448156.8	3752742	5.57E-07	0.74YrCancerDerived_Inh_FAH16to70	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1145	ALL	448196.8	3753302	5.56E-07	0.74YrCancerDerived_Inh_FAH16to70	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
367	ALL	447516.8	3752662	5.56E-07	0.74YrCancerDerived_Inh_FAH16to70	5.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
760	ALL	448276.8	3752822	5.55E-07	0.74YrCancerDerived_Inh_FAH16to70	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1139	ALL	448076.8	3753302	5.55E-07	0.74YrCancerDerived_Inh_FAH16to70	5.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	447756.8	3752602	5.54E-07	0.74YrCancerDerived_Inh_FAH16to70	5.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
735	ALL	447376.8	3752822	5.53E-07	0.74YrCancerDerived_Inh_FAH16to70	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	447776.8	3752602	5.53E-07	0.74YrCancerDerived_Inh_FAH16to70	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	447736.8	3752602	5.53E-07	0.74YrCancerDerived_Inh_FAH16to70	5.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1131	ALL	448256.8	3753282	5.52E-07	0.74YrCancerDerived_Inh_FAH16to70	5.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1116	ALL	448296.8	3753262	5.50E-07	0.74YrCancerDerived_Inh_FAH16to70	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	447796.8	3752602	5.50E-07	0.74YrCancerDerived_Inh_FAH16to70	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	447716.8	3752602	5.50E-07	0.74YrCancerDerived_Inh_FAH16to70	5.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
269	ALL	447596.8	3752622	5.48E-07	0.74YrCancerDerived_Inh_FAH16to70	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
445	ALL	448056.8	3752682	5.47E-07	0.74YrCancerDerived_Inh_FAH16to70	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
392	ALL	448016.8	3752662	5.47E-07	0.74YrCancerDerived_Inh_FAH16to70	5.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
656	ALL	448196.8	3752762	5.46E-07	0.74YrCancerDerived_Inh_FAH16to70	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
796	ALL	447356.8	3752862	5.46E-07	0.74YrCancerDerived_Inh_FAH16to70	5.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
728	ALL	448256.8	3752802	5.45E-07	0.74YrCancerDerived_Inh_FAH16to70	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	447816.8	3752602	5.45E-07	0.74YrCancerDerived_Inh_FAH16to70	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	447696.8	3752602	5.45E-07	0.74YrCancerDerived_Inh_FAH16to70	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
667	ALL	447396.8	3752782	5.45E-07	0.74YrCancerDerived_Inh_FAH16to70	5.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
285	ALL	447916.8	3752622	5.44E-07	0.74YrCancerDerived_Inh_FAH16to70	5.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
498	ALL	448096.8	3752702	5.43E-07	0.74YrCancerDerived_Inh_FAH16to70	5.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1119	ALL	448016.8	3753282	5.42E-07	0.74YrCancerDerived_Inh_FAH16to70	5.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1146	ALL	448216.8	3753302	5.41E-07	0.74YrCancerDerived_Inh_FAH16to70	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
339	ALL	447976.8	3752642	5.41E-07	0.74YrCancerDerived_Inh_FAH16to70	5.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	447676.8	3752602	5.38E-07	0.74YrCancerDerived_Inh_FAH16to70	5.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	447836.8	3752602	5.37E-07	0.74YrCancerDerived_Inh_FAH16to70	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1101	ALL	448336.8	3753242	5.37E-07	0.74YrCancerDerived_Inh_FAH16to70	5.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
551	ALL	448136.8	3752722	5.36E-07	0.74YrCancerDerived_Inh_FAH16to70	5.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
466	ALL	447456.8	3752702	5.35E-07	0.74YrCancerDerived_Inh_FAH16to70	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
317	ALL	447536.8	3752642	5.35E-07	0.74YrCancerDerived_Inh_FAH16to70	5.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1159	ALL	448136.8	3753322	5.33E-07	0.74YrCancerDerived_Inh_FAH16to70	5.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
516	ALL	447436.8	3752722	5.32E-07	0.74YrCancerDerived_Inh_FAH16to70	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1132	ALL	448276.8	3753282	5.32E-07	0.74YrCancerDerived_Inh_FAH16to70	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
695	ALL	448236.8	3752782	5.32E-07	0.74YrCancerDerived_Inh_FAH16to70	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
416	ALL	447476.8	3752682	5.32E-07	0.74YrCancerDerived_Inh_FAH16to70	5.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
824	ALL	448336.8	3752862	5.30E-07	0.74YrCancerDerived_Inh_FAH16to70	5.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
268	ALL	447576.8	3752622	5.29E-07	0.74YrCancerDerived_Inh_FAH16to70	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	447656.8	3752602	5.29E-07	0.74YrCancerDerived_Inh_FAH16to70	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
793	ALL	448316.8	3752842	5.29E-07	0.74YrCancerDerived_Inh_FAH16to70	5.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	447856.8	3752602	5.28E-07	0.74YrCancerDerived_Inh_FAH16to70	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
604	ALL	448176.8	3752742	5.28E-07	0.74YrCancerDerived_Inh_FAH16to70	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1117	ALL	448316.8	3753262	5.27E-07	0.74YrCancerDerived_Inh_FAH16to70	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
286	ALL	447936.8	3752622	5.27E-07	0.74YrCancerDerived_Inh_FAH16to70	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1160	ALL	448156.8	3753322	5.27E-07	0.74YrCancerDerived_Inh_FAH16to70	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
703	ALL	447376.8	3752802	5.26E-07	0.74YrCancerDerived_Inh_FAH16to70	5.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1147	ALL	448236.8	3753302	5.25E-07	0.74YrCancerDerived_Inh_FAH16to70	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
765	ALL	447356.8	3752842	5.25E-07	0.74YrCancerDerived_Inh_FAH16to70	5.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

566	ALL	447416.8	3752742	5.24E-07	0.74YrCancerDerived_Inh_FAH16to70	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
761	ALL	448296.8	3752822	5.24E-07	0.74YrCancerDerived_Inh_FAH16to70	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1158	ALL	448116.8	3753322	5.23E-07	0.74YrCancerDerived_Inh_FAH16to70	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
393	ALL	448036.8	3752662	5.23E-07	0.74YrCancerDerived_Inh_FAH16to70	5.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
366	ALL	447496.8	3752662	5.22E-07	0.74YrCancerDerived_Inh_FAH16to70	5.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
446	ALL	448076.8	3752682	5.21E-07	0.74YrCancerDerived_Inh_FAH16to70	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
340	ALL	447996.8	3752642	5.19E-07	0.74YrCancerDerived_Inh_FAH16to70	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	447636.8	3752602	5.19E-07	0.74YrCancerDerived_Inh_FAH16to70	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	447876.8	3752602	5.18E-07	0.74YrCancerDerived_Inh_FAH16to70	5.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
657	ALL	448216.8	3752762	5.17E-07	0.74YrCancerDerived_Inh_FAH16to70	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1161	ALL	448176.8	3753322	5.17E-07	0.74YrCancerDerived_Inh_FAH16to70	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
499	ALL	448116.8	3752702	5.16E-07	0.74YrCancerDerived_Inh_FAH16to70	5.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
729	ALL	448276.8	3752802	5.15E-07	0.74YrCancerDerived_Inh_FAH16to70	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1133	ALL	448296.8	3753282	5.13E-07	0.74YrCancerDerived_Inh_FAH16to70	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
616	ALL	447396.8	3752762	5.13E-07	0.74YrCancerDerived_Inh_FAH16to70	5.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1138	ALL	448056.8	3753302	5.12E-07	0.74YrCancerDerived_Inh_FAH16to70	5.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
287	ALL	447956.8	3752622	5.10E-07	0.74YrCancerDerived_Inh_FAH16to70	5.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
825	ALL	447336.8	3752882	5.09E-07	0.74YrCancerDerived_Inh_FAH16to70	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
552	ALL	448156.8	3752722	5.09E-07	0.74YrCancerDerived_Inh_FAH16to70	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1148	ALL	448256.8	3753302	5.09E-07	0.74YrCancerDerived_Inh_FAH16to70	5.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
267	ALL	447556.8	3752622	5.08E-07	0.74YrCancerDerived_Inh_FAH16to70	5.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	447616.8	3752602	5.07E-07	0.74YrCancerDerived_Inh_FAH16to70	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
316	ALL	447516.8	3752642	5.07E-07	0.74YrCancerDerived_Inh_FAH16to70	5.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	447896.8	3752602	5.06E-07	0.74YrCancerDerived_Inh_FAH16to70	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1162	ALL	448196.8	3753322	5.06E-07	0.74YrCancerDerived_Inh_FAH16to70	5.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1118	ALL	448336.8	3753262	5.05E-07	0.74YrCancerDerived_Inh_FAH16to70	5.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
696	ALL	448256.8	3752782	5.04E-07	0.74YrCancerDerived_Inh_FAH16to70	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
734	ALL	447356.8	3752822	5.03E-07	0.74YrCancerDerived_Inh_FAH16to70	5.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1157	ALL	448096.8	3753322	5.02E-07	0.74YrCancerDerived_Inh_FAH16to70	5.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
605	ALL	448196.8	3752742	5.01E-07	0.74YrCancerDerived_Inh_FAH16to70	5.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
394	ALL	448056.8	3752662	4.99E-07	0.74YrCancerDerived_Inh_FAH16to70	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
794	ALL	448336.8	3752842	4.99E-07	0.74YrCancerDerived_Inh_FAH16to70	4.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
341	ALL	448016.8	3752642	4.98E-07	0.74YrCancerDerived_Inh_FAH16to70	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
666	ALL	447376.8	3752782	4.98E-07	0.74YrCancerDerived_Inh_FAH16to70	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	447756.8	3752582	4.98E-07	0.74YrCancerDerived_Inh_FAH16to70	4.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	447776.8	3752582	4.97E-07	0.74YrCancerDerived_Inh_FAH16to70	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	447736.8	3752582	4.97E-07	0.74YrCancerDerived_Inh_FAH16to70	4.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
447	ALL	448096.8	3752682	4.96E-07	0.74YrCancerDerived_Inh_FAH16to70	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
465	ALL	447436.8	3752702	4.96E-07	0.74YrCancerDerived_Inh_FAH16to70	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
415	ALL	447456.8	3752682	4.96E-07	0.74YrCancerDerived_Inh_FAH16to70	4.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	447796.8	3752582	4.95E-07	0.74YrCancerDerived_Inh_FAH16to70	4.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
762	ALL	448316.8	3752822	4.94E-07	0.74YrCancerDerived_Inh_FAH16to70	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	447596.8	3752602	4.94E-07	0.74YrCancerDerived_Inh_FAH16to70	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	447716.8	3752582	4.94E-07	0.74YrCancerDerived_Inh_FAH16to70	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1163	ALL	448216.8	3753322	4.94E-07	0.74YrCancerDerived_Inh_FAH16to70	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
795	ALL	447336.8	3752862	4.94E-07	0.74YrCancerDerived_Inh_FAH16to70	4.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1134	ALL	448316.8	3753282	4.93E-07	0.74YrCancerDerived_Inh_FAH16to70	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	447916.8	3752602	4.93E-07	0.74YrCancerDerived_Inh_FAH16to70	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1149	ALL	448276.8	3753302	4.93E-07	0.74YrCancerDerived_Inh_FAH16to70	4.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
288	ALL	447976.8	3752622	4.92E-07	0.74YrCancerDerived_Inh_FAH16to70	4.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
500	ALL	448136.8	3752702	4.91E-07	0.74YrCancerDerived_Inh_FAH16to70	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	447816.8	3752582	4.90E-07	0.74YrCancerDerived_Inh_FAH16to70	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
515	ALL	447416.8	3752722	4.90E-07	0.74YrCancerDerived_Inh_FAH16to70	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
658	ALL	448236.8	3752762	4.90E-07	0.74YrCancerDerived_Inh_FAH16to70	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
365	ALL	447476.8	3752662	4.90E-07	0.74YrCancerDerived_Inh_FAH16to70	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

172	ALL	447696.8	3752582	4.90E-07	0.74YrCancerDerived_Inh_FAH16to70	4.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
730	ALL	448296.8	3752802	4.87E-07	0.74YrCancerDerived_Inh_FAH16to70	4.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
266	ALL	447536.8	3752622	4.86E-07	0.74YrCancerDerived_Inh_FAH16to70	4.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	447836.8	3752582	4.85E-07	0.74YrCancerDerived_Inh_FAH16to70	4.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	447676.8	3752582	4.84E-07	0.74YrCancerDerived_Inh_FAH16to70	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
553	ALL	448176.8	3752722	4.84E-07	0.74YrCancerDerived_Inh_FAH16to70	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
565	ALL	447396.8	3752742	4.82E-07	0.74YrCancerDerived_Inh_FAH16to70	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1164	ALL	448236.8	3753322	4.82E-07	0.74YrCancerDerived_Inh_FAH16to70	4.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1137	ALL	448036.8	3753302	4.80E-07	0.74YrCancerDerived_Inh_FAH16to70	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
702	ALL	447356.8	3752802	4.80E-07	0.74YrCancerDerived_Inh_FAH16to70	4.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	447936.8	3752602	4.79E-07	0.74YrCancerDerived_Inh_FAH16to70	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1176	ALL	448136.8	3753342	4.79E-07	0.74YrCancerDerived_Inh_FAH16to70	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	447576.8	3752602	4.79E-07	0.74YrCancerDerived_Inh_FAH16to70	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
315	ALL	447496.8	3752642	4.79E-07	0.74YrCancerDerived_Inh_FAH16to70	4.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
342	ALL	448036.8	3752642	4.78E-07	0.74YrCancerDerived_Inh_FAH16to70	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	447856.8	3752582	4.78E-07	0.74YrCancerDerived_Inh_FAH16to70	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
697	ALL	448276.8	3752782	4.77E-07	0.74YrCancerDerived_Inh_FAH16to70	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
395	ALL	448076.8	3752662	4.77E-07	0.74YrCancerDerived_Inh_FAH16to70	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
764	ALL	447336.8	3752842	4.77E-07	0.74YrCancerDerived_Inh_FAH16to70	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	447656.8	3752582	4.77E-07	0.74YrCancerDerived_Inh_FAH16to70	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1150	ALL	448296.8	3753302	4.77E-07	0.74YrCancerDerived_Inh_FAH16to70	4.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1177	ALL	448156.8	3753342	4.76E-07	0.74YrCancerDerived_Inh_FAH16to70	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
606	ALL	448216.8	3752742	4.76E-07	0.74YrCancerDerived_Inh_FAH16to70	4.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1135	ALL	448336.8	3753282	4.75E-07	0.74YrCancerDerived_Inh_FAH16to70	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
289	ALL	447996.8	3752622	4.74E-07	0.74YrCancerDerived_Inh_FAH16to70	4.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
448	ALL	448116.8	3752682	4.73E-07	0.74YrCancerDerived_Inh_FAH16to70	4.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1156	ALL	448076.8	3753322	4.71E-07	0.74YrCancerDerived_Inh_FAH16to70	4.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
615	ALL	447376.8	3752762	4.70E-07	0.74YrCancerDerived_Inh_FAH16to70	4.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	447876.8	3752582	4.69E-07	0.74YrCancerDerived_Inh_FAH16to70	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1165	ALL	448256.8	3753322	4.69E-07	0.74YrCancerDerived_Inh_FAH16to70	4.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1178	ALL	448176.8	3753342	4.68E-07	0.74YrCancerDerived_Inh_FAH16to70	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1175	ALL	448116.8	3753342	4.68E-07	0.74YrCancerDerived_Inh_FAH16to70	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	447636.8	3752582	4.68E-07	0.74YrCancerDerived_Inh_FAH16to70	4.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
763	ALL	448336.8	3752822	4.67E-07	0.74YrCancerDerived_Inh_FAH16to70	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
501	ALL	448156.8	3752702	4.67E-07	0.74YrCancerDerived_Inh_FAH16to70	4.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1136	ALL	448016.8	3753302	4.66E-07	0.74YrCancerDerived_Inh_FAH16to70	4.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
659	ALL	448256.8	3752762	4.65E-07	0.74YrCancerDerived_Inh_FAH16to70	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	447956.8	3752602	4.65E-07	0.74YrCancerDerived_Inh_FAH16to70	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
265	ALL	447516.8	3752622	4.63E-07	0.74YrCancerDerived_Inh_FAH16to70	4.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	447556.8	3752602	4.62E-07	0.74YrCancerDerived_Inh_FAH16to70	4.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
414	ALL	447436.8	3752682	4.61E-07	0.74YrCancerDerived_Inh_FAH16to70	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
731	ALL	448316.8	3752802	4.61E-07	0.74YrCancerDerived_Inh_FAH16to70	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1151	ALL	448316.8	3753302	4.61E-07	0.74YrCancerDerived_Inh_FAH16to70	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
554	ALL	448196.8	3752722	4.60E-07	0.74YrCancerDerived_Inh_FAH16to70	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1179	ALL	448196.8	3753342	4.60E-07	0.74YrCancerDerived_Inh_FAH16to70	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	447896.8	3752582	4.60E-07	0.74YrCancerDerived_Inh_FAH16to70	4.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
364	ALL	447456.8	3752662	4.59E-07	0.74YrCancerDerived_Inh_FAH16to70	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
464	ALL	447416.8	3752702	4.59E-07	0.74YrCancerDerived_Inh_FAH16to70	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	447616.8	3752582	4.59E-07	0.74YrCancerDerived_Inh_FAH16to70	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
733	ALL	447336.8	3752822	4.59E-07	0.74YrCancerDerived_Inh_FAH16to70	4.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
343	ALL	448056.8	3752642	4.58E-07	0.74YrCancerDerived_Inh_FAH16to70	4.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
665	ALL	447356.8	3752782	4.56E-07	0.74YrCancerDerived_Inh_FAH16to70	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
290	ALL	448016.8	3752622	4.56E-07	0.74YrCancerDerived_Inh_FAH16to70	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1166	ALL	448276.8	3753322	4.56E-07	0.74YrCancerDerived_Inh_FAH16to70	4.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
396	ALL	448096.8	3752662	4.55E-07	0.74YrCancerDerived_Inh_FAH16to70	4.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

514	ALL	447396.8	3752722	4.53E-07	0.74YrCancerDerived_Inh_FAH16to70	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
698	ALL	448296.8	3752782	4.53E-07	0.74YrCancerDerived_Inh_FAH16to70	4.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
607	ALL	448236.8	3752742	4.52E-07	0.74YrCancerDerived_Inh_FAH16to70	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
314	ALL	447476.8	3752642	4.52E-07	0.74YrCancerDerived_Inh_FAH16to70	4.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1180	ALL	448216.8	3753342	4.51E-07	0.74YrCancerDerived_Inh_FAH16to70	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
449	ALL	448136.8	3752682	4.51E-07	0.74YrCancerDerived_Inh_FAH16to70	4.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	447756.8	3752562	4.50E-07	0.74YrCancerDerived_Inh_FAH16to70	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	447976.8	3752602	4.50E-07	0.74YrCancerDerived_Inh_FAH16to70	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	447776.8	3752562	4.49E-07	0.74YrCancerDerived_Inh_FAH16to70	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	447916.8	3752582	4.49E-07	0.74YrCancerDerived_Inh_FAH16to70	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	447736.8	3752562	4.49E-07	0.74YrCancerDerived_Inh_FAH16to70	4.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	447596.8	3752582	4.48E-07	0.74YrCancerDerived_Inh_FAH16to70	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	447796.8	3752562	4.47E-07	0.74YrCancerDerived_Inh_FAH16to70	4.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	447716.8	3752562	4.46E-07	0.74YrCancerDerived_Inh_FAH16to70	4.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
502	ALL	448176.8	3752702	4.45E-07	0.74YrCancerDerived_Inh_FAH16to70	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1152	ALL	448336.8	3753302	4.45E-07	0.74YrCancerDerived_Inh_FAH16to70	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1174	ALL	448096.8	3753342	4.45E-07	0.74YrCancerDerived_Inh_FAH16to70	4.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	447816.8	3752562	4.44E-07	0.74YrCancerDerived_Inh_FAH16to70	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
564	ALL	447376.8	3752742	4.44E-07	0.74YrCancerDerived_Inh_FAH16to70	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	447536.8	3752602	4.44E-07	0.74YrCancerDerived_Inh_FAH16to70	4.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	447696.8	3752562	4.43E-07	0.74YrCancerDerived_Inh_FAH16to70	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1167	ALL	448296.8	3753322	4.42E-07	0.74YrCancerDerived_Inh_FAH16to70	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
660	ALL	448276.8	3752762	4.42E-07	0.74YrCancerDerived_Inh_FAH16to70	4.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1181	ALL	448236.8	3753342	4.41E-07	0.74YrCancerDerived_Inh_FAH16to70	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1155	ALL	448056.8	3753322	4.41E-07	0.74YrCancerDerived_Inh_FAH16to70	4.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
264	ALL	447496.8	3752622	4.40E-07	0.74YrCancerDerived_Inh_FAH16to70	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	ALL	447836.8	3752562	4.40E-07	0.74YrCancerDerived_Inh_FAH16to70	4.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
701	ALL	447336.8	3752802	4.39E-07	0.74YrCancerDerived_Inh_FAH16to70	4.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
291	ALL	448036.8	3752622	4.38E-07	0.74YrCancerDerived_Inh_FAH16to70	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
555	ALL	448216.8	3752722	4.38E-07	0.74YrCancerDerived_Inh_FAH16to70	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
344	ALL	448076.8	3752642	4.38E-07	0.74YrCancerDerived_Inh_FAH16to70	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL	447676.8	3752562	4.38E-07	0.74YrCancerDerived_Inh_FAH16to70	4.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	447936.8	3752582	4.37E-07	0.74YrCancerDerived_Inh_FAH16to70	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
732	ALL	448336.8	3752802	4.37E-07	0.74YrCancerDerived_Inh_FAH16to70	4.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	447576.8	3752582	4.35E-07	0.74YrCancerDerived_Inh_FAH16to70	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
397	ALL	448116.8	3752662	4.35E-07	0.74YrCancerDerived_Inh_FAH16to70	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	447996.8	3752602	4.34E-07	0.74YrCancerDerived_Inh_FAH16to70	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	447856.8	3752562	4.34E-07	0.74YrCancerDerived_Inh_FAH16to70	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1193	ALL	448136.8	3753362	4.33E-07	0.74YrCancerDerived_Inh_FAH16to70	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
614	ALL	447356.8	3752762	4.33E-07	0.74YrCancerDerived_Inh_FAH16to70	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL	447656.8	3752562	4.32E-07	0.74YrCancerDerived_Inh_FAH16to70	4.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1182	ALL	448256.8	3753342	4.31E-07	0.74YrCancerDerived_Inh_FAH16to70	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1194	ALL	448156.8	3753362	4.31E-07	0.74YrCancerDerived_Inh_FAH16to70	4.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
608	ALL	448256.8	3752742	4.30E-07	0.74YrCancerDerived_Inh_FAH16to70	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
450	ALL	448156.8	3752682	4.30E-07	0.74YrCancerDerived_Inh_FAH16to70	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
363	ALL	447436.8	3752662	4.30E-07	0.74YrCancerDerived_Inh_FAH16to70	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
699	ALL	448316.8	3752782	4.30E-07	0.74YrCancerDerived_Inh_FAH16to70	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
413	ALL	447416.8	3752682	4.30E-07	0.74YrCancerDerived_Inh_FAH16to70	4.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1168	ALL	448316.8	3753322	4.29E-07	0.74YrCancerDerived_Inh_FAH16to70	4.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	447876.8	3752562	4.27E-07	0.74YrCancerDerived_Inh_FAH16to70	4.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
463	ALL	447396.8	3752702	4.26E-07	0.74YrCancerDerived_Inh_FAH16to70	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1192	ALL	448116.8	3753362	4.26E-07	0.74YrCancerDerived_Inh_FAH16to70	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
313	ALL	447456.8	3752642	4.26E-07	0.74YrCancerDerived_Inh_FAH16to70	4.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1195	ALL	448176.8	3753362	4.25E-07	0.74YrCancerDerived_Inh_FAH16to70	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	447956.8	3752582	4.25E-07	0.74YrCancerDerived_Inh_FAH16to70	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

118	ALL	447636.8	3752562	4.25E-07	0.74YrCancerDerived_Inh_FAH16to70	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	447516.8	3752602	4.25E-07	0.74YrCancerDerived_Inh_FAH16to70	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
503	ALL	448196.8	3752702	4.25E-07	0.74YrCancerDerived_Inh_FAH16to70	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1154	ALL	448036.8	3753322	4.22E-07	0.74YrCancerDerived_Inh_FAH16to70	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	447556.8	3752582	4.22E-07	0.74YrCancerDerived_Inh_FAH16to70	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
292	ALL	448056.8	3752622	4.21E-07	0.74YrCancerDerived_Inh_FAH16to70	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1183	ALL	448276.8	3753342	4.21E-07	0.74YrCancerDerived_Inh_FAH16to70	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
661	ALL	448296.8	3752762	4.21E-07	0.74YrCancerDerived_Inh_FAH16to70	4.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
513	ALL	447376.8	3752722	4.20E-07	0.74YrCancerDerived_Inh_FAH16to70	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
345	ALL	448096.8	3752642	4.20E-07	0.74YrCancerDerived_Inh_FAH16to70	4.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	447896.8	3752562	4.19E-07	0.74YrCancerDerived_Inh_FAH16to70	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
664	ALL	447336.8	3752782	4.19E-07	0.74YrCancerDerived_Inh_FAH16to70	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1196	ALL	448196.8	3753362	4.19E-07	0.74YrCancerDerived_Inh_FAH16to70	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	448016.8	3752602	4.19E-07	0.74YrCancerDerived_Inh_FAH16to70	4.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
556	ALL	448236.8	3752722	4.18E-07	0.74YrCancerDerived_Inh_FAH16to70	4.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
263	ALL	447476.8	3752622	4.17E-07	0.74YrCancerDerived_Inh_FAH16to70	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL	447616.8	3752562	4.17E-07	0.74YrCancerDerived_Inh_FAH16to70	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1153	ALL	448016.8	3753322	4.17E-07	0.74YrCancerDerived_Inh_FAH16to70	4.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1173	ALL	448076.8	3753342	4.16E-07	0.74YrCancerDerived_Inh_FAH16to70	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
398	ALL	448136.8	3752662	4.16E-07	0.74YrCancerDerived_Inh_FAH16to70	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1169	ALL	448336.8	3753322	4.16E-07	0.74YrCancerDerived_Inh_FAH16to70	4.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	447976.8	3752582	4.12E-07	0.74YrCancerDerived_Inh_FAH16to70	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1197	ALL	448216.8	3753362	4.12E-07	0.74YrCancerDerived_Inh_FAH16to70	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1191	ALL	448096.8	3753362	4.12E-07	0.74YrCancerDerived_Inh_FAH16to70	4.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
451	ALL	448176.8	3752682	4.11E-07	0.74YrCancerDerived_Inh_FAH16to70	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	447916.8	3752562	4.11E-07	0.74YrCancerDerived_Inh_FAH16to70	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
563	ALL	447356.8	3752742	4.11E-07	0.74YrCancerDerived_Inh_FAH16to70	4.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1184	ALL	448296.8	3753342	4.10E-07	0.74YrCancerDerived_Inh_FAH16to70	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
609	ALL	448276.8	3752742	4.10E-07	0.74YrCancerDerived_Inh_FAH16to70	4.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
700	ALL	448336.8	3752782	4.09E-07	0.74YrCancerDerived_Inh_FAH16to70	4.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	447756.8	3752542	4.08E-07	0.74YrCancerDerived_Inh_FAH16to70	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	447776.8	3752542	4.08E-07	0.74YrCancerDerived_Inh_FAH16to70	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL	447596.8	3752562	4.08E-07	0.74YrCancerDerived_Inh_FAH16to70	4.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	447736.8	3752542	4.07E-07	0.74YrCancerDerived_Inh_FAH16to70	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	447796.8	3752542	4.07E-07	0.74YrCancerDerived_Inh_FAH16to70	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	447536.8	3752582	4.07E-07	0.74YrCancerDerived_Inh_FAH16to70	4.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	447496.8	3752602	4.05E-07	0.74YrCancerDerived_Inh_FAH16to70	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	447716.8	3752542	4.05E-07	0.74YrCancerDerived_Inh_FAH16to70	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
504	ALL	448216.8	3752702	4.05E-07	0.74YrCancerDerived_Inh_FAH16to70	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	447816.8	3752542	4.05E-07	0.74YrCancerDerived_Inh_FAH16to70	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1198	ALL	448236.8	3753362	4.05E-07	0.74YrCancerDerived_Inh_FAH16to70	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
293	ALL	448076.8	3752622	4.04E-07	0.74YrCancerDerived_Inh_FAH16to70	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	448036.8	3752602	4.04E-07	0.74YrCancerDerived_Inh_FAH16to70	4.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
362	ALL	447416.8	3752662	4.03E-07	0.74YrCancerDerived_Inh_FAH16to70	4.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL	447696.8	3752542	4.02E-07	0.74YrCancerDerived_Inh_FAH16to70	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
346	ALL	448116.8	3752642	4.02E-07	0.74YrCancerDerived_Inh_FAH16to70	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	447836.8	3752542	4.01E-07	0.74YrCancerDerived_Inh_FAH16to70	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
412	ALL	447396.8	3752682	4.01E-07	0.74YrCancerDerived_Inh_FAH16to70	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	447936.8	3752562	4.01E-07	0.74YrCancerDerived_Inh_FAH16to70	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
312	ALL	447436.8	3752642	4.01E-07	0.74YrCancerDerived_Inh_FAH16to70	4.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
662	ALL	448316.8	3752762	4.00E-07	0.74YrCancerDerived_Inh_FAH16to70	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
613	ALL	447336.8	3752762	4.00E-07	0.74YrCancerDerived_Inh_FAH16to70	4.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	447996.8	3752582	3.99E-07	0.74YrCancerDerived_Inh_FAH16to70	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1185	ALL	448316.8	3753342	3.99E-07	0.74YrCancerDerived_Inh_FAH16to70	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
557	ALL	448256.8	3752722	3.99E-07	0.74YrCancerDerived_Inh_FAH16to70	3.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

69	ALL	447676.8	3752542	3.98E-07	0.74YrCancerDerived_Inh_FAH16to70	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1172	ALL	448056.8	3753342	3.98E-07	0.74YrCancerDerived_Inh_FAH16to70	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL	447576.8	3752562	3.98E-07	0.74YrCancerDerived_Inh_FAH16to70	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
399	ALL	448156.8	3752662	3.98E-07	0.74YrCancerDerived_Inh_FAH16to70	3.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1199	ALL	448256.8	3753362	3.97E-07	0.74YrCancerDerived_Inh_FAH16to70	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	447856.8	3752542	3.97E-07	0.74YrCancerDerived_Inh_FAH16to70	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
462	ALL	447376.8	3752702	3.97E-07	0.74YrCancerDerived_Inh_FAH16to70	3.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
262	ALL	447456.8	3752622	3.95E-07	0.74YrCancerDerived_Inh_FAH16to70	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1171	ALL	448036.8	3753342	3.95E-07	0.74YrCancerDerived_Inh_FAH16to70	3.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1190	ALL	448076.8	3753362	3.94E-07	0.74YrCancerDerived_Inh_FAH16to70	3.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1210	ALL	448136.8	3753382	3.93E-07	0.74YrCancerDerived_Inh_FAH16to70	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL	447656.8	3752542	3.93E-07	0.74YrCancerDerived_Inh_FAH16to70	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1170	ALL	448016.8	3753342	3.93E-07	0.74YrCancerDerived_Inh_FAH16to70	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
452	ALL	448196.8	3752682	3.93E-07	0.74YrCancerDerived_Inh_FAH16to70	3.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1211	ALL	448156.8	3753382	3.91E-07	0.74YrCancerDerived_Inh_FAH16to70	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
610	ALL	448296.8	3752742	3.91E-07	0.74YrCancerDerived_Inh_FAH16to70	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	447876.8	3752542	3.91E-07	0.74YrCancerDerived_Inh_FAH16to70	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	447516.8	3752582	3.91E-07	0.74YrCancerDerived_Inh_FAH16to70	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1209	ALL	448116.8	3753382	3.91E-07	0.74YrCancerDerived_Inh_FAH16to70	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	447956.8	3752562	3.91E-07	0.74YrCancerDerived_Inh_FAH16to70	3.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
512	ALL	447356.8	3752722	3.90E-07	0.74YrCancerDerived_Inh_FAH16to70	3.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	448056.8	3752602	3.89E-07	0.74YrCancerDerived_Inh_FAH16to70	3.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1200	ALL	448276.8	3753362	3.88E-07	0.74YrCancerDerived_Inh_FAH16to70	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1186	ALL	448336.8	3753342	3.88E-07	0.74YrCancerDerived_Inh_FAH16to70	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
294	ALL	448096.8	3752622	3.88E-07	0.74YrCancerDerived_Inh_FAH16to70	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL	447636.8	3752542	3.87E-07	0.74YrCancerDerived_Inh_FAH16to70	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1212	ALL	448176.8	3753382	3.87E-07	0.74YrCancerDerived_Inh_FAH16to70	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
505	ALL	448236.8	3752702	3.87E-07	0.74YrCancerDerived_Inh_FAH16to70	3.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	447476.8	3752602	3.86E-07	0.74YrCancerDerived_Inh_FAH16to70	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	448016.8	3752582	3.86E-07	0.74YrCancerDerived_Inh_FAH16to70	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL	447556.8	3752562	3.86E-07	0.74YrCancerDerived_Inh_FAH16to70	3.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
347	ALL	448136.8	3752642	3.85E-07	0.74YrCancerDerived_Inh_FAH16to70	3.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	447896.8	3752542	3.84E-07	0.74YrCancerDerived_Inh_FAH16to70	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1208	ALL	448096.8	3753382	3.84E-07	0.74YrCancerDerived_Inh_FAH16to70	3.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1213	ALL	448196.8	3753382	3.82E-07	0.74YrCancerDerived_Inh_FAH16to70	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
663	ALL	448336.8	3752762	3.82E-07	0.74YrCancerDerived_Inh_FAH16to70	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1189	ALL	448056.8	3753362	3.81E-07	0.74YrCancerDerived_Inh_FAH16to70	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
558	ALL	448276.8	3752722	3.81E-07	0.74YrCancerDerived_Inh_FAH16to70	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL	447616.8	3752542	3.81E-07	0.74YrCancerDerived_Inh_FAH16to70	3.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
400	ALL	448176.8	3752662	3.80E-07	0.74YrCancerDerived_Inh_FAH16to70	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
562	ALL	447336.8	3752742	3.80E-07	0.74YrCancerDerived_Inh_FAH16to70	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1201	ALL	448296.8	3753362	3.80E-07	0.74YrCancerDerived_Inh_FAH16to70	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	447976.8	3752562	3.80E-07	0.74YrCancerDerived_Inh_FAH16to70	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
361	ALL	447396.8	3752662	3.78E-07	0.74YrCancerDerived_Inh_FAH16to70	3.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1188	ALL	448036.8	3753362	3.77E-07	0.74YrCancerDerived_Inh_FAH16to70	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1214	ALL	448216.8	3753382	3.77E-07	0.74YrCancerDerived_Inh_FAH16to70	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
311	ALL	447416.8	3752642	3.77E-07	0.74YrCancerDerived_Inh_FAH16to70	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	447916.8	3752542	3.77E-07	0.74YrCancerDerived_Inh_FAH16to70	3.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
453	ALL	448216.8	3752682	3.76E-07	0.74YrCancerDerived_Inh_FAH16to70	3.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1207	ALL	448076.8	3753382	3.75E-07	0.74YrCancerDerived_Inh_FAH16to70	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
411	ALL	447376.8	3752682	3.75E-07	0.74YrCancerDerived_Inh_FAH16to70	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	447496.8	3752582	3.75E-07	0.74YrCancerDerived_Inh_FAH16to70	3.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	448076.8	3752602	3.74E-07	0.74YrCancerDerived_Inh_FAH16to70	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	447536.8	3752562	3.74E-07	0.74YrCancerDerived_Inh_FAH16to70	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
261	ALL	447436.8	3752622	3.74E-07	0.74YrCancerDerived_Inh_FAH16to70	3.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1187	ALL	448016.8	3753362	3.73E-07	0.74YrCancerDerived_Inh_FAH16to70	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
611	ALL	448316.8	3752742	3.73E-07	0.74YrCancerDerived_Inh_FAH16to70	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	448036.8	3752582	3.73E-07	0.74YrCancerDerived_Inh_FAH16to70	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL	447776.8	3752522	3.73E-07	0.74YrCancerDerived_Inh_FAH16to70	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL	447596.8	3752542	3.73E-07	0.74YrCancerDerived_Inh_FAH16to70	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL	447756.8	3752522	3.73E-07	0.74YrCancerDerived_Inh_FAH16to70	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL	447796.8	3752522	3.72E-07	0.74YrCancerDerived_Inh_FAH16to70	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
295	ALL	448116.8	3752622	3.72E-07	0.74YrCancerDerived_Inh_FAH16to70	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL	447736.8	3752522	3.72E-07	0.74YrCancerDerived_Inh_FAH16to70	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1215	ALL	448236.8	3753382	3.72E-07	0.74YrCancerDerived_Inh_FAH16to70	3.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1202	ALL	448316.8	3753362	3.71E-07	0.74YrCancerDerived_Inh_FAH16to70	3.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	ALL	447816.8	3752522	3.70E-07	0.74YrCancerDerived_Inh_FAH16to70	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
506	ALL	448256.8	3752702	3.70E-07	0.74YrCancerDerived_Inh_FAH16to70	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL	447716.8	3752522	3.70E-07	0.74YrCancerDerived_Inh_FAH16to70	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
461	ALL	447356.8	3752702	3.70E-07	0.74YrCancerDerived_Inh_FAH16to70	3.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	447936.8	3752542	3.69E-07	0.74YrCancerDerived_Inh_FAH16to70	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	447996.8	3752562	3.69E-07	0.74YrCancerDerived_Inh_FAH16to70	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
348	ALL	448156.8	3752642	3.69E-07	0.74YrCancerDerived_Inh_FAH16to70	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL	447836.8	3752522	3.68E-07	0.74YrCancerDerived_Inh_FAH16to70	3.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	447456.8	3752602	3.67E-07	0.74YrCancerDerived_Inh_FAH16to70	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL	447696.8	3752522	3.67E-07	0.74YrCancerDerived_Inh_FAH16to70	3.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1206	ALL	448056.8	3753382	3.66E-07	0.74YrCancerDerived_Inh_FAH16to70	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1216	ALL	448256.8	3753382	3.65E-07	0.74YrCancerDerived_Inh_FAH16to70	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL	447576.8	3752542	3.65E-07	0.74YrCancerDerived_Inh_FAH16to70	3.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
401	ALL	448196.8	3752662	3.64E-07	0.74YrCancerDerived_Inh_FAH16to70	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
559	ALL	448296.8	3752722	3.64E-07	0.74YrCancerDerived_Inh_FAH16to70	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL	447856.8	3752522	3.64E-07	0.74YrCancerDerived_Inh_FAH16to70	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL	447676.8	3752522	3.64E-07	0.74YrCancerDerived_Inh_FAH16to70	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
511	ALL	447336.8	3752722	3.62E-07	0.74YrCancerDerived_Inh_FAH16to70	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1203	ALL	448336.8	3753362	3.62E-07	0.74YrCancerDerived_Inh_FAH16to70	3.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	447516.8	3752562	3.61E-07	0.74YrCancerDerived_Inh_FAH16to70	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	447956.8	3752542	3.60E-07	0.74YrCancerDerived_Inh_FAH16to70	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	448056.8	3752582	3.60E-07	0.74YrCancerDerived_Inh_FAH16to70	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	448096.8	3752602	3.60E-07	0.74YrCancerDerived_Inh_FAH16to70	3.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
454	ALL	448236.8	3752682	3.59E-07	0.74YrCancerDerived_Inh_FAH16to70	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL	447656.8	3752522	3.59E-07	0.74YrCancerDerived_Inh_FAH16to70	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL	447876.8	3752522	3.59E-07	0.74YrCancerDerived_Inh_FAH16to70	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1217	ALL	448276.8	3753382	3.59E-07	0.74YrCancerDerived_Inh_FAH16to70	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1229	ALL	448116.8	3753402	3.58E-07	0.74YrCancerDerived_Inh_FAH16to70	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	447476.8	3752582	3.58E-07	0.74YrCancerDerived_Inh_FAH16to70	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1230	ALL	448136.8	3753402	3.58E-07	0.74YrCancerDerived_Inh_FAH16to70	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	448016.8	3752562	3.57E-07	0.74YrCancerDerived_Inh_FAH16to70	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
296	ALL	448136.8	3752622	3.57E-07	0.74YrCancerDerived_Inh_FAH16to70	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1205	ALL	448036.8	3753382	3.57E-07	0.74YrCancerDerived_Inh_FAH16to70	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
612	ALL	448336.8	3752742	3.57E-07	0.74YrCancerDerived_Inh_FAH16to70	3.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1231	ALL	448156.8	3753402	3.56E-07	0.74YrCancerDerived_Inh_FAH16to70	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1228	ALL	448096.8	3753402	3.56E-07	0.74YrCancerDerived_Inh_FAH16to70	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
310	ALL	447396.8	3752642	3.55E-07	0.74YrCancerDerived_Inh_FAH16to70	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	ALL	447556.8	3752542	3.55E-07	0.74YrCancerDerived_Inh_FAH16to70	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL	447636.8	3752522	3.54E-07	0.74YrCancerDerived_Inh_FAH16to70	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
360	ALL	447376.8	3752662	3.54E-07	0.74YrCancerDerived_Inh_FAH16to70	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
507	ALL	448276.8	3752702	3.54E-07	0.74YrCancerDerived_Inh_FAH16to70	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL	447896.8	3752522	3.54E-07	0.74YrCancerDerived_Inh_FAH16to70	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	447416.8	3752622	3.54E-07	0.74YrCancerDerived_Inh_FAH16to70	3.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
349	ALL	448176.8	3752642	3.53E-07	0.74YrCancerDerived_Inh_FAH16to70	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1204	ALL	448016.8	3753382	3.53E-07	0.74YrCancerDerived_Inh_FAH16to70	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1232	ALL	448176.8	3753402	3.53E-07	0.74YrCancerDerived_Inh_FAH16to70	3.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1227	ALL	448076.8	3753402	3.52E-07	0.74YrCancerDerived_Inh_FAH16to70	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1218	ALL	448296.8	3753382	3.52E-07	0.74YrCancerDerived_Inh_FAH16to70	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	447976.8	3752542	3.51E-07	0.74YrCancerDerived_Inh_FAH16to70	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
410	ALL	447356.8	3752682	3.51E-07	0.74YrCancerDerived_Inh_FAH16to70	3.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1233	ALL	448196.8	3753402	3.50E-07	0.74YrCancerDerived_Inh_FAH16to70	3.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	447436.8	3752602	3.49E-07	0.74YrCancerDerived_Inh_FAH16to70	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
402	ALL	448216.8	3752662	3.49E-07	0.74YrCancerDerived_Inh_FAH16to70	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL	447616.8	3752522	3.49E-07	0.74YrCancerDerived_Inh_FAH16to70	3.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
560	ALL	448316.8	3752722	3.48E-07	0.74YrCancerDerived_Inh_FAH16to70	3.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL	447916.8	3752522	3.47E-07	0.74YrCancerDerived_Inh_FAH16to70	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	448076.8	3752582	3.47E-07	0.74YrCancerDerived_Inh_FAH16to70	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	447496.8	3752562	3.47E-07	0.74YrCancerDerived_Inh_FAH16to70	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	448036.8	3752562	3.46E-07	0.74YrCancerDerived_Inh_FAH16to70	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	448116.8	3752602	3.46E-07	0.74YrCancerDerived_Inh_FAH16to70	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1234	ALL	448216.8	3753402	3.46E-07	0.74YrCancerDerived_Inh_FAH16to70	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1226	ALL	448056.8	3753402	3.45E-07	0.74YrCancerDerived_Inh_FAH16to70	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
460	ALL	447336.8	3752702	3.45E-07	0.74YrCancerDerived_Inh_FAH16to70	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	447536.8	3752542	3.45E-07	0.74YrCancerDerived_Inh_FAH16to70	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1219	ALL	448316.8	3753382	3.45E-07	0.74YrCancerDerived_Inh_FAH16to70	3.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
455	ALL	448256.8	3752682	3.44E-07	0.74YrCancerDerived_Inh_FAH16to70	3.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
297	ALL	448156.8	3752622	3.43E-07	0.74YrCancerDerived_Inh_FAH16to70	3.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL	447596.8	3752522	3.42E-07	0.74YrCancerDerived_Inh_FAH16to70	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	447456.8	3752582	3.42E-07	0.74YrCancerDerived_Inh_FAH16to70	3.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1235	ALL	448236.8	3753402	3.41E-07	0.74YrCancerDerived_Inh_FAH16to70	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	447996.8	3752542	3.41E-07	0.74YrCancerDerived_Inh_FAH16to70	3.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL	447936.8	3752522	3.40E-07	0.74YrCancerDerived_Inh_FAH16to70	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
508	ALL	448296.8	3752702	3.39E-07	0.74YrCancerDerived_Inh_FAH16to70	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
350	ALL	448196.8	3752642	3.39E-07	0.74YrCancerDerived_Inh_FAH16to70	3.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1220	ALL	448336.8	3753382	3.37E-07	0.74YrCancerDerived_Inh_FAH16to70	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1236	ALL	448256.8	3753402	3.37E-07	0.74YrCancerDerived_Inh_FAH16to70	3.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1225	ALL	448036.8	3753402	3.36E-07	0.74YrCancerDerived_Inh_FAH16to70	3.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL	447576.8	3752522	3.35E-07	0.74YrCancerDerived_Inh_FAH16to70	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
403	ALL	448236.8	3752662	3.35E-07	0.74YrCancerDerived_Inh_FAH16to70	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
309	ALL	447376.8	3752642	3.35E-07	0.74YrCancerDerived_Inh_FAH16to70	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	448096.8	3752582	3.35E-07	0.74YrCancerDerived_Inh_FAH16to70	3.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	447396.8	3752622	3.34E-07	0.74YrCancerDerived_Inh_FAH16to70	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL	448056.8	3752562	3.34E-07	0.74YrCancerDerived_Inh_FAH16to70	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	447516.8	3752542	3.34E-07	0.74YrCancerDerived_Inh_FAH16to70	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
561	ALL	448336.8	3752722	3.33E-07	0.74YrCancerDerived_Inh_FAH16to70	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	447476.8	3752562	3.33E-07	0.74YrCancerDerived_Inh_FAH16to70	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL	447956.8	3752522	3.33E-07	0.74YrCancerDerived_Inh_FAH16to70	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
359	ALL	447356.8	3752662	3.33E-07	0.74YrCancerDerived_Inh_FAH16to70	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	448136.8	3752602	3.32E-07	0.74YrCancerDerived_Inh_FAH16to70	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	447416.8	3752602	3.32E-07	0.74YrCancerDerived_Inh_FAH16to70	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1237	ALL	448276.8	3753402	3.31E-07	0.74YrCancerDerived_Inh_FAH16to70	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	448016.8	3752542	3.31E-07	0.74YrCancerDerived_Inh_FAH16to70	3.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
456	ALL	448276.8	3752682	3.30E-07	0.74YrCancerDerived_Inh_FAH16to70	3.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
298	ALL	448176.8	3752622	3.29E-07	0.74YrCancerDerived_Inh_FAH16to70	3.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
409	ALL	447336.8	3752682	3.28E-07	0.74YrCancerDerived_Inh_FAH16to70	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1224	ALL	448016.8	3753402	3.28E-07	0.74YrCancerDerived_Inh_FAH16to70	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1250	ALL	448116.8	3753422	3.28E-07	0.74YrCancerDerived_Inh_FAH16to70	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1249	ALL	448096.8	3753422	3.28E-07	0.74YrCancerDerived_Inh_FAH16to70	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL	447556.8	3752522	3.27E-07	0.74YrCancerDerived_Inh_FAH16to70	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1251	ALL	448136.8	3753422	3.27E-07	0.74YrCancerDerived_Inh_FAH16to70	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	447436.8	3752582	3.27E-07	0.74YrCancerDerived_Inh_FAH16to70	3.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1238	ALL	448296.8	3753402	3.26E-07	0.74YrCancerDerived_Inh_FAH16to70	3.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
351	ALL	448216.8	3752642	3.25E-07	0.74YrCancerDerived_Inh_FAH16to70	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1252	ALL	448156.8	3753422	3.25E-07	0.74YrCancerDerived_Inh_FAH16to70	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
509	ALL	448316.8	3752702	3.25E-07	0.74YrCancerDerived_Inh_FAH16to70	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL	447976.8	3752522	3.25E-07	0.74YrCancerDerived_Inh_FAH16to70	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1248	ALL	448076.8	3753422	3.25E-07	0.74YrCancerDerived_Inh_FAH16to70	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL	448076.8	3752562	3.23E-07	0.74YrCancerDerived_Inh_FAH16to70	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1253	ALL	448176.8	3753422	3.23E-07	0.74YrCancerDerived_Inh_FAH16to70	3.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	448116.8	3752582	3.22E-07	0.74YrCancerDerived_Inh_FAH16to70	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	447496.8	3752542	3.22E-07	0.74YrCancerDerived_Inh_FAH16to70	3.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	448036.8	3752542	3.21E-07	0.74YrCancerDerived_Inh_FAH16to70	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
404	ALL	448256.8	3752662	3.21E-07	0.74YrCancerDerived_Inh_FAH16to70	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1254	ALL	448196.8	3753422	3.21E-07	0.74YrCancerDerived_Inh_FAH16to70	3.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1239	ALL	448316.8	3753402	3.20E-07	0.74YrCancerDerived_Inh_FAH16to70	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	448156.8	3752602	3.20E-07	0.74YrCancerDerived_Inh_FAH16to70	3.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1247	ALL	448056.8	3753422	3.19E-07	0.74YrCancerDerived_Inh_FAH16to70	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	447456.8	3752562	3.19E-07	0.74YrCancerDerived_Inh_FAH16to70	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL	447536.8	3752522	3.19E-07	0.74YrCancerDerived_Inh_FAH16to70	3.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1255	ALL	448216.8	3753422	3.18E-07	0.74YrCancerDerived_Inh_FAH16to70	3.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
457	ALL	448296.8	3752682	3.17E-07	0.74YrCancerDerived_Inh_FAH16to70	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL	447996.8	3752522	3.17E-07	0.74YrCancerDerived_Inh_FAH16to70	3.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
299	ALL	448196.8	3752622	3.16E-07	0.74YrCancerDerived_Inh_FAH16to70	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	447376.8	3752622	3.16E-07	0.74YrCancerDerived_Inh_FAH16to70	3.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
308	ALL	447356.8	3752642	3.15E-07	0.74YrCancerDerived_Inh_FAH16to70	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	447396.8	3752602	3.15E-07	0.74YrCancerDerived_Inh_FAH16to70	3.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1256	ALL	448236.8	3753422	3.14E-07	0.74YrCancerDerived_Inh_FAH16to70	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1240	ALL	448336.8	3753402	3.14E-07	0.74YrCancerDerived_Inh_FAH16to70	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
352	ALL	448236.8	3752642	3.13E-07	0.74YrCancerDerived_Inh_FAH16to70	3.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
358	ALL	447336.8	3752662	3.12E-07	0.74YrCancerDerived_Inh_FAH16to70	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
510	ALL	448336.8	3752702	3.12E-07	0.74YrCancerDerived_Inh_FAH16to70	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL	448096.8	3752562	3.12E-07	0.74YrCancerDerived_Inh_FAH16to70	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	448056.8	3752542	3.12E-07	0.74YrCancerDerived_Inh_FAH16to70	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	447416.8	3752582	3.12E-07	0.74YrCancerDerived_Inh_FAH16to70	3.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1257	ALL	448256.8	3753422	3.11E-07	0.74YrCancerDerived_Inh_FAH16to70	3.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
194	ALL	448136.8	3752582	3.10E-07	0.74YrCancerDerived_Inh_FAH16to70	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	447476.8	3752542	3.10E-07	0.74YrCancerDerived_Inh_FAH16to70	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1246	ALL	448036.8	3753422	3.10E-07	0.74YrCancerDerived_Inh_FAH16to70	3.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL	447516.8	3752522	3.09E-07	0.74YrCancerDerived_Inh_FAH16to70	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
405	ALL	448276.8	3752662	3.09E-07	0.74YrCancerDerived_Inh_FAH16to70	3.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL	448016.8	3752522	3.08E-07	0.74YrCancerDerived_Inh_FAH16to70	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	448176.8	3752602	3.08E-07	0.74YrCancerDerived_Inh_FAH16to70	3.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1258	ALL	448276.8	3753422	3.07E-07	0.74YrCancerDerived_Inh_FAH16to70	3.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	447436.8	3752562	3.06E-07	0.74YrCancerDerived_Inh_FAH16to70	3.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
458	ALL	448316.8	3752682	3.04E-07	0.74YrCancerDerived_Inh_FAH16to70	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
300	ALL	448216.8	3752622	3.04E-07	0.74YrCancerDerived_Inh_FAH16to70	3.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1259	ALL	448296.8	3753422	3.02E-07	0.74YrCancerDerived_Inh_FAH16to70	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL	448076.8	3752542	3.02E-07	0.74YrCancerDerived_Inh_FAH16to70	3.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL	448116.8	3752562	3.01E-07	0.74YrCancerDerived_Inh_FAH16to70	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1245	ALL	448016.8	3753422	3.01E-07	0.74YrCancerDerived_Inh_FAH16to70	3.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
353	ALL	448256.8	3752642	3.00E-07	0.74YrCancerDerived_Inh_FAH16to70	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1271	ALL	448116.8	3753442	3.00E-07	0.74YrCancerDerived_Inh_FAH16to70	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1270	ALL	448096.8	3753442	3.00E-07	0.74YrCancerDerived_Inh_FAH16to70	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL	447496.8	3752522	3.00E-07	0.74YrCancerDerived_Inh_FAH16to70	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

36	ALL	448036.8	3752522	3.00E-07	0.74YrCancerDerived_Inh_FAH16to70	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1272	ALL	448136.8	3753442	3.00E-07	0.74YrCancerDerived_Inh_FAH16to70	3.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	447356.8	3752622	2.99E-07	0.74YrCancerDerived_Inh_FAH16to70	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	448156.8	3752582	2.99E-07	0.74YrCancerDerived_Inh_FAH16to70	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	447376.8	3752602	2.99E-07	0.74YrCancerDerived_Inh_FAH16to70	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	447456.8	3752542	2.98E-07	0.74YrCancerDerived_Inh_FAH16to70	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1273	ALL	448156.8	3753442	2.98E-07	0.74YrCancerDerived_Inh_FAH16to70	2.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1260	ALL	448316.8	3753422	2.97E-07	0.74YrCancerDerived_Inh_FAH16to70	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1269	ALL	448076.8	3753442	2.97E-07	0.74YrCancerDerived_Inh_FAH16to70	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
307	ALL	447336.8	3752642	2.97E-07	0.74YrCancerDerived_Inh_FAH16to70	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	447396.8	3752582	2.97E-07	0.74YrCancerDerived_Inh_FAH16to70	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
406	ALL	448296.8	3752662	2.97E-07	0.74YrCancerDerived_Inh_FAH16to70	2.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1274	ALL	448176.8	3753442	2.96E-07	0.74YrCancerDerived_Inh_FAH16to70	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	448196.8	3752602	2.96E-07	0.74YrCancerDerived_Inh_FAH16to70	2.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1275	ALL	448196.8	3753442	2.95E-07	0.74YrCancerDerived_Inh_FAH16to70	2.95E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	447416.8	3752562	2.93E-07	0.74YrCancerDerived_Inh_FAH16to70	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1268	ALL	448056.8	3753442	2.93E-07	0.74YrCancerDerived_Inh_FAH16to70	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
301	ALL	448236.8	3752622	2.93E-07	0.74YrCancerDerived_Inh_FAH16to70	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
459	ALL	448336.8	3752682	2.93E-07	0.74YrCancerDerived_Inh_FAH16to70	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1261	ALL	448336.8	3753422	2.93E-07	0.74YrCancerDerived_Inh_FAH16to70	2.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1276	ALL	448216.8	3753442	2.92E-07	0.74YrCancerDerived_Inh_FAH16to70	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL	448096.8	3752542	2.92E-07	0.74YrCancerDerived_Inh_FAH16to70	2.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL	448056.8	3752522	2.91E-07	0.74YrCancerDerived_Inh_FAH16to70	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL	448136.8	3752562	2.91E-07	0.74YrCancerDerived_Inh_FAH16to70	2.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1277	ALL	448236.8	3753442	2.90E-07	0.74YrCancerDerived_Inh_FAH16to70	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1223	ALL	447636.8	3753402	2.90E-07	0.74YrCancerDerived_Inh_FAH16to70	2.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL	447476.8	3752522	2.89E-07	0.74YrCancerDerived_Inh_FAH16to70	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
354	ALL	448276.8	3752642	2.89E-07	0.74YrCancerDerived_Inh_FAH16to70	2.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	448176.8	3752582	2.88E-07	0.74YrCancerDerived_Inh_FAH16to70	2.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	447436.8	3752542	2.87E-07	0.74YrCancerDerived_Inh_FAH16to70	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1278	ALL	448256.8	3753442	2.87E-07	0.74YrCancerDerived_Inh_FAH16to70	2.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
407	ALL	448316.8	3752662	2.85E-07	0.74YrCancerDerived_Inh_FAH16to70	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	448216.8	3752602	2.85E-07	0.74YrCancerDerived_Inh_FAH16to70	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1267	ALL	448036.8	3753442	2.85E-07	0.74YrCancerDerived_Inh_FAH16to70	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1222	ALL	447616.8	3753402	2.85E-07	0.74YrCancerDerived_Inh_FAH16to70	2.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1279	ALL	448276.8	3753442	2.84E-07	0.74YrCancerDerived_Inh_FAH16to70	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	447356.8	3752602	2.84E-07	0.74YrCancerDerived_Inh_FAH16to70	2.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	447336.8	3752622	2.83E-07	0.74YrCancerDerived_Inh_FAH16to70	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	447376.8	3752582	2.83E-07	0.74YrCancerDerived_Inh_FAH16to70	2.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL	448076.8	3752522	2.82E-07	0.74YrCancerDerived_Inh_FAH16to70	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL	448116.8	3752542	2.82E-07	0.74YrCancerDerived_Inh_FAH16to70	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
302	ALL	448256.8	3752622	2.82E-07	0.74YrCancerDerived_Inh_FAH16to70	2.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1221	ALL	447596.8	3753402	2.81E-07	0.74YrCancerDerived_Inh_FAH16to70	2.81E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL	448156.8	3752562	2.80E-07	0.74YrCancerDerived_Inh_FAH16to70	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1280	ALL	448296.8	3753442	2.80E-07	0.74YrCancerDerived_Inh_FAH16to70	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	447396.8	3752562	2.80E-07	0.74YrCancerDerived_Inh_FAH16to70	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL	447456.8	3752522	2.80E-07	0.74YrCancerDerived_Inh_FAH16to70	2.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
355	ALL	448296.8	3752642	2.78E-07	0.74YrCancerDerived_Inh_FAH16to70	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	448196.8	3752582	2.78E-07	0.74YrCancerDerived_Inh_FAH16to70	2.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1281	ALL	448316.8	3753442	2.77E-07	0.74YrCancerDerived_Inh_FAH16to70	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	447416.8	3752542	2.76E-07	0.74YrCancerDerived_Inh_FAH16to70	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1301	ALL	448116.8	3753462	2.76E-07	0.74YrCancerDerived_Inh_FAH16to70	2.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1300	ALL	448096.8	3753462	2.75E-07	0.74YrCancerDerived_Inh_FAH16to70	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1266	ALL	448016.8	3753442	2.75E-07	0.74YrCancerDerived_Inh_FAH16to70	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1302	ALL	448136.8	3753462	2.75E-07	0.74YrCancerDerived_Inh_FAH16to70	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

408	ALL	448336.8	3752662	2.75E-07	0.74YrCancerDerived_Inh_FAH16to70	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	448236.8	3752602	2.75E-07	0.74YrCancerDerived_Inh_FAH16to70	2.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1299	ALL	448076.8	3753462	2.74E-07	0.74YrCancerDerived_Inh_FAH16to70	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1303	ALL	448156.8	3753462	2.74E-07	0.74YrCancerDerived_Inh_FAH16to70	2.74E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL	448096.8	3752522	2.73E-07	0.74YrCancerDerived_Inh_FAH16to70	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1304	ALL	448176.8	3753462	2.73E-07	0.74YrCancerDerived_Inh_FAH16to70	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1282	ALL	448336.8	3753442	2.73E-07	0.74YrCancerDerived_Inh_FAH16to70	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL	448136.8	3752542	2.73E-07	0.74YrCancerDerived_Inh_FAH16to70	2.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
303	ALL	448276.8	3752622	2.71E-07	0.74YrCancerDerived_Inh_FAH16to70	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1305	ALL	448196.8	3753462	2.71E-07	0.74YrCancerDerived_Inh_FAH16to70	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL	448176.8	3752562	2.71E-07	0.74YrCancerDerived_Inh_FAH16to70	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	ALL	447436.8	3752522	2.70E-07	0.74YrCancerDerived_Inh_FAH16to70	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1306	ALL	448216.8	3753462	2.70E-07	0.74YrCancerDerived_Inh_FAH16to70	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1298	ALL	448056.8	3753462	2.70E-07	0.74YrCancerDerived_Inh_FAH16to70	2.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	447336.8	3752602	2.69E-07	0.74YrCancerDerived_Inh_FAH16to70	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	447356.8	3752582	2.69E-07	0.74YrCancerDerived_Inh_FAH16to70	2.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
356	ALL	448316.8	3752642	2.68E-07	0.74YrCancerDerived_Inh_FAH16to70	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	448216.8	3752582	2.68E-07	0.74YrCancerDerived_Inh_FAH16to70	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	447376.8	3752562	2.68E-07	0.74YrCancerDerived_Inh_FAH16to70	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1307	ALL	448236.8	3753462	2.68E-07	0.74YrCancerDerived_Inh_FAH16to70	2.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1244	ALL	447636.8	3753422	2.67E-07	0.74YrCancerDerived_Inh_FAH16to70	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1308	ALL	448256.8	3753462	2.66E-07	0.74YrCancerDerived_Inh_FAH16to70	2.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	448256.8	3752602	2.65E-07	0.74YrCancerDerived_Inh_FAH16to70	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL	448116.8	3752522	2.65E-07	0.74YrCancerDerived_Inh_FAH16to70	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	447396.8	3752542	2.65E-07	0.74YrCancerDerived_Inh_FAH16to70	2.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL	448156.8	3752542	2.64E-07	0.74YrCancerDerived_Inh_FAH16to70	2.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1309	ALL	448276.8	3753462	2.63E-07	0.74YrCancerDerived_Inh_FAH16to70	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1297	ALL	448036.8	3753462	2.63E-07	0.74YrCancerDerived_Inh_FAH16to70	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1243	ALL	447616.8	3753422	2.63E-07	0.74YrCancerDerived_Inh_FAH16to70	2.63E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
304	ALL	448296.8	3752622	2.62E-07	0.74YrCancerDerived_Inh_FAH16to70	2.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	448196.8	3752562	2.61E-07	0.74YrCancerDerived_Inh_FAH16to70	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1242	ALL	447596.8	3753422	2.60E-07	0.74YrCancerDerived_Inh_FAH16to70	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1310	ALL	448296.8	3753462	2.60E-07	0.74YrCancerDerived_Inh_FAH16to70	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL	447416.8	3752522	2.60E-07	0.74YrCancerDerived_Inh_FAH16to70	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1241	ALL	447576.8	3753422	2.60E-07	0.74YrCancerDerived_Inh_FAH16to70	2.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
357	ALL	448336.8	3752642	2.59E-07	0.74YrCancerDerived_Inh_FAH16to70	2.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	448236.8	3752582	2.58E-07	0.74YrCancerDerived_Inh_FAH16to70	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1311	ALL	448316.8	3753462	2.58E-07	0.74YrCancerDerived_Inh_FAH16to70	2.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL	448136.8	3752522	2.56E-07	0.74YrCancerDerived_Inh_FAH16to70	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	447336.8	3752582	2.56E-07	0.74YrCancerDerived_Inh_FAH16to70	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	447356.8	3752562	2.56E-07	0.74YrCancerDerived_Inh_FAH16to70	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	448276.8	3752602	2.55E-07	0.74YrCancerDerived_Inh_FAH16to70	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL	448176.8	3752542	2.55E-07	0.74YrCancerDerived_Inh_FAH16to70	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1296	ALL	448016.8	3753462	2.55E-07	0.74YrCancerDerived_Inh_FAH16to70	2.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1312	ALL	448336.8	3753462	2.54E-07	0.74YrCancerDerived_Inh_FAH16to70	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1330	ALL	448096.8	3753482	2.54E-07	0.74YrCancerDerived_Inh_FAH16to70	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1331	ALL	448116.8	3753482	2.54E-07	0.74YrCancerDerived_Inh_FAH16to70	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	447376.8	3752542	2.54E-07	0.74YrCancerDerived_Inh_FAH16to70	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1329	ALL	448076.8	3753482	2.54E-07	0.74YrCancerDerived_Inh_FAH16to70	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1332	ALL	448136.8	3753482	2.54E-07	0.74YrCancerDerived_Inh_FAH16to70	2.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1333	ALL	448156.8	3753482	2.53E-07	0.74YrCancerDerived_Inh_FAH16to70	2.53E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
305	ALL	448316.8	3752622	2.52E-07	0.74YrCancerDerived_Inh_FAH16to70	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	448216.8	3752562	2.52E-07	0.74YrCancerDerived_Inh_FAH16to70	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1334	ALL	448176.8	3753482	2.52E-07	0.74YrCancerDerived_Inh_FAH16to70	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1335	ALL	448196.8	3753482	2.51E-07	0.74YrCancerDerived_Inh_FAH16to70	2.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

4	ALL	447396.8	3752522	2.50E-07	0.74YrCancerDerived_Inh_FAH16to70	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	448256.8	3752582	2.50E-07	0.74YrCancerDerived_Inh_FAH16to70	2.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1336	ALL	448216.8	3753482	2.49E-07	0.74YrCancerDerived_Inh_FAH16to70	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1328	ALL	448056.8	3753482	2.49E-07	0.74YrCancerDerived_Inh_FAH16to70	2.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL	448156.8	3752522	2.48E-07	0.74YrCancerDerived_Inh_FAH16to70	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1337	ALL	448236.8	3753482	2.48E-07	0.74YrCancerDerived_Inh_FAH16to70	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1265	ALL	447636.8	3753442	2.47E-07	0.74YrCancerDerived_Inh_FAH16to70	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	448296.8	3752602	2.47E-07	0.74YrCancerDerived_Inh_FAH16to70	2.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL	448196.8	3752542	2.46E-07	0.74YrCancerDerived_Inh_FAH16to70	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1338	ALL	448256.8	3753482	2.46E-07	0.74YrCancerDerived_Inh_FAH16to70	2.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1339	ALL	448276.8	3753482	2.44E-07	0.74YrCancerDerived_Inh_FAH16to70	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	447336.8	3752562	2.44E-07	0.74YrCancerDerived_Inh_FAH16to70	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1327	ALL	448036.8	3753482	2.44E-07	0.74YrCancerDerived_Inh_FAH16to70	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	448236.8	3752562	2.44E-07	0.74YrCancerDerived_Inh_FAH16to70	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
306	ALL	448336.8	3752622	2.44E-07	0.74YrCancerDerived_Inh_FAH16to70	2.44E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	447356.8	3752542	2.43E-07	0.74YrCancerDerived_Inh_FAH16to70	2.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1340	ALL	448296.8	3753482	2.42E-07	0.74YrCancerDerived_Inh_FAH16to70	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1264	ALL	447616.8	3753442	2.42E-07	0.74YrCancerDerived_Inh_FAH16to70	2.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	448276.8	3752582	2.41E-07	0.74YrCancerDerived_Inh_FAH16to70	2.41E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL	447376.8	3752522	2.40E-07	0.74YrCancerDerived_Inh_FAH16to70	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL	448176.8	3752522	2.40E-07	0.74YrCancerDerived_Inh_FAH16to70	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1341	ALL	448316.8	3753482	2.40E-07	0.74YrCancerDerived_Inh_FAH16to70	2.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1263	ALL	447596.8	3753442	2.39E-07	0.74YrCancerDerived_Inh_FAH16to70	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1262	ALL	447576.8	3753442	2.39E-07	0.74YrCancerDerived_Inh_FAH16to70	2.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	448316.8	3752602	2.38E-07	0.74YrCancerDerived_Inh_FAH16to70	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	448216.8	3752542	2.38E-07	0.74YrCancerDerived_Inh_FAH16to70	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1292	ALL	447696.8	3753462	2.38E-07	0.74YrCancerDerived_Inh_FAH16to70	2.38E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1342	ALL	448336.8	3753482	2.37E-07	0.74YrCancerDerived_Inh_FAH16to70	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1326	ALL	448016.8	3753482	2.37E-07	0.74YrCancerDerived_Inh_FAH16to70	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1293	ALL	447716.8	3753462	2.37E-07	0.74YrCancerDerived_Inh_FAH16to70	2.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	448256.8	3752562	2.36E-07	0.74YrCancerDerived_Inh_FAH16to70	2.36E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1291	ALL	447676.8	3753462	2.35E-07	0.74YrCancerDerived_Inh_FAH16to70	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1360	ALL	448096.8	3753502	2.35E-07	0.74YrCancerDerived_Inh_FAH16to70	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1359	ALL	448076.8	3753502	2.35E-07	0.74YrCancerDerived_Inh_FAH16to70	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1361	ALL	448116.8	3753502	2.35E-07	0.74YrCancerDerived_Inh_FAH16to70	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1362	ALL	448136.8	3753502	2.35E-07	0.74YrCancerDerived_Inh_FAH16to70	2.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1294	ALL	447736.8	3753462	2.34E-07	0.74YrCancerDerived_Inh_FAH16to70	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1363	ALL	448156.8	3753502	2.34E-07	0.74YrCancerDerived_Inh_FAH16to70	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1364	ALL	448176.8	3753502	2.33E-07	0.74YrCancerDerived_Inh_FAH16to70	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	448296.8	3752582	2.33E-07	0.74YrCancerDerived_Inh_FAH16to70	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	447336.8	3752542	2.33E-07	0.74YrCancerDerived_Inh_FAH16to70	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL	448196.8	3752522	2.33E-07	0.74YrCancerDerived_Inh_FAH16to70	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1295	ALL	447756.8	3753462	2.33E-07	0.74YrCancerDerived_Inh_FAH16to70	2.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1365	ALL	448196.8	3753502	2.32E-07	0.74YrCancerDerived_Inh_FAH16to70	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1358	ALL	448056.8	3753502	2.32E-07	0.74YrCancerDerived_Inh_FAH16to70	2.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1366	ALL	448216.8	3753502	2.31E-07	0.74YrCancerDerived_Inh_FAH16to70	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1290	ALL	447656.8	3753462	2.31E-07	0.74YrCancerDerived_Inh_FAH16to70	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL	447356.8	3752522	2.31E-07	0.74YrCancerDerived_Inh_FAH16to70	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	448236.8	3752542	2.30E-07	0.74YrCancerDerived_Inh_FAH16to70	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	448336.8	3752602	2.30E-07	0.74YrCancerDerived_Inh_FAH16to70	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1367	ALL	448236.8	3753502	2.30E-07	0.74YrCancerDerived_Inh_FAH16to70	2.30E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1357	ALL	448036.8	3753502	2.29E-07	0.74YrCancerDerived_Inh_FAH16to70	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1368	ALL	448256.8	3753502	2.29E-07	0.74YrCancerDerived_Inh_FAH16to70	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	448276.8	3752562	2.28E-07	0.74YrCancerDerived_Inh_FAH16to70	2.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1289	ALL	447636.8	3753462	2.27E-07	0.74YrCancerDerived_Inh_FAH16to70	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1369	ALL	448276.8	3753502	2.27E-07	0.74YrCancerDerived_Inh_FAH16to70	2.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1370	ALL	448296.8	3753502	2.26E-07	0.74YrCancerDerived_Inh_FAH16to70	2.26E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	448316.8	3752582	2.25E-07	0.74YrCancerDerived_Inh_FAH16to70	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL	448216.8	3752522	2.25E-07	0.74YrCancerDerived_Inh_FAH16to70	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1288	ALL	447616.8	3753462	2.25E-07	0.74YrCancerDerived_Inh_FAH16to70	2.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1371	ALL	448316.8	3753502	2.24E-07	0.74YrCancerDerived_Inh_FAH16to70	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1356	ALL	448016.8	3753502	2.23E-07	0.74YrCancerDerived_Inh_FAH16to70	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	448256.8	3752542	2.23E-07	0.74YrCancerDerived_Inh_FAH16to70	2.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1372	ALL	448336.8	3753502	2.22E-07	0.74YrCancerDerived_Inh_FAH16to70	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1	ALL	447336.8	3752522	2.22E-07	0.74YrCancerDerived_Inh_FAH16to70	2.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1287	ALL	447596.8	3753462	2.21E-07	0.74YrCancerDerived_Inh_FAH16to70	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	448296.8	3752562	2.21E-07	0.74YrCancerDerived_Inh_FAH16to70	2.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1286	ALL	447576.8	3753462	2.19E-07	0.74YrCancerDerived_Inh_FAH16to70	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1322	ALL	447696.8	3753482	2.19E-07	0.74YrCancerDerived_Inh_FAH16to70	2.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1285	ALL	447556.8	3753462	2.18E-07	0.74YrCancerDerived_Inh_FAH16to70	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL	448236.8	3752522	2.18E-07	0.74YrCancerDerived_Inh_FAH16to70	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	448336.8	3752582	2.18E-07	0.74YrCancerDerived_Inh_FAH16to70	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1389	ALL	448076.8	3753522	2.18E-07	0.74YrCancerDerived_Inh_FAH16to70	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1390	ALL	448096.8	3753522	2.18E-07	0.74YrCancerDerived_Inh_FAH16to70	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1391	ALL	448116.8	3753522	2.18E-07	0.74YrCancerDerived_Inh_FAH16to70	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1323	ALL	447716.8	3753482	2.18E-07	0.74YrCancerDerived_Inh_FAH16to70	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1392	ALL	448136.8	3753522	2.18E-07	0.74YrCancerDerived_Inh_FAH16to70	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1393	ALL	448156.8	3753522	2.17E-07	0.74YrCancerDerived_Inh_FAH16to70	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1321	ALL	447676.8	3753482	2.17E-07	0.74YrCancerDerived_Inh_FAH16to70	2.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1394	ALL	448176.8	3753522	2.16E-07	0.74YrCancerDerived_Inh_FAH16to70	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1324	ALL	447736.8	3753482	2.16E-07	0.74YrCancerDerived_Inh_FAH16to70	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1388	ALL	448056.8	3753522	2.16E-07	0.74YrCancerDerived_Inh_FAH16to70	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	448276.8	3752542	2.16E-07	0.74YrCancerDerived_Inh_FAH16to70	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1395	ALL	448196.8	3753522	2.16E-07	0.74YrCancerDerived_Inh_FAH16to70	2.16E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1284	ALL	447536.8	3753462	2.15E-07	0.74YrCancerDerived_Inh_FAH16to70	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1396	ALL	448216.8	3753522	2.15E-07	0.74YrCancerDerived_Inh_FAH16to70	2.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1325	ALL	447756.8	3753482	2.14E-07	0.74YrCancerDerived_Inh_FAH16to70	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1320	ALL	447656.8	3753482	2.14E-07	0.74YrCancerDerived_Inh_FAH16to70	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1397	ALL	448236.8	3753522	2.14E-07	0.74YrCancerDerived_Inh_FAH16to70	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1387	ALL	448036.8	3753522	2.14E-07	0.74YrCancerDerived_Inh_FAH16to70	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	448316.8	3752562	2.14E-07	0.74YrCancerDerived_Inh_FAH16to70	2.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1398	ALL	448256.8	3753522	2.13E-07	0.74YrCancerDerived_Inh_FAH16to70	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1283	ALL	447516.8	3753462	2.13E-07	0.74YrCancerDerived_Inh_FAH16to70	2.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1399	ALL	448276.8	3753522	2.12E-07	0.74YrCancerDerived_Inh_FAH16to70	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	448256.8	3752522	2.11E-07	0.74YrCancerDerived_Inh_FAH16to70	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1319	ALL	447636.8	3753482	2.11E-07	0.74YrCancerDerived_Inh_FAH16to70	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1400	ALL	448296.8	3753522	2.11E-07	0.74YrCancerDerived_Inh_FAH16to70	2.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1386	ALL	448016.8	3753522	2.10E-07	0.74YrCancerDerived_Inh_FAH16to70	2.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	448296.8	3752542	2.09E-07	0.74YrCancerDerived_Inh_FAH16to70	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1401	ALL	448316.8	3753522	2.09E-07	0.74YrCancerDerived_Inh_FAH16to70	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1318	ALL	447616.8	3753482	2.08E-07	0.74YrCancerDerived_Inh_FAH16to70	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1402	ALL	448336.8	3753522	2.08E-07	0.74YrCancerDerived_Inh_FAH16to70	2.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	448336.8	3752562	2.07E-07	0.74YrCancerDerived_Inh_FAH16to70	2.07E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	448276.8	3752522	2.05E-07	0.74YrCancerDerived_Inh_FAH16to70	2.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1317	ALL	447596.8	3753482	2.04E-07	0.74YrCancerDerived_Inh_FAH16to70	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	448316.8	3752542	2.03E-07	0.74YrCancerDerived_Inh_FAH16to70	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1316	ALL	447576.8	3753482	2.03E-07	0.74YrCancerDerived_Inh_FAH16to70	2.03E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1315	ALL	447556.8	3753482	2.02E-07	0.74YrCancerDerived_Inh_FAH16to70	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1352	ALL	447696.8	3753502	2.02E-07	0.74YrCancerDerived_Inh_FAH16to70	2.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1351	ALL	447676.8	3753502	2.01E-07	0.74YrCancerDerived_Inh_FAH16to70	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

1353	ALL	447716.8	3753502	2.01E-07	0.74YrCancerDerived_Inh_FAH16to70	2.01E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1354	ALL	447736.8	3753502	2.00E-07	0.74YrCancerDerived_Inh_FAH16to70	2.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	448296.8	3752522	1.99E-07	0.74YrCancerDerived_Inh_FAH16to70	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1350	ALL	447656.8	3753502	1.99E-07	0.74YrCancerDerived_Inh_FAH16to70	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1355	ALL	447756.8	3753502	1.99E-07	0.74YrCancerDerived_Inh_FAH16to70	1.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1314	ALL	447536.8	3753482	1.98E-07	0.74YrCancerDerived_Inh_FAH16to70	1.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	448336.8	3752542	1.97E-07	0.74YrCancerDerived_Inh_FAH16to70	1.97E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1349	ALL	447636.8	3753502	1.96E-07	0.74YrCancerDerived_Inh_FAH16to70	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1313	ALL	447516.8	3753482	1.96E-07	0.74YrCancerDerived_Inh_FAH16to70	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1348	ALL	447616.8	3753502	1.93E-07	0.74YrCancerDerived_Inh_FAH16to70	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	448316.8	3752522	1.93E-07	0.74YrCancerDerived_Inh_FAH16to70	1.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1347	ALL	447596.8	3753502	1.90E-07	0.74YrCancerDerived_Inh_FAH16to70	1.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1346	ALL	447576.8	3753502	1.88E-07	0.74YrCancerDerived_Inh_FAH16to70	1.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	448336.8	3752522	1.87E-07	0.74YrCancerDerived_Inh_FAH16to70	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1382	ALL	447696.8	3753522	1.86E-07	0.74YrCancerDerived_Inh_FAH16to70	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1381	ALL	447676.8	3753522	1.86E-07	0.74YrCancerDerived_Inh_FAH16to70	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1383	ALL	447716.8	3753522	1.86E-07	0.74YrCancerDerived_Inh_FAH16to70	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1345	ALL	447556.8	3753502	1.86E-07	0.74YrCancerDerived_Inh_FAH16to70	1.86E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1384	ALL	447736.8	3753522	1.85E-07	0.74YrCancerDerived_Inh_FAH16to70	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1380	ALL	447656.8	3753522	1.85E-07	0.74YrCancerDerived_Inh_FAH16to70	1.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1385	ALL	447756.8	3753522	1.84E-07	0.74YrCancerDerived_Inh_FAH16to70	1.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1344	ALL	447536.8	3753502	1.83E-07	0.74YrCancerDerived_Inh_FAH16to70	1.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1379	ALL	447636.8	3753522	1.82E-07	0.74YrCancerDerived_Inh_FAH16to70	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1343	ALL	447516.8	3753502	1.82E-07	0.74YrCancerDerived_Inh_FAH16to70	1.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1378	ALL	447616.8	3753522	1.79E-07	0.74YrCancerDerived_Inh_FAH16to70	1.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1377	ALL	447596.8	3753522	1.78E-07	0.74YrCancerDerived_Inh_FAH16to70	1.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1376	ALL	447576.8	3753522	1.76E-07	0.74YrCancerDerived_Inh_FAH16to70	1.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1375	ALL	447556.8	3753522	1.72E-07	0.74YrCancerDerived_Inh_FAH16to70	1.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1374	ALL	447536.8	3753522	1.70E-07	0.74YrCancerDerived_Inh_FAH16to70	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1373	ALL	447516.8	3753522	1.70E-07	0.74YrCancerDerived_Inh_FAH16to70	1.70E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Norco Veterans Center - Construction Health Risk Assessment - Residential Chronic Risk, Unmitigated

*HARP - HRACalc v19044 4/23/2019 9:37:40 AM - Chronic Risk, Sorted Max to Min

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE'	RESP	SKIN	EYE	BONE/TEE'	ENDO	BLOOD	ODOR	GENERAL	MAXHI
841	ALL		447656.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-03
840	ALL		447636.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-03
811	ALL		447656.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-03
839	ALL		447616.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-03
781	ALL		447676.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-03
810	ALL		447636.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-03
838	ALL		447596.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-03
809	ALL		447616.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-03
780	ALL		447656.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-03
779	ALL		447636.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-03
808	ALL		447596.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-03
750	ALL		447676.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-03
837	ALL		447576.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-03
778	ALL		447616.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-03
749	ALL		447656.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-03
719	ALL		447696.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-03
807	ALL		447576.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-03
748	ALL		447636.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-03
777	ALL		447596.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-03
983	ALL		448016.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-03
718	ALL		447676.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-03
836	ALL		447556.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-03
747	ALL		447616.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-03
984	ALL		448036.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-03
717	ALL		447656.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03
684	ALL		447736.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-03
685	ALL		447756.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-03
683	ALL		447716.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-03
776	ALL		447576.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-03
686	ALL		447776.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-03
806	ALL		447556.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-03
682	ALL		447696.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-03
985	ALL		448056.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-03
716	ALL		447636.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-03
687	ALL		447796.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03
746	ALL		447596.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-03
1000	ALL		448016.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-03
926	ALL		448116.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-03
938	ALL		448116.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-03
681	ALL		447676.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-03
914	ALL		448116.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-03
835	ALL		447536.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-03
1001	ALL		448036.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-03
986	ALL		448076.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-03
902	ALL		448116.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03
715	ALL		447616.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-03
680	ALL		447656.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03
775	ALL		447556.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-03
1002	ALL		448056.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03
745	ALL		447576.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-03
890	ALL		448116.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-03
927	ALL		448136.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03
939	ALL		448136.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03
633	ALL		447736.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03
805	ALL		447536.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-03

987	ALL	448096.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03
634	ALL	447756.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03
915	ALL	448136.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-03
632	ALL	447716.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-03
679	ALL	447636.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03
950	ALL	448136.8	3753062	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03
635	ALL	447776.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03
714	ALL	447596.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-03
631	ALL	447696.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03
1003	ALL	448076.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-03
903	ALL	448136.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-03
878	ALL	448116.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03
636	ALL	447796.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-03
961	ALL	448136.8	3753082	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-03
630	ALL	447676.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-03
637	ALL	447816.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03
1017	ALL	448016.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-03
834	ALL	447516.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.46E-03
891	ALL	448136.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-03
744	ALL	447556.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03
988	ALL	448116.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-03
678	ALL	447616.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-03
1018	ALL	448036.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-03
928	ALL	448156.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03
940	ALL	448156.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03
1004	ALL	448096.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03
972	ALL	448136.8	3753102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03
638	ALL	447836.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03
629	ALL	447656.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03
713	ALL	447576.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03
774	ALL	447536.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-03
1019	ALL	448056.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03
916	ALL	448156.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03
951	ALL	448156.8	3753062	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03
866	ALL	448116.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-03
904	ALL	448156.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-03
879	ALL	448136.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03
639	ALL	447856.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
962	ALL	448156.8	3753082	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03
1020	ALL	448076.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03
804	ALL	447516.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03
677	ALL	447596.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03
628	ALL	447636.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03
989	ALL	448136.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03
1005	ALL	448116.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-03
582	ALL	447736.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03
583	ALL	447756.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03
892	ALL	448156.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
581	ALL	447716.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
584	ALL	447776.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
973	ALL	448156.8	3753102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
640	ALL	447876.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
941	ALL	448176.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
929	ALL	448176.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
580	ALL	447696.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
854	ALL	448116.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
1021	ALL	448096.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
585	ALL	447796.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03

712	ALL	447556.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
952	ALL	448176.8	3753062	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
917	ALL	448176.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-03
867	ALL	448136.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03
743	ALL	447536.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03
579	ALL	447676.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-03
627	ALL	447616.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
586	ALL	447816.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
833	ALL	447496.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03
963	ALL	448176.8	3753082	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-03
905	ALL	448176.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
880	ALL	448156.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
676	ALL	447576.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
1006	ALL	448136.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03
990	ALL	448156.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-03
641	ALL	447896.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
773	ALL	447516.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-03
587	ALL	447836.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03
578	ALL	447656.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03
1022	ALL	448116.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
1034	ALL	448016.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03
1035	ALL	448036.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03
974	ALL	448176.8	3753102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
1036	ALL	448056.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
893	ALL	448176.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03
942	ALL	448196.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03
930	ALL	448196.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03
1037	ALL	448076.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-03
855	ALL	448136.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03
842	ALL	448116.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03
953	ALL	448196.8	3753062	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
588	ALL	447856.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
626	ALL	447596.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03
918	ALL	448196.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
642	ALL	447916.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
803	ALL	447496.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
868	ALL	448156.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03
577	ALL	447636.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-03
1007	ALL	448156.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
812	ALL	448096.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
964	ALL	448196.8	3753082	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03
711	ALL	447536.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
991	ALL	448176.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
1023	ALL	448136.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-03
1038	ALL	448096.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
675	ALL	447556.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
881	ALL	448176.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
906	ALL	448196.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03
531	ALL	447736.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
532	ALL	447756.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03
589	ALL	447876.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
742	ALL	447516.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
530	ALL	447716.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
533	ALL	447776.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-03
975	ALL	448196.8	3753102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03
529	ALL	447696.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-03
534	ALL	447796.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
643	ALL	447936.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03

576	ALL	447616.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-03
1039	ALL	448116.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
894	ALL	448196.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
625	ALL	447576.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-03
943	ALL	448216.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03
832	ALL	447476.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
931	ALL	448216.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
856	ALL	448156.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
843	ALL	448136.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-03
528	ALL	447676.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
772	ALL	447496.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
535	ALL	447816.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
1008	ALL	448176.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
954	ALL	448216.8	3753062	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03
1024	ALL	448156.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
590	ALL	447896.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03
869	ALL	448176.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
919	ALL	448216.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
813	ALL	448116.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03
992	ALL	448196.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03
965	ALL	448216.8	3753082	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-03
536	ALL	447836.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03
527	ALL	447656.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03
1040	ALL	448136.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
882	ALL	448196.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
907	ALL	448216.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
782	ALL	448096.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
644	ALL	447956.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
575	ALL	447596.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
1054	ALL	448076.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
674	ALL	447536.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
1053	ALL	448056.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
976	ALL	448216.8	3753102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03
710	ALL	447516.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
802	ALL	447476.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
591	ALL	447916.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
537	ALL	447856.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
1052	ALL	448036.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03
1055	ALL	448096.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
624	ALL	447556.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
526	ALL	447636.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03
1025	ALL	448176.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03
1009	ALL	448196.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03
895	ALL	448216.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-03
1051	ALL	448016.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
944	ALL	448236.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
844	ALL	448156.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
857	ALL	448176.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
932	ALL	448236.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
741	ALL	447496.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
955	ALL	448236.8	3753062	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
1041	ALL	448156.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
814	ALL	448136.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
993	ALL	448216.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
1056	ALL	448116.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
870	ALL	448196.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
920	ALL	448236.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03
538	ALL	447876.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03

966	ALL	448236.8	3753082	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
645	ALL	447976.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03
480	ALL	447736.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
481	ALL	447756.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03
574	ALL	447576.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
479	ALL	447716.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
592	ALL	447936.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
482	ALL	447776.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
525	ALL	447616.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
783	ALL	448116.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03
883	ALL	448216.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
908	ALL	448236.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03
478	ALL	447696.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
483	ALL	447796.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
771	ALL	447476.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
977	ALL	448236.8	3753102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-03
831	ALL	447456.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
1057	ALL	448136.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
1026	ALL	448196.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03
539	ALL	447896.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
1010	ALL	448216.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03
484	ALL	447816.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
477	ALL	447676.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
1042	ALL	448176.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03
751	ALL	448096.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
673	ALL	447516.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03
623	ALL	447536.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
896	ALL	448236.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
845	ALL	448176.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
945	ALL	448256.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
858	ALL	448196.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
646	ALL	447996.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
994	ALL	448236.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
956	ALL	448256.8	3753062	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
933	ALL	448256.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03
485	ALL	447836.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
593	ALL	447956.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
815	ALL	448156.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
709	ALL	447496.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
524	ALL	447596.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
476	ALL	447656.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03
871	ALL	448216.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
1071	ALL	448076.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
1072	ALL	448096.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
967	ALL	448256.8	3753082	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03
1058	ALL	448156.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
921	ALL	448256.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
573	ALL	447556.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
801	ALL	447456.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03
540	ALL	447916.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03
784	ALL	448136.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03
486	ALL	447856.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
1073	ALL	448116.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
1027	ALL	448216.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
1070	ALL	448056.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
740	ALL	447476.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
884	ALL	448236.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
978	ALL	448256.8	3753102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03

909	ALL	448256.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
475	ALL	447636.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
1043	ALL	448196.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
1011	ALL	448236.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03
752	ALL	448116.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
594	ALL	447976.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
647	ALL	448016.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03
487	ALL	447876.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
1059	ALL	448176.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
523	ALL	447576.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
1069	ALL	448036.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
1074	ALL	448136.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03
846	ALL	448196.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
995	ALL	448256.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
541	ALL	447936.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
897	ALL	448256.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
946	ALL	448276.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03
859	ALL	448216.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
957	ALL	448276.8	3753062	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
816	ALL	448176.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
934	ALL	448276.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
474	ALL	447616.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03
429	ALL	447736.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
770	ALL	447456.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
430	ALL	447756.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
622	ALL	447516.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03
428	ALL	447716.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
431	ALL	447776.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
968	ALL	448276.8	3753082	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
872	ALL	448236.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
672	ALL	447496.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
720	ALL	448096.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
1068	ALL	448016.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
830	ALL	447436.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
785	ALL	448156.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
922	ALL	448276.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
572	ALL	447536.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
1028	ALL	448236.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
432	ALL	447796.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
1044	ALL	448216.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
427	ALL	447696.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-03
488	ALL	447896.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
1075	ALL	448156.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03
979	ALL	448276.8	3753102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
1012	ALL	448256.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
433	ALL	447816.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
708	ALL	447476.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
595	ALL	447996.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
885	ALL	448256.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03
426	ALL	447676.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
1060	ALL	448196.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
910	ALL	448276.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
648	ALL	448036.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
753	ALL	448136.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
542	ALL	447956.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
473	ALL	447596.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
1089	ALL	448096.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03
522	ALL	447556.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03

434	ALL	447836.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
996	ALL	448276.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
425	ALL	447656.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
1088	ALL	448076.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
1090	ALL	448116.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
800	ALL	447436.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
847	ALL	448216.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
489	ALL	447916.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03
817	ALL	448196.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
860	ALL	448236.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
947	ALL	448296.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
739	ALL	447456.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
898	ALL	448276.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
958	ALL	448296.8	3753062	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
1076	ALL	448176.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
721	ALL	448116.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
935	ALL	448296.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
1045	ALL	448236.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
435	ALL	447856.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
1029	ALL	448256.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
969	ALL	448296.8	3753082	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
786	ALL	448176.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
873	ALL	448256.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03
424	ALL	447636.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
1061	ALL	448216.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
1091	ALL	448136.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
923	ALL	448296.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
596	ALL	448016.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
543	ALL	447976.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
1087	ALL	448056.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
1013	ALL	448276.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
621	ALL	447496.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
472	ALL	447576.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
649	ALL	448056.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
571	ALL	447516.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
980	ALL	448296.8	3753102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
754	ALL	448156.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
436	ALL	447876.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
490	ALL	447936.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
886	ALL	448276.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
671	ALL	447476.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
911	ALL	448296.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
688	ALL	448096.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
769	ALL	447436.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
1077	ALL	448196.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03
521	ALL	447536.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
423	ALL	447616.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
1092	ALL	448156.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03
997	ALL	448296.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
829	ALL	447416.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
379	ALL	447756.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
378	ALL	447736.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
1046	ALL	448256.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
848	ALL	448236.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
380	ALL	447776.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
818	ALL	448216.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
722	ALL	448136.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
377	ALL	447716.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03

1030	ALL	448276.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
1086	ALL	448036.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
1062	ALL	448236.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
707	ALL	447456.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
861	ALL	448256.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
437	ALL	447896.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03
948	ALL	448316.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
959	ALL	448316.8	3753062	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
381	ALL	447796.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
899	ALL	448296.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
544	ALL	447996.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
597	ALL	448036.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
936	ALL	448316.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
376	ALL	447696.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
787	ALL	448196.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
970	ALL	448316.8	3753082	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
491	ALL	447956.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
382	ALL	447816.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
471	ALL	447556.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
650	ALL	448076.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
874	ALL	448276.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
1014	ALL	448296.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
1093	ALL	448176.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
422	ALL	447596.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
1078	ALL	448216.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
375	ALL	447676.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
924	ALL	448316.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
1106	ALL	448096.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
981	ALL	448316.8	3753102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
1107	ALL	448116.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
755	ALL	448176.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
1085	ALL	448016.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
383	ALL	447836.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
689	ALL	448116.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
799	ALL	447416.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
738	ALL	447436.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
438	ALL	447916.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
887	ALL	448296.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
374	ALL	447656.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
570	ALL	447496.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
912	ALL	448316.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
1105	ALL	448076.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
1047	ALL	448276.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
998	ALL	448316.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
620	ALL	447476.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
1108	ALL	448136.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
1063	ALL	448256.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
520	ALL	447516.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
384	ALL	447856.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
545	ALL	448016.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
723	ALL	448156.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
1031	ALL	448296.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03
492	ALL	447976.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
1094	ALL	448196.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
598	ALL	448056.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
849	ALL	448256.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
819	ALL	448236.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
373	ALL	447636.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03

421	ALL	447576.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
1079	ALL	448236.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
862	ALL	448276.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
960	ALL	448336.8	3753062	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
949	ALL	448336.8	3753042	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
670	ALL	447456.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
651	ALL	448096.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
788	ALL	448216.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
900	ALL	448316.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
439	ALL	447936.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
971	ALL	448336.8	3753082	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
470	ALL	447536.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
937	ALL	448336.8	3753022	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
1015	ALL	448316.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
1109	ALL	448156.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
385	ALL	447876.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
768	ALL	447416.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
875	ALL	448296.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
690	ALL	448136.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
756	ALL	448196.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
982	ALL	448336.8	3753102	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
1104	ALL	448056.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03
925	ALL	448336.8	3753002	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
372	ALL	447616.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
1095	ALL	448216.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
706	ALL	447436.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
828	ALL	447396.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
1064	ALL	448276.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
1048	ALL	448296.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
546	ALL	448036.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
493	ALL	447996.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
328	ALL	447756.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03
888	ALL	448316.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
327	ALL	447736.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
329	ALL	447776.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
386	ALL	447896.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
999	ALL	448336.8	3753122	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
1110	ALL	448176.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
913	ALL	448336.8	3752982	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
599	ALL	448076.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
1080	ALL	448256.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
1032	ALL	448316.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
724	ALL	448176.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
326	ALL	447716.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
420	ALL	447556.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
440	ALL	447956.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
330	ALL	447796.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
820	ALL	448256.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
850	ALL	448276.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
325	ALL	447696.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
652	ALL	448116.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
569	ALL	447476.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
519	ALL	447496.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
331	ALL	447816.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
371	ALL	447596.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
789	ALL	448236.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
863	ALL	448296.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03
737	ALL	447416.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03

1124	ALL	448116.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
798	ALL	447396.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
1016	ALL	448336.8	3753142	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
324	ALL	447676.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
1096	ALL	448236.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
619	ALL	447456.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
901	ALL	448336.8	3752962	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03
469	ALL	447516.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-04
387	ALL	447916.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-04
332	ALL	447836.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-04
1111	ALL	448196.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-04
691	ALL	448156.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04
1123	ALL	448096.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-04
1103	ALL	448036.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04
757	ALL	448216.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-04
876	ALL	448316.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-04
1065	ALL	448296.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04
494	ALL	448016.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04
1125	ALL	448136.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.86E-04
547	ALL	448056.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04
323	ALL	447656.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04
1049	ALL	448316.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-04
441	ALL	447976.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.79E-04
1081	ALL	448276.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.78E-04
669	ALL	447436.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04
333	ALL	447856.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04
600	ALL	448096.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04
370	ALL	447576.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-04
1033	ALL	448336.8	3753162	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.67E-04
419	ALL	447536.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04
725	ALL	448196.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-04
889	ALL	448336.8	3752942	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-04
1126	ALL	448156.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04
322	ALL	447636.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04
388	ALL	447936.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04
1112	ALL	448216.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04
653	ALL	448136.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.58E-04
1097	ALL	448256.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.56E-04
1122	ALL	448076.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-04
767	ALL	447396.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E-04
1102	ALL	448016.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.51E-04
821	ALL	448276.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-04
334	ALL	447876.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04
851	ALL	448296.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04
790	ALL	448256.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-04
705	ALL	447416.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.43E-04
864	ALL	448316.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-04
495	ALL	448036.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-04
692	ALL	448176.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04
442	ALL	447996.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-04
1066	ALL	448316.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04
1127	ALL	448176.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04
321	ALL	447616.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-04
827	ALL	447376.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04
518	ALL	447476.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04
548	ALL	448076.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.31E-04
1082	ALL	448296.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04
758	ALL	448236.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-04

1050	ALL	448336.8	3753182	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.27E-04
568	ALL	447456.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-04
468	ALL	447496.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04
877	ALL	448336.8	3752922	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04
335	ALL	447896.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04
1113	ALL	448236.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-04
369	ALL	447556.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04
389	ALL	447956.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04
601	ALL	448116.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-04
277	ALL	447756.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.19E-04
276	ALL	447736.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-04
278	ALL	447776.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.17E-04
1098	ALL	448276.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-04
275	ALL	447716.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04
279	ALL	447796.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04
618	ALL	447436.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-04
726	ALL	448216.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04
1128	ALL	448196.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04
736	ALL	447396.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04
418	ALL	447516.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04
654	ALL	448156.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.04E-04
320	ALL	447596.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-04
274	ALL	447696.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.02E-04
280	ALL	447816.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04
797	ALL	447376.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04
1121	ALL	448056.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04
336	ALL	447916.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04
443	ALL	448016.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04
496	ALL	448056.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04
822	ALL	448296.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04
273	ALL	447676.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04
852	ALL	448316.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04
281	ALL	447836.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.87E-04
1114	ALL	448256.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04
668	ALL	447416.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04
791	ALL	448276.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04
1067	ALL	448336.8	3753202	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04
1083	ALL	448316.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04
390	ALL	447976.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04
693	ALL	448196.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04
549	ALL	448096.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04
1142	ALL	448136.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-04
1141	ALL	448116.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-04
865	ALL	448336.8	3752902	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-04
1129	ALL	448216.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04
272	ALL	447656.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04
759	ALL	448256.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04
368	ALL	447536.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.73E-04
1099	ALL	448296.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04
602	ALL	448136.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04
282	ALL	447856.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04
319	ALL	447576.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04
1143	ALL	448156.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-04
337	ALL	447936.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E-04
1140	ALL	448096.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-04
766	ALL	447376.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04
517	ALL	447456.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04
271	ALL	447636.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04

467	ALL	447476.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-04
727	ALL	448236.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-04
704	ALL	447396.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04
655	ALL	448176.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.54E-04
283	ALL	447876.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04
444	ALL	448036.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04
1115	ALL	448276.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04
1130	ALL	448236.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04
567	ALL	447436.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04
391	ALL	447996.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-04
497	ALL	448076.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04
1144	ALL	448176.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.45E-04
417	ALL	447496.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04
1084	ALL	448336.8	3753222	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-04
1120	ALL	448036.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04
550	ALL	448116.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.37E-04
826	ALL	447356.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04
270	ALL	447616.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04
823	ALL	448316.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04
694	ALL	448216.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04
1100	ALL	448316.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04
853	ALL	448336.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04
338	ALL	447956.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-04
792	ALL	448296.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04
318	ALL	447556.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04
617	ALL	447416.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04
284	ALL	447896.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-04
603	ALL	448156.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04
1145	ALL	448196.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04
367	ALL	447516.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04
760	ALL	448276.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04
1139	ALL	448076.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E-04
226	ALL	447756.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04
735	ALL	447376.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04
227	ALL	447776.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04
225	ALL	447736.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-04
1131	ALL	448256.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04
1116	ALL	448296.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04
228	ALL	447796.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04
224	ALL	447716.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04
269	ALL	447596.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-04
445	ALL	448056.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04
392	ALL	448016.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-04
656	ALL	448196.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04
796	ALL	447356.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.08E-04
728	ALL	448256.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04
229	ALL	447816.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04
223	ALL	447696.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04
667	ALL	447396.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.06E-04
285	ALL	447916.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04
498	ALL	448096.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04
1119	ALL	448016.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-04
1146	ALL	448216.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04
339	ALL	447976.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04
222	ALL	447676.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04
230	ALL	447836.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04
1101	ALL	448336.8	3753242	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04
551	ALL	448136.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04

466	ALL	447456.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04
317	ALL	447536.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-04
1159	ALL	448136.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-04
516	ALL	447436.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04
1132	ALL	448276.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04
695	ALL	448236.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04
416	ALL	447476.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04
824	ALL	448336.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04
268	ALL	447576.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04
221	ALL	447656.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04
793	ALL	448316.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04
231	ALL	447856.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04
604	ALL	448176.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04
1117	ALL	448316.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04
286	ALL	447936.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04
1160	ALL	448156.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04
703	ALL	447376.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04
1147	ALL	448236.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04
765	ALL	447356.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04
566	ALL	447416.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04
761	ALL	448296.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-04
1158	ALL	448116.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04
393	ALL	448036.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04
366	ALL	447496.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04
446	ALL	448076.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04
340	ALL	447996.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04
220	ALL	447636.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.68E-04
232	ALL	447876.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04
657	ALL	448216.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04
1161	ALL	448176.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04
499	ALL	448116.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04
729	ALL	448276.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-04
1133	ALL	448296.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04
616	ALL	447396.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.58E-04
1138	ALL	448056.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-04
287	ALL	447956.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04
825	ALL	447336.8	3752882	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04
552	ALL	448156.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04
1148	ALL	448256.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.53E-04
267	ALL	447556.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.52E-04
219	ALL	447616.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04
316	ALL	447516.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-04
233	ALL	447896.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04
1162	ALL	448196.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04
1118	ALL	448336.8	3753262	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E-04
696	ALL	448256.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-04
734	ALL	447356.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04
1157	ALL	448096.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-04
605	ALL	448196.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-04
394	ALL	448056.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04
794	ALL	448336.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04
341	ALL	448016.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04
666	ALL	447376.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04
175	ALL	447756.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04
176	ALL	447776.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04
174	ALL	447736.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04
447	ALL	448096.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-04
465	ALL	447436.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04

415	ALL	447456.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04
177	ALL	447796.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04
762	ALL	448316.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04
218	ALL	447596.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04
173	ALL	447716.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04
1163	ALL	448216.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04
795	ALL	447336.8	3752862	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-04
1134	ALL	448316.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04
234	ALL	447916.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-04
1149	ALL	448276.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-04
288	ALL	447976.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04
500	ALL	448136.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04
178	ALL	447816.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04
515	ALL	447416.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04
658	ALL	448236.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04
365	ALL	447476.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04
172	ALL	447696.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-04
730	ALL	448296.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04
266	ALL	447536.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04
179	ALL	447836.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04
171	ALL	447676.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04
553	ALL	448176.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04
565	ALL	447396.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04
1164	ALL	448236.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04
1137	ALL	448036.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04
702	ALL	447356.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04
235	ALL	447936.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04
1176	ALL	448136.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04
217	ALL	447576.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-04
315	ALL	447496.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-04
342	ALL	448036.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04
180	ALL	447856.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-04
697	ALL	448276.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04
395	ALL	448076.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04
764	ALL	447336.8	3752842	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-04
170	ALL	447656.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04
1150	ALL	448296.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.05E-04
1177	ALL	448156.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04
606	ALL	448216.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04
1135	ALL	448336.8	3753282	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04
289	ALL	447996.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04
448	ALL	448116.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04
1156	ALL	448076.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04
615	ALL	447376.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04
181	ALL	447876.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04
1165	ALL	448256.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04
1178	ALL	448176.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04
1175	ALL	448116.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04
169	ALL	447636.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04
763	ALL	448336.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04
501	ALL	448156.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.91E-04
1136	ALL	448016.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04
659	ALL	448256.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04
236	ALL	447956.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-04
265	ALL	447516.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04
216	ALL	447556.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-04
414	ALL	447436.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04
731	ALL	448316.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04

1151	ALL	448316.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04
554	ALL	448196.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04
1179	ALL	448196.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04
182	ALL	447896.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04
364	ALL	447456.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04
464	ALL	447416.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04
168	ALL	447616.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04
733	ALL	447336.8	3752822	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04
343	ALL	448056.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.77E-04
665	ALL	447356.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04
290	ALL	448016.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-04
1166	ALL	448276.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04
396	ALL	448096.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04
514	ALL	447396.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04
698	ALL	448296.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04
607	ALL	448236.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04
314	ALL	447476.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-04
1180	ALL	448216.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04
449	ALL	448136.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04
124	ALL	447756.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04
237	ALL	447976.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04
125	ALL	447776.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04
183	ALL	447916.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04
123	ALL	447736.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04
167	ALL	447596.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04
126	ALL	447796.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04
122	ALL	447716.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04
502	ALL	448176.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04
1152	ALL	448336.8	3753302	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04
1174	ALL	448096.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04
127	ALL	447816.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04
564	ALL	447376.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04
215	ALL	447536.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04
121	ALL	447696.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04
1167	ALL	448296.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04
660	ALL	448276.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04
1181	ALL	448236.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04
1155	ALL	448056.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04
264	ALL	447496.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04
128	ALL	447836.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04
701	ALL	447336.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04
291	ALL	448036.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04
555	ALL	448216.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04
344	ALL	448076.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04
120	ALL	447676.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04
184	ALL	447936.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04
732	ALL	448336.8	3752802	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-04
166	ALL	447576.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04
397	ALL	448116.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04
238	ALL	447996.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04
129	ALL	447856.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04
1193	ALL	448136.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04
614	ALL	447356.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04
119	ALL	447656.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.39E-04
1182	ALL	448256.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04
1194	ALL	448156.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04
608	ALL	448256.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04
450	ALL	448156.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04

363	ALL	447436.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04
699	ALL	448316.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04
413	ALL	447416.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04
1168	ALL	448316.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04
130	ALL	447876.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.33E-04
463	ALL	447396.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04
1192	ALL	448116.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04
313	ALL	447456.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04
1195	ALL	448176.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-04
185	ALL	447956.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04
118	ALL	447636.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04
214	ALL	447516.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04
503	ALL	448196.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04
1154	ALL	448036.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04
165	ALL	447556.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04
292	ALL	448056.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-04
1183	ALL	448276.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-04
661	ALL	448296.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04
513	ALL	447376.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04
345	ALL	448096.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04
131	ALL	447896.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04
664	ALL	447336.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-04
1196	ALL	448196.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04
239	ALL	448016.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04
556	ALL	448236.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04
263	ALL	447476.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04
117	ALL	447616.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04
1153	ALL	448016.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04
1173	ALL	448076.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04
398	ALL	448136.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04
1169	ALL	448336.8	3753322	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04
186	ALL	447976.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04
1197	ALL	448216.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04
1191	ALL	448096.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04
451	ALL	448176.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04
132	ALL	447916.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04
563	ALL	447356.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-04
1184	ALL	448296.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04
609	ALL	448276.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04
700	ALL	448336.8	3752782	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04
73	ALL	447756.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04
74	ALL	447776.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04
116	ALL	447596.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04
72	ALL	447736.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04
75	ALL	447796.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04
164	ALL	447536.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04
213	ALL	447496.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04
71	ALL	447716.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04
504	ALL	448216.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04
76	ALL	447816.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04
1198	ALL	448236.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04
293	ALL	448076.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04
240	ALL	448036.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04
362	ALL	447416.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.96E-04
70	ALL	447696.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-04
346	ALL	448116.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04
77	ALL	447836.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04
412	ALL	447396.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04

133	ALL	447936.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04
312	ALL	447436.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04
662	ALL	448316.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-04
613	ALL	447336.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04
187	ALL	447996.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04
1185	ALL	448316.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04
557	ALL	448256.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.90E-04
69	ALL	447676.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04
1172	ALL	448056.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04
115	ALL	447576.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04
399	ALL	448156.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04
1199	ALL	448256.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04
78	ALL	447856.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04
462	ALL	447376.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04
262	ALL	447456.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04
1171	ALL	448036.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-04
1190	ALL	448076.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04
1210	ALL	448136.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04
68	ALL	447656.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04
1170	ALL	448016.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04
452	ALL	448196.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-04
1211	ALL	448156.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04
610	ALL	448296.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04
79	ALL	447876.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04
163	ALL	447516.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04
1209	ALL	448116.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04
134	ALL	447956.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04
512	ALL	447356.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04
241	ALL	448056.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04
1200	ALL	448276.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-04
1186	ALL	448336.8	3753342	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04
294	ALL	448096.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-04
67	ALL	447636.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04
1212	ALL	448176.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04
505	ALL	448236.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04
212	ALL	447476.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04
188	ALL	448016.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04
114	ALL	447556.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04
347	ALL	448136.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04
80	ALL	447896.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04
1208	ALL	448096.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04
1213	ALL	448196.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04
663	ALL	448336.8	3752762	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04
1189	ALL	448056.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04
558	ALL	448276.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04
66	ALL	447616.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04
400	ALL	448176.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04
562	ALL	447336.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-04
1201	ALL	448296.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04
135	ALL	447976.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04
361	ALL	447396.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04
1188	ALL	448036.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04
1214	ALL	448216.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04
311	ALL	447416.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04
81	ALL	447916.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04
453	ALL	448216.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04
1207	ALL	448076.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04
411	ALL	447376.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-04

162	ALL	447496.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04
242	ALL	448076.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-04
113	ALL	447536.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04
261	ALL	447436.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-04
1187	ALL	448016.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04
611	ALL	448316.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04
189	ALL	448036.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04
23	ALL	447776.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04
65	ALL	447596.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04
22	ALL	447756.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04
24	ALL	447796.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04
295	ALL	448116.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.51E-04
21	ALL	447736.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04
1215	ALL	448236.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-04
1202	ALL	448316.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-04
25	ALL	447816.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
506	ALL	448256.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
20	ALL	447716.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04
461	ALL	447356.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04
82	ALL	447936.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04
136	ALL	447996.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04
348	ALL	448156.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04
26	ALL	447836.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04
211	ALL	447456.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04
19	ALL	447696.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04
1206	ALL	448056.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04
1216	ALL	448256.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-04
64	ALL	447576.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04
401	ALL	448196.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04
559	ALL	448296.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04
27	ALL	447856.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04
18	ALL	447676.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-04
511	ALL	447336.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04
1203	ALL	448336.8	3753362	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04
112	ALL	447516.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04
83	ALL	447956.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04
190	ALL	448056.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04
243	ALL	448096.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04
454	ALL	448236.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04
17	ALL	447656.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04
28	ALL	447876.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-04
1217	ALL	448276.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04
1229	ALL	448116.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04
161	ALL	447476.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04
1230	ALL	448136.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04
137	ALL	448016.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04
296	ALL	448136.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04
1205	ALL	448036.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04
612	ALL	448336.8	3752742	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04
1231	ALL	448156.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04
1228	ALL	448096.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04
310	ALL	447396.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04
63	ALL	447556.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04
16	ALL	447636.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04
360	ALL	447376.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04
507	ALL	448276.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04
29	ALL	447896.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04
260	ALL	447416.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04

349	ALL	448176.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04
1204	ALL	448016.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04
1232	ALL	448176.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04
1227	ALL	448076.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04
1218	ALL	448296.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04
84	ALL	447976.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04
410	ALL	447356.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-04
1233	ALL	448196.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04
210	ALL	447436.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04
402	ALL	448216.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04
15	ALL	447616.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04
560	ALL	448316.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04
30	ALL	447916.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04
191	ALL	448076.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04
111	ALL	447496.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04
138	ALL	448036.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04
244	ALL	448116.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04
1234	ALL	448216.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.12E-04
1226	ALL	448056.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04
460	ALL	447336.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04
62	ALL	447536.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04
1219	ALL	448316.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04
455	ALL	448256.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04
297	ALL	448156.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04
14	ALL	447596.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04
160	ALL	447456.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04
1235	ALL	448236.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04
85	ALL	447996.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04
31	ALL	447936.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.04E-04
508	ALL	448296.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04
350	ALL	448196.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04
1220	ALL	448336.8	3753382	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04
1236	ALL	448256.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04
1225	ALL	448036.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04
13	ALL	447576.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-04
403	ALL	448236.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04
309	ALL	447376.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04
192	ALL	448096.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04
259	ALL	447396.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04
139	ALL	448056.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.95E-04
61	ALL	447516.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04
561	ALL	448336.8	3752722	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04
110	ALL	447476.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04
32	ALL	447956.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.93E-04
359	ALL	447356.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
245	ALL	448136.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
209	ALL	447416.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-04
1237	ALL	448276.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04
86	ALL	448016.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04
456	ALL	448276.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04
298	ALL	448176.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04
409	ALL	447336.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
1224	ALL	448016.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04
1250	ALL	448116.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04
1249	ALL	448096.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04
12	ALL	447556.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04
1251	ALL	448136.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04
159	ALL	447436.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04

1238	ALL	448296.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
351	ALL	448216.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
1252	ALL	448156.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04
509	ALL	448316.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
33	ALL	447976.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04
1248	ALL	448076.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04
140	ALL	448076.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04
1253	ALL	448176.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04
193	ALL	448116.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04
60	ALL	447496.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04
87	ALL	448036.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04
404	ALL	448256.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04
1254	ALL	448196.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
1239	ALL	448316.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
246	ALL	448156.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04
1247	ALL	448056.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04
109	ALL	447456.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04
11	ALL	447536.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04
1255	ALL	448216.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04
457	ALL	448296.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
34	ALL	447996.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
299	ALL	448196.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04
258	ALL	447376.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04
308	ALL	447356.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04
208	ALL	447396.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04
1256	ALL	448236.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04
1240	ALL	448336.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04
352	ALL	448236.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-04
358	ALL	447336.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04
510	ALL	448336.8	3752702	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04
141	ALL	448096.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04
88	ALL	448056.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04
158	ALL	447416.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-04
1257	ALL	448256.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04
194	ALL	448136.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04
59	ALL	447476.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04
1246	ALL	448036.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04
10	ALL	447516.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04
405	ALL	448276.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04
35	ALL	448016.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-04
247	ALL	448176.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04
1258	ALL	448276.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04
108	ALL	447436.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04
458	ALL	448316.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04
300	ALL	448216.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.50E-04
1259	ALL	448296.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04
89	ALL	448076.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04
142	ALL	448116.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04
1245	ALL	448016.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04
353	ALL	448256.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-04
1271	ALL	448116.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04
1270	ALL	448096.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04
9	ALL	447496.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
36	ALL	448036.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
1272	ALL	448136.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
257	ALL	447356.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
195	ALL	448156.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
207	ALL	447376.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04

58	ALL	447456.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-04
1273	ALL	448156.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04
1260	ALL	448316.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
1269	ALL	448076.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
307	ALL	447336.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-04
157	ALL	447396.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04
406	ALL	448296.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04
1274	ALL	448176.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04
248	ALL	448196.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-04
1275	ALL	448196.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04
107	ALL	447416.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
1268	ALL	448056.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
459	ALL	448336.8	3752682	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
301	ALL	448236.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
1261	ALL	448336.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
1276	ALL	448216.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
90	ALL	448096.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04
37	ALL	448056.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04
143	ALL	448136.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-04
1277	ALL	448236.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04
1223	ALL	447636.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04
8	ALL	447476.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
354	ALL	448276.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
196	ALL	448176.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-04
57	ALL	447436.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04
1278	ALL	448256.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04
407	ALL	448316.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
249	ALL	448216.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
1267	ALL	448036.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04
1222	ALL	447616.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04
1279	ALL	448276.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
206	ALL	447356.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
256	ALL	447336.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04
156	ALL	447376.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04
38	ALL	448076.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04
91	ALL	448116.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04
302	ALL	448256.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04
1221	ALL	447596.8	3753402	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04
144	ALL	448156.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
1280	ALL	448296.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
106	ALL	447396.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-04
7	ALL	447456.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04
355	ALL	448296.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04
197	ALL	448196.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04
1281	ALL	448316.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04
56	ALL	447416.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
1301	ALL	448116.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
1300	ALL	448096.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.08E-04
1266	ALL	448016.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
1302	ALL	448136.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
408	ALL	448336.8	3752662	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
250	ALL	448236.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04
1299	ALL	448076.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
1303	ALL	448156.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04
39	ALL	448096.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04
1304	ALL	448176.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
1282	ALL	448336.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
92	ALL	448136.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04

303	ALL	448276.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
1305	ALL	448196.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
145	ALL	448176.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04
6	ALL	447436.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
1306	ALL	448216.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
1298	ALL	448056.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
205	ALL	447336.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
155	ALL	447356.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04
356	ALL	448316.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04
198	ALL	448216.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
105	ALL	447376.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
1307	ALL	448236.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04
1244	ALL	447636.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04
1308	ALL	448256.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-04
251	ALL	448256.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
40	ALL	448116.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
55	ALL	447396.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
93	ALL	448156.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-04
1309	ALL	448276.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
1297	ALL	448036.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
1243	ALL	447616.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
304	ALL	448296.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
146	ALL	448196.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04
1242	ALL	447596.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
1310	ALL	448296.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
5	ALL	447416.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
1241	ALL	447576.8	3753422	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
357	ALL	448336.8	3752642	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
199	ALL	448236.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
1311	ALL	448316.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04
41	ALL	448136.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
154	ALL	447336.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
104	ALL	447356.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04
252	ALL	448276.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-04
94	ALL	448176.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
1296	ALL	448016.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-04
1312	ALL	448336.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
1330	ALL	448096.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
1331	ALL	448116.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
54	ALL	447376.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04
1329	ALL	448076.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
1332	ALL	448136.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04
1333	ALL	448156.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
305	ALL	448316.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-04
147	ALL	448216.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
1334	ALL	448176.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04
1335	ALL	448196.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04
4	ALL	447396.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-04
200	ALL	448256.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
1336	ALL	448216.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
1328	ALL	448056.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04
42	ALL	448156.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04
1337	ALL	448236.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04
1265	ALL	447636.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
253	ALL	448296.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
95	ALL	448196.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
1338	ALL	448256.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04
1339	ALL	448276.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04

103	ALL	447336.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
1327	ALL	448036.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
148	ALL	448236.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
306	ALL	448336.8	3752622	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04
53	ALL	447356.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04
1340	ALL	448296.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
1264	ALL	447616.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
201	ALL	448276.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-04
3	ALL	447376.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
43	ALL	448176.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-04
1341	ALL	448316.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
1263	ALL	447596.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04
1262	ALL	447576.8	3753442	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
254	ALL	448316.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
96	ALL	448216.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04
1292	ALL	447696.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
1342	ALL	448336.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04
1326	ALL	448016.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04
1293	ALL	447716.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
149	ALL	448256.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04
1291	ALL	447676.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04
1360	ALL	448096.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04
1359	ALL	448076.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04
1361	ALL	448116.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04
1362	ALL	448136.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
1294	ALL	447736.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04
1363	ALL	448156.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04
1364	ALL	448176.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
202	ALL	448296.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
52	ALL	447336.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
44	ALL	448196.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
1295	ALL	447756.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
1365	ALL	448196.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04
1358	ALL	448056.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-04
1366	ALL	448216.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
1290	ALL	447656.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
2	ALL	447356.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04
97	ALL	448236.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
255	ALL	448336.8	3752602	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
1367	ALL	448236.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-04
1357	ALL	448036.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
1368	ALL	448256.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04
150	ALL	448276.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
1289	ALL	447636.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
1369	ALL	448276.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04
1370	ALL	448296.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
203	ALL	448316.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04
45	ALL	448216.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
1288	ALL	447616.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04
1371	ALL	448316.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04
1356	ALL	448016.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04
98	ALL	448256.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-04
1372	ALL	448336.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04
1	ALL	447336.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E-04
1287	ALL	447596.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04
151	ALL	448296.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-04
1286	ALL	447576.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04
1322	ALL	447696.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-04

1285	ALL	447556.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
46	ALL	448236.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
204	ALL	448336.8	3752582	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
1389	ALL	448076.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
1390	ALL	448096.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
1391	ALL	448116.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
1323	ALL	447716.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-04
1392	ALL	448136.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-04
1393	ALL	448156.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04
1321	ALL	447676.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04
1394	ALL	448176.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
1324	ALL	447736.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
1388	ALL	448056.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
99	ALL	448276.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-04
1395	ALL	448196.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
1284	ALL	447536.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04
1396	ALL	448216.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-04
1325	ALL	447756.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
1320	ALL	447656.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
1397	ALL	448236.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
1387	ALL	448036.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04
152	ALL	448316.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04
1398	ALL	448256.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04
1283	ALL	447516.8	3753462	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-04
1399	ALL	448276.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-04
47	ALL	448256.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04
1319	ALL	447636.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
1400	ALL	448296.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04
1386	ALL	448016.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04
100	ALL	448296.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
1401	ALL	448316.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-04
1318	ALL	447616.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-04
1402	ALL	448336.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04
153	ALL	448336.8	3752562	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-04
48	ALL	448276.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04
1317	ALL	447596.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04
101	ALL	448316.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
1316	ALL	447576.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
1315	ALL	447556.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.99E-04
1352	ALL	447696.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04
1351	ALL	447676.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
1353	ALL	447716.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04
1354	ALL	447736.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04
49	ALL	448296.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
1350	ALL	447656.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
1355	ALL	447756.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04
1314	ALL	447536.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04
102	ALL	448336.8	3752542	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
1349	ALL	447636.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
1313	ALL	447516.8	3753482	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-04
1348	ALL	447616.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
50	ALL	448316.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04
1347	ALL	447596.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04
1346	ALL	447576.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04
51	ALL	448336.8	3752522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04
1382	ALL	447696.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
1381	ALL	447676.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
1383	ALL	447716.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04

1345	ALL	447556.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04
1384	ALL	447736.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
1380	ALL	447656.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-04
1385	ALL	447756.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04
1344	ALL	447536.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-04
1379	ALL	447636.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04
1343	ALL	447516.8	3753502	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04
1378	ALL	447616.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04
1377	ALL	447596.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04
1376	ALL	447576.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04
1375	ALL	447556.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04
1374	ALL	447536.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04
1373	ALL	447516.8	3753522	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04

HARP Project Summary Report 4/23/2019 10:38:42 AM

PROJECT INFORMATION
HARP Version: 19044
Project Name: NORCO_SCH
Project Output Directory: C:\Users\mmorales\Dropbox\11283 - Norco College\HRA\HARP2\NORCO_SCH
HARP Database: NA

FACILITY INFORMATION
Origin
X (m):0
Y (m):0
Zone:1
No. of Sources:0
No. of Buildings:0

EMISSION INVENTORY
No. of Pollutants:1
No. of Background Pollutants:0

Emissions

ScrID	StkID	ProID	PolID	PolAbbrev	Multi	Annual Ems	MaxHr Ems	MWAF
						(lbs/yr)	(lbs/hr)	
SLINE1	0	0	9901	DieselExhPM	1	218	0.14	1

Background

PolID	PolAbbrev	Conc (ug/m^3)	MWAF

Ground level concentration files (\glc\)

9901MAXHR.txt
9901PER.txt

POLLUTANT HEALTH INFORMATION
Health Database: C:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH18232
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1			5		

AIR DISPERSION MODELING INFORMATION
Versions used in HARP. All executables were obtained from USEPA's Support Center for Regulatory Atmospheric Modeling website (http://www.epa.gov/scram001/)
AERMOD: 18081
AERMAP: 18081
BPIPPRM: 04274
AERPLOT: 13329

METEOROLOGICAL INFORMATION
Version:
Surface File:
Profile File:
Surface Station:
Upper Station:
On-Site Station:

LIST OF AIR DISPERSION FILES
AERMOD Input File:
AERMOD Output File:
AERMOD Error File:
Plotfile list

01H1GALL.PLT
PE00GALL.PLT

LIST OF RISK ASSESSMENT FILES

Health risk analysis files (\hra\)

School_CancerRisk.csv
School_CancerRiskSumByRec.csv
School_GLCList.csv
School_HRAInput.hra
School_NCAcuteRisk.csv
School_NCAcuteRiskSumByRec.csv
School_NCChronicRisk.csv
School_NCChronicRiskSumByRec.csv
School_Output.txt
School_PathwayRec.csv
School_PolDB.csv

Spatial averaging files (\sa\)

Norco Veterans Center - Construction Health Risk Assessment - School Cancer Risk, Unmitigated

*HARP - HRACalc v19044 4/23/2019 10:44:06 AM - Cancer Risk, Sorted from Max to Min

REC	GRP	NETID	X	Y	RISK_SUM	SCENARIO	INH_RISK	SOIL_RISK	DERMAL_F	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISI	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_I	EGG_RISK
6	ALL		447797.7	3752961	1.13E-06	0.74YrCancerDerived_Inh	1.13E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	ALL		447857.7	3753001	1.01E-06	0.74YrCancerDerived_Inh	1.01E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	ALL		447817.7	3752961	9.68E-07	0.74YrCancerDerived_Inh	9.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	ALL		447857.7	3752981	8.34E-07	0.74YrCancerDerived_Inh	8.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	ALL		447857.7	3753021	7.76E-07	0.74YrCancerDerived_Inh	7.76E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	ALL		447837.7	3752961	7.39E-07	0.74YrCancerDerived_Inh	7.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1	ALL		447797.7	3752941	6.71E-07	0.74YrCancerDerived_Inh	6.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	ALL		447877.7	3753001	6.23E-07	0.74YrCancerDerived_Inh	6.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	ALL		447817.7	3752941	5.48E-07	0.74YrCancerDerived_Inh	5.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	ALL		447857.7	3752961	5.28E-07	0.74YrCancerDerived_Inh	5.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	ALL		447877.7	3752981	5.27E-07	0.74YrCancerDerived_Inh	5.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	ALL		447877.7	3753021	5.17E-07	0.74YrCancerDerived_Inh	5.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	ALL		447837.7	3752941	4.34E-07	0.74YrCancerDerived_Inh	4.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	ALL		447877.7	3752961	3.69E-07	0.74YrCancerDerived_Inh	3.69E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	ALL		447857.7	3752941	3.33E-07	0.74YrCancerDerived_Inh	3.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	ALL		447877.7	3752941	2.56E-07	0.74YrCancerDerived_Inh	2.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	ALL		447837.7	3753081	1.33E-07	0.74YrCancerDerived_Inh	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	ALL		447817.7	3753081	1.33E-07	0.74YrCancerDerived_Inh	1.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	ALL		447797.7	3753081	1.27E-07	0.74YrCancerDerived_Inh	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	ALL		447857.7	3753081	1.27E-07	0.74YrCancerDerived_Inh	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	ALL		447777.7	3753081	1.19E-07	0.74YrCancerDerived_Inh	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	ALL		447877.7	3753081	1.19E-07	0.74YrCancerDerived_Inh	1.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	ALL		447837.7	3753101	8.12E-08	0.74YrCancerDerived_Inh	8.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	ALL		447817.7	3753101	8.02E-08	0.74YrCancerDerived_Inh	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	ALL		447857.7	3753101	8.02E-08	0.74YrCancerDerived_Inh	8.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	ALL		447797.7	3753101	7.83E-08	0.74YrCancerDerived_Inh	7.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	ALL		447877.7	3753101	7.76E-08	0.74YrCancerDerived_Inh	7.76E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	ALL		447777.7	3753101	7.57E-08	0.74YrCancerDerived_Inh	7.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	ALL		447837.7	3753121	5.39E-08	0.74YrCancerDerived_Inh	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	ALL		447817.7	3753121	5.36E-08	0.74YrCancerDerived_Inh	5.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	ALL		447857.7	3753121	5.35E-08	0.74YrCancerDerived_Inh	5.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	ALL		447877.7	3753121	5.31E-08	0.74YrCancerDerived_Inh	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	ALL		447797.7	3753121	5.30E-08	0.74YrCancerDerived_Inh	5.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	ALL		447897.7	3753121	5.29E-08	0.74YrCancerDerived_Inh	5.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	ALL		447777.7	3753121	5.21E-08	0.74YrCancerDerived_Inh	5.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	ALL		447897.7	3753141	3.88E-08	0.74YrCancerDerived_Inh	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
117	ALL		447837.7	3753141	3.86E-08	0.74YrCancerDerived_Inh	3.86E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	ALL		447857.7	3753141	3.85E-08	0.74YrCancerDerived_Inh	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	ALL		447877.7	3753141	3.85E-08	0.74YrCancerDerived_Inh	3.85E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	ALL		447817.7	3753141	3.84E-08	0.74YrCancerDerived_Inh	3.84E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	ALL		447797.7	3753141	3.82E-08	0.74YrCancerDerived_Inh	3.82E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	ALL		447777.7	3753141	3.78E-08	0.74YrCancerDerived_Inh	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	ALL		447557.7	3753101	2.93E-08	0.74YrCancerDerived_Inh	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	ALL		447837.7	3753161	2.92E-08	0.74YrCancerDerived_Inh	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	ALL		447857.7	3753161	2.92E-08	0.74YrCancerDerived_Inh	2.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	ALL		447897.7	3753161	2.91E-08	0.74YrCancerDerived_Inh	2.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	ALL		447817.7	3753161	2.90E-08	0.74YrCancerDerived_Inh	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	ALL		447877.7	3753161	2.90E-08	0.74YrCancerDerived_Inh	2.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	ALL		447797.7	3753161	2.89E-08	0.74YrCancerDerived_Inh	2.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	ALL		447777.7	3753161	2.88E-08	0.74YrCancerDerived_Inh	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

63	ALL	447537.7	3753101	2.54E-08	0.74YrCancerDerived_Inh	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	ALL	447557.7	3753121	2.46E-08	0.74YrCancerDerived_Inh	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	ALL	447837.7	3753181	2.27E-08	0.74YrCancerDerived_Inh	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	ALL	447777.7	3753181	2.27E-08	0.74YrCancerDerived_Inh	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	ALL	447857.7	3753181	2.27E-08	0.74YrCancerDerived_Inh	2.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	ALL	447817.7	3753181	2.26E-08	0.74YrCancerDerived_Inh	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	ALL	447797.7	3753181	2.26E-08	0.74YrCancerDerived_Inh	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	ALL	447897.7	3753181	2.26E-08	0.74YrCancerDerived_Inh	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	ALL	447877.7	3753181	2.25E-08	0.74YrCancerDerived_Inh	2.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	ALL	447517.7	3753101	2.22E-08	0.74YrCancerDerived_Inh	2.22E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	ALL	447537.7	3753121	2.17E-08	0.74YrCancerDerived_Inh	2.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	ALL	447557.7	3753141	2.15E-08	0.74YrCancerDerived_Inh	2.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	ALL	447497.7	3753101	1.99E-08	0.74YrCancerDerived_Inh	1.99E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	ALL	447517.7	3753121	1.92E-08	0.74YrCancerDerived_Inh	1.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	ALL	447557.7	3753161	1.90E-08	0.74YrCancerDerived_Inh	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	ALL	447537.7	3753141	1.87E-08	0.74YrCancerDerived_Inh	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	ALL	447477.7	3753101	1.80E-08	0.74YrCancerDerived_Inh	1.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	ALL	447497.7	3753121	1.75E-08	0.74YrCancerDerived_Inh	1.75E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	ALL	447437.7	3753061	1.71E-08	0.74YrCancerDerived_Inh	1.71E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	ALL	447537.7	3753161	1.68E-08	0.74YrCancerDerived_Inh	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	ALL	447557.7	3753181	1.68E-08	0.74YrCancerDerived_Inh	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	ALL	447517.7	3753141	1.68E-08	0.74YrCancerDerived_Inh	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	ALL	447457.7	3753101	1.64E-08	0.74YrCancerDerived_Inh	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	ALL	447477.7	3753121	1.64E-08	0.74YrCancerDerived_Inh	1.64E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	ALL	447437.7	3753081	1.62E-08	0.74YrCancerDerived_Inh	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	ALL	447537.7	3753181	1.58E-08	0.74YrCancerDerived_Inh	1.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	ALL	447497.7	3753141	1.55E-08	0.74YrCancerDerived_Inh	1.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	ALL	447417.7	3753061	1.53E-08	0.74YrCancerDerived_Inh	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	ALL	447457.7	3753121	1.52E-08	0.74YrCancerDerived_Inh	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	ALL	447517.7	3753161	1.52E-08	0.74YrCancerDerived_Inh	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
58	ALL	447437.7	3753101	1.51E-08	0.74YrCancerDerived_Inh	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	ALL	447477.7	3753141	1.50E-08	0.74YrCancerDerived_Inh	1.50E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
188	ALL	447557.7	3753201	1.48E-08	0.74YrCancerDerived_Inh	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	ALL	447417.7	3753081	1.46E-08	0.74YrCancerDerived_Inh	1.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	ALL	447497.7	3753161	1.44E-08	0.74YrCancerDerived_Inh	1.44E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	ALL	447517.7	3753181	1.43E-08	0.74YrCancerDerived_Inh	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
187	ALL	447537.7	3753201	1.41E-08	0.74YrCancerDerived_Inh	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	ALL	447437.7	3753121	1.41E-08	0.74YrCancerDerived_Inh	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	ALL	447457.7	3753141	1.41E-08	0.74YrCancerDerived_Inh	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	ALL	447477.7	3753161	1.41E-08	0.74YrCancerDerived_Inh	1.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	ALL	447417.7	3753101	1.38E-08	0.74YrCancerDerived_Inh	1.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	ALL	447397.7	3753061	1.37E-08	0.74YrCancerDerived_Inh	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	ALL	447497.7	3753181	1.37E-08	0.74YrCancerDerived_Inh	1.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
186	ALL	447517.7	3753201	1.33E-08	0.74YrCancerDerived_Inh	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
206	ALL	447557.7	3753221	1.32E-08	0.74YrCancerDerived_Inh	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	ALL	447397.7	3753081	1.31E-08	0.74YrCancerDerived_Inh	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	ALL	447457.7	3753161	1.31E-08	0.74YrCancerDerived_Inh	1.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	ALL	447437.7	3753141	1.30E-08	0.74YrCancerDerived_Inh	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	ALL	447477.7	3753181	1.30E-08	0.74YrCancerDerived_Inh	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	ALL	447417.7	3753121	1.29E-08	0.74YrCancerDerived_Inh	1.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
205	ALL	447537.7	3753221	1.26E-08	0.74YrCancerDerived_Inh	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
185	ALL	447497.7	3753201	1.26E-08	0.74YrCancerDerived_Inh	1.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	ALL	447397.7	3753101	1.25E-08	0.74YrCancerDerived_Inh	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

25	ALL	447377.7	3753061	1.23E-08	0.74YrCancerDerived_Inh	1.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	ALL	447437.7	3753161	1.21E-08	0.74YrCancerDerived_Inh	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	ALL	447457.7	3753181	1.21E-08	0.74YrCancerDerived_Inh	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	ALL	447417.7	3753141	1.21E-08	0.74YrCancerDerived_Inh	1.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
204	ALL	447517.7	3753221	1.20E-08	0.74YrCancerDerived_Inh	1.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
184	ALL	447477.7	3753201	1.19E-08	0.74YrCancerDerived_Inh	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	ALL	447377.7	3753081	1.18E-08	0.74YrCancerDerived_Inh	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
224	ALL	447557.7	3753241	1.18E-08	0.74YrCancerDerived_Inh	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	ALL	447397.7	3753121	1.18E-08	0.74YrCancerDerived_Inh	1.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
203	ALL	447497.7	3753221	1.15E-08	0.74YrCancerDerived_Inh	1.15E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
223	ALL	447537.7	3753241	1.14E-08	0.74YrCancerDerived_Inh	1.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	ALL	447377.7	3753101	1.13E-08	0.74YrCancerDerived_Inh	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	ALL	447437.7	3753181	1.13E-08	0.74YrCancerDerived_Inh	1.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	ALL	447417.7	3753161	1.12E-08	0.74YrCancerDerived_Inh	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
183	ALL	447457.7	3753201	1.12E-08	0.74YrCancerDerived_Inh	1.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	ALL	447357.7	3753061	1.11E-08	0.74YrCancerDerived_Inh	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	ALL	447397.7	3753141	1.11E-08	0.74YrCancerDerived_Inh	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
222	ALL	447517.7	3753241	1.09E-08	0.74YrCancerDerived_Inh	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
202	ALL	447477.7	3753221	1.09E-08	0.74YrCancerDerived_Inh	1.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	ALL	447377.7	3753121	1.07E-08	0.74YrCancerDerived_Inh	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	ALL	447357.7	3753081	1.07E-08	0.74YrCancerDerived_Inh	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242	ALL	447557.7	3753261	1.06E-08	0.74YrCancerDerived_Inh	1.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
221	ALL	447497.7	3753241	1.05E-08	0.74YrCancerDerived_Inh	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	ALL	447417.7	3753181	1.04E-08	0.74YrCancerDerived_Inh	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
182	ALL	447437.7	3753201	1.04E-08	0.74YrCancerDerived_Inh	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	ALL	447397.7	3753161	1.03E-08	0.74YrCancerDerived_Inh	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241	ALL	447537.7	3753261	1.03E-08	0.74YrCancerDerived_Inh	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	ALL	447357.7	3753101	1.03E-08	0.74YrCancerDerived_Inh	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
201	ALL	447457.7	3753221	1.02E-08	0.74YrCancerDerived_Inh	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	ALL	447377.7	3753141	1.01E-08	0.74YrCancerDerived_Inh	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	ALL	447337.7	3753061	1.01E-08	0.74YrCancerDerived_Inh	1.01E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240	ALL	447517.7	3753261	9.95E-09	0.74YrCancerDerived_Inh	9.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
220	ALL	447477.7	3753241	9.95E-09	0.74YrCancerDerived_Inh	9.95E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	ALL	447357.7	3753121	9.79E-09	0.74YrCancerDerived_Inh	9.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	ALL	447337.7	3753081	9.72E-09	0.74YrCancerDerived_Inh	9.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
181	ALL	447417.7	3753201	9.64E-09	0.74YrCancerDerived_Inh	9.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	ALL	447397.7	3753181	9.63E-09	0.74YrCancerDerived_Inh	9.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
260	ALL	447557.7	3753281	9.59E-09	0.74YrCancerDerived_Inh	9.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239	ALL	447497.7	3753261	9.57E-09	0.74YrCancerDerived_Inh	9.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
200	ALL	447437.7	3753221	9.55E-09	0.74YrCancerDerived_Inh	9.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	ALL	447377.7	3753161	9.51E-09	0.74YrCancerDerived_Inh	9.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
219	ALL	447457.7	3753241	9.40E-09	0.74YrCancerDerived_Inh	9.40E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	ALL	447337.7	3753101	9.36E-09	0.74YrCancerDerived_Inh	9.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
259	ALL	447537.7	3753281	9.33E-09	0.74YrCancerDerived_Inh	9.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	ALL	447357.7	3753141	9.29E-09	0.74YrCancerDerived_Inh	9.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238	ALL	447477.7	3753261	9.14E-09	0.74YrCancerDerived_Inh	9.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	ALL	447317.7	3753061	9.13E-09	0.74YrCancerDerived_Inh	9.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
258	ALL	447517.7	3753281	9.07E-09	0.74YrCancerDerived_Inh	9.07E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	ALL	447337.7	3753121	8.97E-09	0.74YrCancerDerived_Inh	8.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
180	ALL	447397.7	3753201	8.94E-09	0.74YrCancerDerived_Inh	8.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	ALL	447377.7	3753181	8.90E-09	0.74YrCancerDerived_Inh	8.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	ALL	447317.7	3753081	8.87E-09	0.74YrCancerDerived_Inh	8.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
199	ALL	447417.7	3753221	8.86E-09	0.74YrCancerDerived_Inh	8.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

128	ALL	447357.7	3753161	8.77E-09	0.74YrCancerDerived_Inh	8.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
257	ALL	447497.7	3753281	8.75E-09	0.74YrCancerDerived_Inh	8.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
218	ALL	447437.7	3753241	8.71E-09	0.74YrCancerDerived_Inh	8.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237	ALL	447457.7	3753261	8.61E-09	0.74YrCancerDerived_Inh	8.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	ALL	447317.7	3753101	8.57E-09	0.74YrCancerDerived_Inh	8.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	ALL	447337.7	3753141	8.54E-09	0.74YrCancerDerived_Inh	8.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
256	ALL	447477.7	3753281	8.39E-09	0.74YrCancerDerived_Inh	8.39E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	ALL	447297.7	3753061	8.35E-09	0.74YrCancerDerived_Inh	8.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
179	ALL	447377.7	3753201	8.26E-09	0.74YrCancerDerived_Inh	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	ALL	447357.7	3753181	8.26E-09	0.74YrCancerDerived_Inh	8.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
198	ALL	447397.7	3753221	8.25E-09	0.74YrCancerDerived_Inh	8.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	ALL	447317.7	3753121	8.24E-09	0.74YrCancerDerived_Inh	8.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
217	ALL	447417.7	3753241	8.15E-09	0.74YrCancerDerived_Inh	8.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	ALL	447297.7	3753081	8.13E-09	0.74YrCancerDerived_Inh	8.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	ALL	447337.7	3753161	8.11E-09	0.74YrCancerDerived_Inh	8.11E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236	ALL	447437.7	3753261	7.94E-09	0.74YrCancerDerived_Inh	7.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
255	ALL	447457.7	3753281	7.92E-09	0.74YrCancerDerived_Inh	7.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	ALL	447317.7	3753141	7.88E-09	0.74YrCancerDerived_Inh	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	ALL	447297.7	3753101	7.88E-09	0.74YrCancerDerived_Inh	7.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
178	ALL	447357.7	3753201	7.67E-09	0.74YrCancerDerived_Inh	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	ALL	447337.7	3753181	7.67E-09	0.74YrCancerDerived_Inh	7.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	ALL	447277.7	3753061	7.66E-09	0.74YrCancerDerived_Inh	7.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
197	ALL	447377.7	3753221	7.65E-09	0.74YrCancerDerived_Inh	7.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	ALL	447297.7	3753121	7.60E-09	0.74YrCancerDerived_Inh	7.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
216	ALL	447397.7	3753241	7.56E-09	0.74YrCancerDerived_Inh	7.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	ALL	447317.7	3753161	7.51E-09	0.74YrCancerDerived_Inh	7.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	ALL	447277.7	3753081	7.48E-09	0.74YrCancerDerived_Inh	7.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235	ALL	447417.7	3753261	7.33E-09	0.74YrCancerDerived_Inh	7.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	ALL	447297.7	3753141	7.30E-09	0.74YrCancerDerived_Inh	7.30E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
254	ALL	447437.7	3753281	7.28E-09	0.74YrCancerDerived_Inh	7.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	ALL	447277.7	3753101	7.26E-09	0.74YrCancerDerived_Inh	7.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
177	ALL	447337.7	3753201	7.17E-09	0.74YrCancerDerived_Inh	7.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	ALL	447317.7	3753181	7.14E-09	0.74YrCancerDerived_Inh	7.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
196	ALL	447357.7	3753221	7.10E-09	0.74YrCancerDerived_Inh	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	ALL	447257.7	3753061	7.06E-09	0.74YrCancerDerived_Inh	7.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	ALL	447277.7	3753121	7.03E-09	0.74YrCancerDerived_Inh	7.03E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	ALL	447297.7	3753161	6.99E-09	0.74YrCancerDerived_Inh	6.99E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
215	ALL	447377.7	3753241	6.92E-09	0.74YrCancerDerived_Inh	6.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	ALL	447257.7	3753081	6.90E-09	0.74YrCancerDerived_Inh	6.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	ALL	447277.7	3753141	6.78E-09	0.74YrCancerDerived_Inh	6.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
176	ALL	447317.7	3753201	6.72E-09	0.74YrCancerDerived_Inh	6.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234	ALL	447397.7	3753261	6.71E-09	0.74YrCancerDerived_Inh	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	ALL	447257.7	3753101	6.71E-09	0.74YrCancerDerived_Inh	6.71E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	ALL	447297.7	3753181	6.67E-09	0.74YrCancerDerived_Inh	6.67E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
195	ALL	447337.7	3753221	6.65E-09	0.74YrCancerDerived_Inh	6.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
253	ALL	447417.7	3753281	6.59E-09	0.74YrCancerDerived_Inh	6.59E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	ALL	447237.7	3753061	6.52E-09	0.74YrCancerDerived_Inh	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	ALL	447257.7	3753121	6.52E-09	0.74YrCancerDerived_Inh	6.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	ALL	447277.7	3753161	6.51E-09	0.74YrCancerDerived_Inh	6.51E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	ALL	447237.7	3753081	6.38E-09	0.74YrCancerDerived_Inh	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
214	ALL	447357.7	3753241	6.38E-09	0.74YrCancerDerived_Inh	6.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
175	ALL	447297.7	3753201	6.34E-09	0.74YrCancerDerived_Inh	6.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	ALL	447257.7	3753141	6.31E-09	0.74YrCancerDerived_Inh	6.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

194	ALL	447317.7	3753221	6.28E-09	0.74YrCancerDerived_Inh	6.28E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	ALL	447277.7	3753181	6.24E-09	0.74YrCancerDerived_Inh	6.24E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	ALL	447237.7	3753101	6.22E-09	0.74YrCancerDerived_Inh	6.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233	ALL	447377.7	3753261	6.15E-09	0.74YrCancerDerived_Inh	6.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	ALL	447257.7	3753161	6.08E-09	0.74YrCancerDerived_Inh	6.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	ALL	447237.7	3753121	6.05E-09	0.74YrCancerDerived_Inh	6.05E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	ALL	447217.7	3753061	6.04E-09	0.74YrCancerDerived_Inh	6.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
252	ALL	447397.7	3753281	6.00E-09	0.74YrCancerDerived_Inh	6.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
193	ALL	447297.7	3753221	5.98E-09	0.74YrCancerDerived_Inh	5.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
174	ALL	447277.7	3753201	5.97E-09	0.74YrCancerDerived_Inh	5.97E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
213	ALL	447337.7	3753241	5.93E-09	0.74YrCancerDerived_Inh	5.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	ALL	447217.7	3753081	5.92E-09	0.74YrCancerDerived_Inh	5.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	ALL	447237.7	3753141	5.87E-09	0.74YrCancerDerived_Inh	5.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	ALL	447257.7	3753181	5.85E-09	0.74YrCancerDerived_Inh	5.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	ALL	447217.7	3753101	5.79E-09	0.74YrCancerDerived_Inh	5.79E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
212	ALL	447317.7	3753241	5.77E-09	0.74YrCancerDerived_Inh	5.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232	ALL	447357.7	3753261	5.73E-09	0.74YrCancerDerived_Inh	5.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
192	ALL	447277.7	3753221	5.69E-09	0.74YrCancerDerived_Inh	5.69E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	ALL	447237.7	3753161	5.68E-09	0.74YrCancerDerived_Inh	5.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	ALL	447217.7	3753121	5.64E-09	0.74YrCancerDerived_Inh	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
211	ALL	447297.7	3753241	5.64E-09	0.74YrCancerDerived_Inh	5.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
173	ALL	447257.7	3753201	5.62E-09	0.74YrCancerDerived_Inh	5.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
251	ALL	447377.7	3753281	5.54E-09	0.74YrCancerDerived_Inh	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	ALL	447237.7	3753181	5.49E-09	0.74YrCancerDerived_Inh	5.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	ALL	447217.7	3753141	5.48E-09	0.74YrCancerDerived_Inh	5.48E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
210	ALL	447277.7	3753241	5.41E-09	0.74YrCancerDerived_Inh	5.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
191	ALL	447257.7	3753221	5.38E-09	0.74YrCancerDerived_Inh	5.38E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231	ALL	447337.7	3753261	5.34E-09	0.74YrCancerDerived_Inh	5.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	ALL	447217.7	3753161	5.32E-09	0.74YrCancerDerived_Inh	5.32E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
172	ALL	447237.7	3753201	5.29E-09	0.74YrCancerDerived_Inh	5.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229	ALL	447297.7	3753261	5.25E-09	0.74YrCancerDerived_Inh	5.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
230	ALL	447317.7	3753261	5.20E-09	0.74YrCancerDerived_Inh	5.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
250	ALL	447357.7	3753281	5.19E-09	0.74YrCancerDerived_Inh	5.19E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	ALL	447217.7	3753181	5.15E-09	0.74YrCancerDerived_Inh	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
209	ALL	447257.7	3753241	5.15E-09	0.74YrCancerDerived_Inh	5.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228	ALL	447277.7	3753261	5.13E-09	0.74YrCancerDerived_Inh	5.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
190	ALL	447237.7	3753221	5.08E-09	0.74YrCancerDerived_Inh	5.08E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
171	ALL	447217.7	3753201	4.98E-09	0.74YrCancerDerived_Inh	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227	ALL	447257.7	3753261	4.92E-09	0.74YrCancerDerived_Inh	4.92E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
249	ALL	447337.7	3753281	4.90E-09	0.74YrCancerDerived_Inh	4.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
208	ALL	447237.7	3753241	4.88E-09	0.74YrCancerDerived_Inh	4.88E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
246	ALL	447277.7	3753281	4.86E-09	0.74YrCancerDerived_Inh	4.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
247	ALL	447297.7	3753281	4.84E-09	0.74YrCancerDerived_Inh	4.84E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
189	ALL	447217.7	3753221	4.80E-09	0.74YrCancerDerived_Inh	4.80E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
248	ALL	447317.7	3753281	4.75E-09	0.74YrCancerDerived_Inh	4.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
245	ALL	447257.7	3753281	4.70E-09	0.74YrCancerDerived_Inh	4.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226	ALL	447237.7	3753261	4.68E-09	0.74YrCancerDerived_Inh	4.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
207	ALL	447217.7	3753241	4.62E-09	0.74YrCancerDerived_Inh	4.62E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244	ALL	447237.7	3753281	4.49E-09	0.74YrCancerDerived_Inh	4.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
225	ALL	447217.7	3753261	4.45E-09	0.74YrCancerDerived_Inh	4.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243	ALL	447217.7	3753281	4.27E-09	0.74YrCancerDerived_Inh	4.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Norco Veterans Center - Construction Health Risk Assessment - School Chronic Risk, Unmitigated

*HARP - HRACalc v19044 4/23/2019 10:44:06 AM - Chronic Risk, Sorted Max to Min

REC	GRP	NETID	X	Y	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE'	RESP	SKIN	EYE	BONE/TEE'	ENDO	BLOOD	ODOR	GENERAL	MAXHI
6	ALL		447797.7	3752961	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-02
13	ALL		447857.7	3753001	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-02
7	ALL		447817.7	3752961	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-02
11	ALL		447857.7	3752981	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-02
15	ALL		447857.7	3753021	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-02
8	ALL		447837.7	3752961	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-02
1	ALL		447797.7	3752941	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-02
14	ALL		447877.7	3753001	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-02
2	ALL		447817.7	3752941	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-02
9	ALL		447857.7	3752961	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-02
12	ALL		447877.7	3752981	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-02
16	ALL		447877.7	3753021	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-02
3	ALL		447837.7	3752941	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-02
10	ALL		447877.7	3752961	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-02
4	ALL		447857.7	3752941	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-02
5	ALL		447877.7	3752941	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-02
44	ALL		447837.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-03
43	ALL		447817.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.90E-03
42	ALL		447797.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-03
45	ALL		447857.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.48E-03
41	ALL		447777.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-03
46	ALL		447877.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-03
68	ALL		447837.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-03
67	ALL		447817.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-03
69	ALL		447857.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-03
66	ALL		447797.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-03
70	ALL		447877.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-03
65	ALL		447777.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-03
92	ALL		447837.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-03
91	ALL		447817.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03
93	ALL		447857.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03
94	ALL		447877.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-03
90	ALL		447797.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-03
95	ALL		447897.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-03
89	ALL		447777.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-03
120	ALL		447897.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-03
117	ALL		447837.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03
118	ALL		447857.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-03
119	ALL		447877.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-03
116	ALL		447817.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-03
115	ALL		447797.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-03
114	ALL		447777.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-03
64	ALL		447557.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-03
142	ALL		447837.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
143	ALL		447857.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
145	ALL		447897.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03
141	ALL		447817.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
144	ALL		447877.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03
140	ALL		447797.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-03
139	ALL		447777.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03
63	ALL		447537.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-03
88	ALL		447557.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03
167	ALL		447837.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
164	ALL		447777.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03
168	ALL		447857.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-03

166	ALL	447817.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
165	ALL	447797.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
170	ALL	447897.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03
169	ALL	447877.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03
62	ALL	447517.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-03
87	ALL	447537.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03
113	ALL	447557.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03
61	ALL	447497.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03
86	ALL	447517.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03
138	ALL	447557.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03
112	ALL	447537.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03
60	ALL	447477.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03
85	ALL	447497.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03
28	ALL	447437.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03
137	ALL	447537.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
163	ALL	447557.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-03
111	ALL	447517.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03
59	ALL	447457.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03
84	ALL	447477.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-03
40	ALL	447437.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03
162	ALL	447537.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03
110	ALL	447497.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03
27	ALL	447417.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03
83	ALL	447457.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
136	ALL	447517.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03
58	ALL	447437.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03
109	ALL	447477.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03
188	ALL	447557.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03
39	ALL	447417.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03
135	ALL	447497.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03
161	ALL	447517.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03
187	ALL	447537.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
82	ALL	447437.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
108	ALL	447457.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
134	ALL	447477.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03
57	ALL	447417.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
26	ALL	447397.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03
160	ALL	447497.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03
186	ALL	447517.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-04
206	ALL	447557.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04
38	ALL	447397.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04
133	ALL	447457.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04
107	ALL	447437.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04
159	ALL	447477.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-04
81	ALL	447417.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-04
205	ALL	447537.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-04
185	ALL	447497.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-04
56	ALL	447397.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.32E-04
25	ALL	447377.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04
132	ALL	447437.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.06E-04
158	ALL	447457.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04
106	ALL	447417.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-04
204	ALL	447517.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04
184	ALL	447477.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-04
37	ALL	447377.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04
224	ALL	447557.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.83E-04
80	ALL	447397.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-04
203	ALL	447497.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04

223	ALL	447537.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04
55	ALL	447377.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04
157	ALL	447437.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-04
131	ALL	447417.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04
183	ALL	447457.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04
24	ALL	447357.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04
105	ALL	447397.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04
222	ALL	447517.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-04
202	ALL	447477.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.12E-04
79	ALL	447377.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04
36	ALL	447357.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.00E-04
242	ALL	447557.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04
221	ALL	447497.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04
156	ALL	447417.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.80E-04
182	ALL	447437.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-04
130	ALL	447397.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04
241	ALL	447537.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04
54	ALL	447357.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04
201	ALL	447457.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04
104	ALL	447377.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04
23	ALL	447337.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.51E-04
240	ALL	447517.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04
220	ALL	447477.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04
78	ALL	447357.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04
35	ALL	447337.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-04
181	ALL	447417.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04
155	ALL	447397.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.20E-04
260	ALL	447557.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04
239	ALL	447497.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.16E-04
200	ALL	447437.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04
129	ALL	447377.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-04
219	ALL	447457.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-04
53	ALL	447337.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04
259	ALL	447537.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04
103	ALL	447357.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04
238	ALL	447477.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04
22	ALL	447317.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04
258	ALL	447517.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04
77	ALL	447337.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04
180	ALL	447397.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04
154	ALL	447377.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04
34	ALL	447317.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04
199	ALL	447417.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04
128	ALL	447357.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04
257	ALL	447497.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.54E-04
218	ALL	447437.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04
237	ALL	447457.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04
52	ALL	447317.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04
102	ALL	447337.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04
256	ALL	447477.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-04
21	ALL	447297.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-04
179	ALL	447377.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04
153	ALL	447357.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04
198	ALL	447397.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04
76	ALL	447317.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-04
217	ALL	447417.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-04
33	ALL	447297.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04
127	ALL	447337.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E-04

236	ALL	447437.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-04
255	ALL	447457.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04
101	ALL	447317.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04
51	ALL	447297.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04
178	ALL	447357.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04
152	ALL	447337.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04
20	ALL	447277.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04
197	ALL	447377.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04
75	ALL	447297.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-04
216	ALL	447397.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04
126	ALL	447317.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04
32	ALL	447277.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04
235	ALL	447417.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04
100	ALL	447297.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04
254	ALL	447437.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04
50	ALL	447277.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04
177	ALL	447337.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04
151	ALL	447317.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04
196	ALL	447357.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04
19	ALL	447257.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04
74	ALL	447277.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04
125	ALL	447297.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04
215	ALL	447377.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04
31	ALL	447257.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04
99	ALL	447277.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-04
176	ALL	447317.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04
234	ALL	447397.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04
49	ALL	447257.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04
150	ALL	447297.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04
195	ALL	447337.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04
253	ALL	447417.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-04
18	ALL	447237.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04
73	ALL	447257.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04
124	ALL	447277.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04
30	ALL	447237.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04
214	ALL	447357.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04
175	ALL	447297.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04
98	ALL	447257.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04
194	ALL	447317.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04
149	ALL	447277.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04
48	ALL	447237.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04
233	ALL	447377.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-04
123	ALL	447257.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-04
72	ALL	447237.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04
17	ALL	447217.7	3753061	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-04
252	ALL	447397.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.48E-04
193	ALL	447297.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-04
174	ALL	447277.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04
213	ALL	447337.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
29	ALL	447217.7	3753081	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04
97	ALL	447237.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04
148	ALL	447257.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-04
47	ALL	447217.7	3753101	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-04
212	ALL	447317.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04
232	ALL	447357.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04
192	ALL	447277.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04
122	ALL	447237.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04
71	ALL	447217.7	3753121	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04

211	ALL	447297.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-04
173	ALL	447257.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04
251	ALL	447377.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04
147	ALL	447237.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
96	ALL	447217.7	3753141	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-04
210	ALL	447277.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04
191	ALL	447257.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04
231	ALL	447337.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04
121	ALL	447217.7	3753161	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04
172	ALL	447237.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04
229	ALL	447297.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E-04
230	ALL	447317.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04
250	ALL	447357.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04
146	ALL	447217.7	3753181	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
209	ALL	447257.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04
228	ALL	447277.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04
190	ALL	447237.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04
171	ALL	447217.7	3753201	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04
227	ALL	447257.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04
249	ALL	447337.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04
208	ALL	447237.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04
246	ALL	447277.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04
247	ALL	447297.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04
189	ALL	447217.7	3753221	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04
248	ALL	447317.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-04
245	ALL	447257.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-04
226	ALL	447237.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04
207	ALL	447217.7	3753241	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-04
244	ALL	447237.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04
225	ALL	447217.7	3753261	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04
243	ALL	447217.7	3753281	NonCancerChronicDerived_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04

Table 3.6-1
Construction Equipment Diesel Demand

Phase	Pieces of Equipment	Equipment CO_2 (MT)	kg/CO_2/Gallon	Gallons
Demolition	5	10.7080	10.21	1,048.78
Site Prep	3	24.2145	10.21	2,371.65
Grading	4	20.3697	10.21	1,995.07
Trenching	3	3.0031	10.21	294.13
Building Construction	8	156.7713	10.21	15,354.68
Paving	6	16.2810	10.21	1,594.61
Architectural Coating	1	1.4043	10.21	137.54
			Total	**22,796.46**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	hrs/day
Demolition	Concrete/Industrial Saws	1	8.00	8
Demolition	Rubber Tired Dozers	1	8.00	8
Demolition	Tractors/Loaders/Backhoes	3	8.00	24
Site Preparation	Graders	1	8.00	8
Site Preparation	Scrapers	1	8.00	8
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	7
Grading	Concrete/Industrial Saws	0	0.00	0
Grading	Graders	1	8.00	8
Grading	Rubber Tired Dozers	1	8.00	8
Grading	Tractors/Loaders/Backhoes	2	7.00	14
Trenching	Plate Compactors	1	8.00	8
Trenching	Tractors/Loaders/Backhoes	1	8.00	8
Trenching	Trenchers	1	8.00	8
Building Construction	Cranes	1	8.00	8
Building Construction	Forklifts	2	7.00	14
Building Construction	Generator Sets	1	8.00	8
Building Construction	Tractors/Loaders/Backhoes	1	6.00	6
Building Construction	Welders	3	8.00	24
Paving	Cement and Mortar Mixers	1	8.00	8
Paving	Pavers	1	8.00	8
Paving	Paving Equipment	1	8.00	8
Paving	Rollers	2	8.00	16
Paving	Tractors/Loaders/Backhoes	1	8.00	8
Architectural Coating	Air Compressors	1	6.00	6

Phase Name	total Days	Hrs/day	total hrs
Demolition	10	40	400
Site Prep	22	23	506
Grading	22	30	660
Trenching	10	24	240
Building Construction	151	60	9060
Paving	21	48	1008
Architectural Coating	11	6	66
		total	11,940

Table 3.6-2
Construction Worker Gasoline Demand

Phase	Trips	Vehicle MT CO_2	kg/CO_2/ Gallon	Gallons
Demolition	140	0.6647	8.78	75.71
Site Prep	176	0.8357	8.78	95.18
Grading	220	1.0446	8.78	118.97
Trenching	80	0.3678	8.78	41.89
Building Construction	5,738	26.3831	8.78	3,004.91
Paving	336	1.5449	8.78	175.96
Architectural Coating	88	0.4046	8.78	46.08
			Total	**3,558.70**

Sources: Trips and vehicle CO_2 (Appendix C); kg/CO_2/Gallon (The Climate Registry 2018).

Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram.

Phase Name	# trips Worker per day	total Days	Total Trips
Demolition	14.00	10	140
Site Prep	8.00	22	176
Grading	10.00	22	220
Trenching	8.00	10	80
Building Const	38.00	151	5738
Paving	16.00	21	336
Architectural Coating	8.00	11	88

Table 3.6-3
Construction Vendor Diesel Demand

Phase	Trips	Vehicle MT CO_2	kg/CO_2/Gallon	Gallons
Demolition	80	0.9905	10.21	97.01
Site Prep	176	2.1790	10.21	213.42
Grading	0	0.0000	10.21	0.00
Trenching	80	0.9836	10.21	96.34
Building Construction	2416	29.7032	10.21	2,909.23
Paving	0	0.0000	10.21	0.00
Architectural Coating	0	0.0000	10.21	0.00
			Total	**3,315.99**

Sources: Trips and vehicle CO_2 (Appendix B); kg/CO_2/Gallon (The Climate Registry 2018).

Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram.

Phase Name	Vender # trips vendor per day	total Days	Total Trips
Demolition	8.00	10	80
Site Prep	8.00	22	176
Grading	0.00	22	0
Trenching	8.00	10	80
Building Const	16.00	151	2416
Paving	0.00	21	0
Architectural Coating	0.00	11	0

Table 3.6-4
Construction Haul Truck Diesel Demand

Phase	Trips	Vehicle MT CO_2	kg/CO_2/Gallon	Gallons
Demolition	0	0.0000	10.21	0.00
Site Prep	0	0.0000	10.21	0.00
Grading	6908	11.5010	10.21	1,126.44
Trenching	0	0.0000	10.21	0.00
Building Construction	0	0.0000	10.21	0.00
Paving	0	0.0000	10.21	0.00
Architectural Coating	0	0.0000	10.21	0.00
			Total	**1,126.44**

Sources: Trips and vehicle CO_2 (Appendix B); kg/CO_2/Gallon (The Climate Registry 2018).

Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram.

Phase Name	Total # trips Hauling	total Days	Total Trips
Demolition	0.00	10	0
Site Prep	0.00	22	0
Grading	314.00	22	6908
Trenching	0.00	10	0
Building Const	0.00	151	0
Paving	0.00	21	0
Architectural Coating	0.00	11	0
	total	247	

Table 3.6-4
Annual Mobile Source Gasoline Demand

	Vehicle MT CO_2	kg/CO_2/Gallon	Gallons
Operation	50.33044487	8.78	5,732.40

Sources: Trips and vehicle CO_2 (Appendix C); kg/CO_2/Gallon (The Climate Registry 2018).
Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram

Table 3.6-5
Annual Mobile Source Diesel Demand

	Vehicle MT CO_2	kg/CO_2/Gallon	Gallons
Operation	6.282955132	10.21	615.37

Sources: Trips and vehicle CO_2 (Appendix C; kg/CO_2/Gallon (The Climate Registry 2018).
Notes: MT = metric ton; CO_2 = carbon dioxide; kg = kilogram

Electrical Energy Usage		
Total	24,096	kWh/yr

Natural Gas Usage		
Total	34575	kBTU/yr

Total VMT	119,218	VMT

Mobile Sources		
Total	56.6134	MT/yr CO2e

88.902	% Gasoline	50.33044487	MT/yr CO2e
11.098	%Diesel	6.282955132	MT/yr CO2e

Fleet Mix

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

1.00000	
0.88902	% light and medium
0.11098	% heavy

Gasoline
Diesel

California

California cons	74.8	Mmgallons/day
During Const Period	18475.6	Mmgallons
	18.4756	billion gallons during construction

Electricity http://www.ecdms.energy.ca.gov/elecbycounty.aspx

County	Sector	2017	Total Usage	
Riverside	Total	15906.31073	15906.31073	Millions of kWh
			15,906,310,734	kWh
	Non-res	8346.370176	8346.370176	

http://www.ecdms.energy.ca.gov/elecbycounty.aspx

Natural Gas

County	Sector	2017	Total Usage	
Riverside	Total	393.428777	393.428777	Millions of therms
			99976.1	Btu/therm
			39,333,474,752	kBtu
	Non-res	139.166211		

APPENDIX B

Traffic Technical Memorandum

605 THIRD STREET
ENCINITAS, CALIFORNIA 92024
T 760.942.5147 F 760.632.0164

TECHNICAL MEMORANDUM

To:	Bart Doering, Facilities Development Director, RCCD
From:	Sabita Tewani, AICP, Transportation Planner Dennis Pascua, Transportation Services Manager Amanda Meroux, EIT, Assistant Transportation Engineer
Subject:	Focused Traffic Analysis for the Norco College Veterans Resource Center
Date:	March 25, 2019
cc:	Caitlin Munson, Dudek
Attachment(s):	Figures 1 and 2; Traffic Counts; and Synchro Worksheets

The following technical memorandum provides a focused traffic analysis for the Norco College Veterans Resource Center (proposed project), located in the City of Norco (City). The project site is located on the southeastern portion of the Norco College (College) campus, south of Third Street and John F. Kennedy Middle College High School (JFK MCHS), and east of the existing Science, Technology, Engineering, and Mathematics (STEM) Center. This memorandum includes a description of the roadway system, existing traffic, bicycle, pedestrian and transit conditions in the vicinity of the project, and provides an estimate of the project's trip generation for the daily, and AM and PM peak hour conditions.

Project Description

The Riverside Community College District (RCCD or District) proposes to construct an approximately 2,500 square-foot Veterans Resource Center on the southeastern portion of the Norco College campus. Figure 1 shows the proposed project's regional location and site.

The proposed project would provide a space for the College to offer students, who are veterans, expanded mental health service, financial aid, academic counseling, tutoring, study spaces, and other support services. The center would include office, collaboration spaces, an outdoor lounging area, and associated landscaping and parking. The approximately 2,500 square foot building would include five office spaces, open work stations/study area and laptop space, a restroom for employees and students, lounge seating, and a utility room. The project would also include an outdoor covered deck and BBQ area. The proposed center would operate year-round and would typically be open from 8:00 a.m. to 6:00 p.m. Monday through Thursday, and 8:00 a.m. to 4:00 p.m. on Friday. Similar to many other student resource centers on campus, it may occasionally be open after-hours throughout the year (e.g., providing study spaces during finals week, or hosting weekend events at the beginning of the school year). The Veterans Resource Center would host approximately six events per year with approximately 100 to 150 attendees and additional events such as socials and fundraising events may be held for the College's community partners during weekday or weekend evenings from 4:00 p.m. to 8:00 p.m.

Main access to the proposed project would be via the Hamner Avenue/Third Street intersection. Vehicular access to the project site would be via existing STEM driveway connecting to Third Street. Parking for the project would be provided by an expansion of the existing 45 space STEM parking lot, east of the project site. The expanded parking

lot would include 20 new parking stalls for a total of 65 parking stalls in the expanded STEM parking lot. Figure 2 shows the proposed project's site plan.

Existing Traffic Conditions

The following includes a description of existing conditions in the site vicinity, including existing street system, existing roadway segment average daily traffic (ADT) volumes, existing weekday AM and PM peak hour traffic volumes, and traffic management and operations. Existing peak hour counts and ADT counts at the study intersections and roadway segment were conducted in September 2018 during a typical non-holiday week while the College and other adjacent schools were in session. Raw traffic count worksheets are attached.

The study area is comprised of two intersections and one roadway segment adjacent to the project site. Figure 2 shows the study area intersections and existing traffic volumes. The study area roadway segment and intersections include, which are described in detail below:

1. Third Street, Windy Way to JFK MCHS – STEM Driveway (Project Access)
2. Windy Way/Third Street
3. JFK MCHS - STEM Center Driveway/Third Street (Project Access)

Third Street, Windy Way to JFK MCHS – STEM Driveway (Project Access)

The roadway segment of Third Street, from Hamner Avenue to its terminus in a cul-de-sac near the westerly boundary of the Norco College, is classified as a Collector in the Norco General Plan Circulation Element (2000). The posted speed limit along Third Street near the project site is 35 miles per hour (mph). Third Street is part of Norco's Equestrian Circulation System. The Norco Horse Trail runs parallel to Third Street and is adjacent to the northern border of the project site.

Third Street is fully dedicated and improved with ultimate street improvements, and has a raised median throughout most of its length. It is generally built with four lanes of travel (two lanes in each direction), however, adjacent to the project site it is built with three lanes in each direction and additional eastbound left turn lane at the Windy Way/Third Street and JFK MCHS Driveway-STEM Center Driveway intersections. It should be noted Norco College has implemented traffic management measures (traffic cones and barricades at the study area intersections) along this roadway segment that prohibits left turns in and out of the driveways along the Third Street. The ADT along Third Street, near the project site, was observed to be approximately 15,870 vehicles.

Windy Way/Third Street

This intersection operates as a one-way-stop control along the southbound approach lane (Windy Way. Southbound left turns are not permitted at this intersection due to the traffic management measures implemented by the College. Vehicles that need to turn left onto Third Street from Windy Way are required to turn right and then make a U-turn at the Mustang Court/Third Street intersection that is approximately 625 feet west of the Windy Way/Third Street intersection.

JFK MCHS - STEM Center Driveway/Third Street (Project Access)

This intersection operates as a two-way stop control along its north-south approach, however, only the northbound right turn movement (STEM Center driveway) is permitted, and the southbound approach is currently closed. There is a HAWK beacon (High-Intensity Activated Crosswalk) traffic control device installed along Third Street at this intersection that allows protected pedestrian crossings, stopping eastbound and westbound through traffic only, when activated. Vehicles that need to turn left onto Third Street from STEM Center Driveway (project access) are required to turn right and then make a U-turn at the median cut along Third Street that is approximately 1,000 feet east of JFK MCHS Driveway-STEM Center Driveway/Third Street intersection.

Intersection Analysis Methodology

The *Highway Capacity Manual* (HCM) intersection analysis methodology was used to analyze the operation of unsignalized study intersections. Both of the study intersections were analyzed as stop-controlled even though the JFK MCHS Driveway-STEM Center Driveway/Third Street intersection is adjacent to a HAWK signal.

The HCM analysis methodology describes the operation of an intersection using a range of level of service (LOS) from LOS A (free-flow conditions) to LOS F (severely congested conditions), based on the corresponding control delay experienced per vehicle for unsignalized intersections. The Synchro 10 LOS software was used to determine intersection LOS. Synchro is consistent with the HCM 6th methodology (Transportation Research Board 2016). Level of service definitions for unsignalized intersections are described below and shown in Table 1.

Table 1
Unsignalized Intersection Level of Service Thresholds

Level of Service	Average Control Delay Per Vehicle (Seconds)	Description
A	0-10	Little or no delay
B	> 10-15	Short traffic delay
C	> 15-25	Average traffic delay
D	> 25-35	Long traffic delay
E	> 35-50	Very long traffic delay
F	> 50	Extreme traffic delays with intersection capacity exceeded

Source: HCM 2016.

Level of Service

An intersection LOS analysis was prepared for the existing conditions using HCM 6th methodology via the Synchro LOS software as discussed above. Table 2 shows the results of the existing conditions LOS analysis. LOS worksheets are provided in the attachment.

Table 2
Intersection Analysis for Existing Conditions

Int #	Intersection	Traffic Control	Critical Movement	AM Peak Hour		PM Peak Hour	
				Delay[1]	*LOS*[2]	*Delay*[1]	*LOS*[2]
1	Windy Way/Third Street	OWSC	SBL	42.1	E	13.3	B
2	JFK MCHS Driveway – STEM Driveway/Third Street	TWSC	NBL	11.0	B	14.2	B

Notes: All intersections analyzed using Highway Capacity Manual (HCM) methodology;
OWSC- One-way stop control
TWSC- Two-way stop control
NBL – Northbound lane
SBL – Southbound lane
1 Delay in seconds per vehicle reported for critical movement at unsignalized intersections
2 Level of Service (LOS)

As shown in Table 2, with the exception of Windy Way/Third Street intersection during the AM peak hour, the study area intersections are currently operating at LOS B during both peak hours. The Windy Way/Third Street intersection operates at LOS E during the AM peak hour under existing conditions.

Bicycle, Pedestrian and Transit Conditions

Per the City's Circulation Element, with the exception of the Primary Access Trail along Third Street, which is intended to integrate pedestrian, equestrian and bicycle circulation, all bicycle traffic in Norco is intended to stay within the street pavement. Therefore, Third Street does not have a separate bicycle path or lane and current traffic counts indicate very few bicyclists traveling through the study area.

There is a paved sidewalk along both sides of Third Street near the proposed project site that connects to the existing buildings on the College campus and parking areas. Pedestrian access across Third Street, near the proposed project site, is facilitated by a HAWK signal and crosswalk. Approximately 64 and 42 pedestrians during the AM and PM peak hours, respectively, were reported crossing the JFK MCHS Driveway- STEM Center Driveway/Third Street intersection.

The Riverside Transit Agency (RTA) provides fixed-route service to the study area. Route 3 operates along Third Street and connects Norco College to the Corona Transit Center and Eastvale and provides service on weekdays and weekends. Route 3 operates from 5:22 am to 9:54 pm on weekdays with service every hour and from 7:40 am to 8:22 pm on weekends with service every two hours. The nearest transit stop is located close to the Norco College westerly entrance along West End Drive.

Trip Generation

Since the proposed project would primarily cater to College functions for veteran students, the Institute of Transportation Engineers (ITE) *Trip Generation, 10th Edition* (2017) Junior/Community College (ITE Land Use Code 540) trip rate, per thousand square feet, was utilized to determine the trip generation for the proposed project.

Table 3
Project Trip Generation

Land use	Size/Unit	Daily	AM Peak Hour			PM Peak Hour		
			In	*Out*	*Total*	*In*	*Out*	*Total*
Trip Rates[1]								
Junior/Community College (ITE 540)[1]	Per TSF	20.25	1.59	0.48	2.07	0.93	0.93	1.86
Trip Generation								
Norco Veterans Resource Center	2.500 TSF	51	4	1	5	3	2	5

Notes:
TSF – thousand square feet

[1] Trip rates from the Institute of Transportation Engineers (ITE), Trip Generation, 10th Edition, 2017.

As indicated in Table 3, the proposed project would generate approximately 51 trips per day, with 5 AM peak hour trips (4 inbound, 1 outbound), and 5 PM peak hour trips (3 inbound, 2 outbound).

Because the project would generate a low number of daily traffic and peak hour trips that would be part of existing college related activities, it would not cause a measurable impact to the roadway segment and intersections in the study area. As a result, the project would not create any significant traffic impacts, and a comprehensive traffic impact analysis for the proposed project would not be warranted.

Findings and Conclusions

- The Riverside Community College District (RCCD or District) proposes to construct an approximately 2,500 square-foot Veterans Resource Center on the southeastern portion of the Norco College campus.
- Vehicular access to the project site would be via existing STEM driveway connecting to Third Street.
- The study area intersections are currently operating at LOS B during both peak hours, with the exception of Windy Way/Third Street intersection during the AM peak hour. The Windy Way/Third Street intersection operates at LOS E during the AM peak hour under existing conditions.
- The proposed project would generate approximately 51 trips per day, with 5 AM peak hour trips (4 inbound, 1 outbound), and 5 PM peak hour trips (3 inbound, 2 outbound).
- Because the project would generate a low number of daily traffic and peak hour trips that would be part of existing college related activities, it would not cause a measurable impact to the roadway segment and intersections in the study area.
- The project would not create any significant traffic impacts, and a comprehensive traffic impact analysis for the proposed project would not be warranted.

Attachment A

Figure 1

Figure 2

Traffic Counts

Synchro Worksheets

Source: Google Maps 2018

FIGURE 1

Project Location

Norco College Veterans Resource Center

DUDEK

Mar 20, 2019 - 11:19am ameroux P:\300.Environmental\11283 Norco College Veterans Center MND\DUDEK WORK PRODUCTS\Traffic\Graphics\AutoCAD files\Base.dwg Layout: Fig1-Location

Source: Ruhnau Clarke Architects 2018; AimTD LLC 2018

FIGURE 2

Site Plan and Existing Traffic Volumes

Norco College Veterans Resource Center

DUDEK

Mar 25, 2019 - 3:25pm ameroux P:\300.Environmental\11283 Norco College Veterans Center MND\DUDEK WORK PRODUCTS\Traffic\Graphics\AutoCAD files\Base.dwg Layout: Fig2-2-Site Plan_ExVols

Tuesday, September 18, 2018 Location: Norco PROJECT: SC1873

ADT1 Third between Windy and JF Kennedy. **Prepared by AimTD tel. 714 253 7888**

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
0:30			0		0			12:00			145		70		
0:15			0		0			12:15			268		87		
0:30			0		0			12:30			294		119		
0:45			0	0	0	0		12:45			270	977	116	392	1369
1:00			0		0			13:00			144		95		
1:15			0		0			13:15			62		121		
1:30			0		0			13:30			62		209		
1:45			0	0	0	0		13:45			117	385	310	735	1120
2:00			0		0			14:00			85		143		
2:15			0		0			14:15			78		161		
2:30			2		0			14:30			193		111		
2:45			0	2	0	0	2	14:45			118	474	93	508	982
3:00			0		0			15:00			109		91		
3:15			0		0			15:15			162		100		
3:30			0		0			15:30			204		127		
3:45			0	0	0	0		15:45			146	621	244	562	1183
4:00			0		0			16:00			241		203		
4:15			0		0			16:15			127		93		
4:30			0		0			16:30			139		73		
4:45			0	0	2	2	2	16:45			102	609	87	456	1065
5:00			0		0			17:00			169		105		
5:15			0		6			17:15			215		127		
5:30			0		0			17:30			226		219		
5:45			0	0	7	13	13	17:45			213	823	282	733	1556
6:00			4		8			18:00			141		168		
6:15			4		14			18:15			177		149		
6:30			7		32			18:30			89		69		
6:45			17	32	69	123	155	18:45			86	493	42	428	921
7:00			67		194			19:00			66		24		
7:15			157		316			19:15			93		35		
7:30			160		379			19:30			90		18		
7:45			109	493	402	1291	1784	19:45			68	317	8	85	402
8:00			82		326			20:00			85		11		
8:15			26		134			20:15			147		22		
8:30			30		101			20:30			164		28		
8:45			51	189	120	681	870	20:45			167	563	32	93	656
9:00			71		169			21:00			204		17		
9:15			148		249			21:15			163		17		
9:30			163		295			21:30			31		10		
9:45			71	453	139	852	1305	21:45			35	433	2	46	479
10:00			84		88			22:00			11		0		
10:15			95		127			22:15			3		0		
10:30			62		130			22:30			5		0		
10:45			84	325	156	501	826	22:45			0	19	0	0	19
11:00			291		203			23:00			0		0		
11:15			209		83			23:15			0		0		
11:30			114		55			23:30			0		0		
11:45			118	732	89	430	1162	23:45			0	0	0	0	
Total Vol.				2226		3893	**6119**					5714		4038	**9752**

			Daily Totals		
	NB	SB	EB	WB	**Combined**
			7940	7931	**15871**

			AM					**PM**		
Split %			36.4%	63.6%	**38.6%**			58.6%	41.4%	**61.4%**
Peak Hour	0:30	0:30	11:45	7:15	**7:15**			12:00	13:30	**17:15**
Volume			825	1423	**1931**			977	823	**1591**
P.H.F.			0.70	0.88	**0.90**			0.83	0.66	**0.80**

cs@aimtd.com Tell. 714 253 7888

INTERSECTION TURNING MOVEMENT COUNTS

T218

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, Sep 18, 18

LOCATION: Norco
NORTH & SOUTH: Windy
EAST & WEST: 3rd

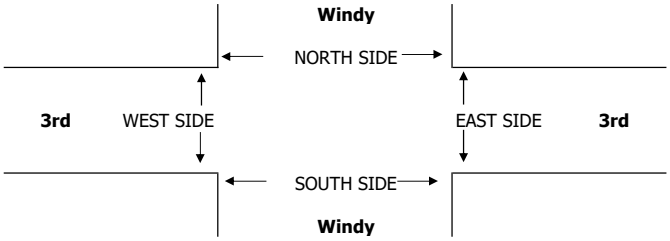
PROJECT #: SC1873
LOCATION #: 1
CONTROL: STOP S

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N / ◄ W / E ► / S ▼

☑ Add U-Turns to Left Turns

		NORTHBOUND (Windy)			SOUTHBOUND (Windy)			EASTBOUND (3rd)			WESTBOUND (3rd)				U-TURNS				
	LANES:	NL X	NT X	NR X	SL X	ST X	SR 1	EL X	ET 3	ER X	WL X	WT 3	WR 0	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	0	0	0	30	0	60	0	0	72	100	262	0	0	0	0	0
	7:15 AM	0	0	0	0	0	55	0	144	0	0	141	181	521	0	0	0	0	0
	7:30 AM	0	0	0	0	0	63	0	173	0	0	211	166	613	0	0	0	0	0
	7:45 AM	0	0	0	0	0	21	0	108	0	0	369	73	571	0	0	0	0	0
	8:00 AM	0	0	0	0	0	11	0	91	0	0	298	38	438	0	0	0	0	0
	8:15 AM	0	0	0	0	0	1	0	33	0	0	107	12	153	0	0	0	0	0
	8:30 AM	0	0	0	0	0	3	0	29	0	0	79	19	130	0	0	0	0	0
	8:45 AM	0	0	0	0	0	3	0	45	0	0	94	18	160	0	0	0	0	0
	VOLUMES	0	0	0	0	0	187	0	683	0	0	1,371	607	2,848	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	69%	31%						
	APP/DEPART	0	/	607	187	/	0	683	/	683	1,978	/	1,558	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	0	0	0	150	0	516	0	0	1,019	458	2,143					
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	69%	31%						
	PEAK HR FACTOR		0.000			0.595			0.746			0.835		0.874					
	APP/DEPART	0	/	458	150	/	0	516	/	516	1,477	/	1,169	0					
PM	4:00 PM	0	0	0	0	0	17	0	246	0	0	199	37	499	0	0	0	0	0
	4:15 PM	0	0	0	0	0	15	0	138	0	0	67	14	234	0	0	0	0	0
	4:30 PM	0	0	0	0	0	12	0	138	0	0	48	13	211	0	0	0	0	0
	4:45 PM	0	0	0	0	0	7	0	98	0	0	80	14	199	0	0	0	0	0
	5:00 PM	0	0	0	0	0	5	0	159	0	0	70	12	246	0	0	0	0	0
	5:15 PM	0	0	0	0	0	3	0	199	0	0	110	18	330	0	0	0	0	0
	5:30 PM	0	0	0	0	0	3	0	227	0	0	199	41	470	0	0	0	0	0
	5:45 PM	0	0	0	0	0	8	0	231	0	0	244	31	514	0	0	0	0	0
	VOLUMES	0	0	0	0	0	70	0	1,436	0	0	1,017	180	2,703	0	0	0	0	0
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	85%	15%						
	APP/DEPART	0	/	180	70	/	0	1,436	/	1,436	1,197	/	1,087	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	0	0	0	19	0	816	0	0	623	102	1,560					
	APPROACH %	0%	0%	0%	0%	0%	100%	0%	100%	0%	0%	86%	14%						
	PEAK HR FACTOR		0.000			0.594			0.883			0.659		0.759					
	APP/DEPART	0	/	102	19	/	0	816	/	816	725	/	642	0					



		PEDESTRIAN + BIKE CROSSINGS					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	3	0	0	0	3	3	0	0	0	3	0	0	0	0	0
	7:15 AM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	7:30 AM	2	1	0	0	3	2	0	0	0	2	0	1	0	0	1
	7:45 AM	8	0	0	0	8	8	0	0	0	8	0	0	0	0	0
	8:00 AM	11	0	0	0	11	10	0	0	0	10	1	0	0	0	1
	8:15 AM	4	0	0	0	4	4	0	0	0	4	0	0	0	0	0
	8:30 AM	5	0	0	0	5	5	0	0	0	5	0	0	0	0	0
	8:45 AM	3	0	0	0	3	3	0	0	0	3	0	0	0	0	0
	TOTAL	37	1	0	0	38	36	0	0	0	36	1	1	0	0	2
	AM BEGIN PEAK HR	7:15 AM					21	0	0	0	21					
PM	4:00 PM	9	0	1	0	10	8	0	1	0	9	1	0	0	0	1
	4:15 PM	3	0	0	0	3	3	0	0	0	3	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	17	0	0	0	17	17	0	0	0	17	0	0	0	0	0
	5:00 PM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	5:15 PM	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0
	5:30 PM	5	0	0	0	5	5	0	0	0	5	0	0	0	0	0
	5:45 PM	19	1	0	0	20	18	0	0	0	18	1	1	0	0	2
	TOTAL	55	1	1	0	57	53	0	1	0	54	2	1	0	0	3
	PM BEGIN PEAK HR	5:00 PM					25	0	0	0	25					

INTERSECTION TURNING MOVEMENT COUNTS

T218

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

DATE: Tue, Sep 18, 18

LOCATION: Norco
NORTH & SOUTH: JF Kennedy Driveway
EAST & WEST: 3rd

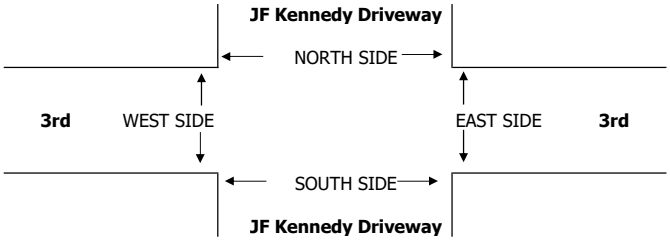
PROJECT #: SC1873
LOCATION #: 2
CONTROL: STOP ALL

NOTES:

AM / PM / MD / OTHER / OTHER — ▲ N, ◄ W, E ►, S ▼

☐ Add U-Turns to Left Turns

		NORTHBOUND JF Kennedy Driveway			SOUTHBOUND JF Kennedy Driveway			EASTBOUND 3rd			WESTBOUND 3rd				U-TURNS				
	LANES:	NL X	NT X	NR 1	SL X	ST X	SR X	EL X	ET 3	ER 0	WL X	WT 3	WR X	TOTAL	NB 0	SB 0	EB 0	WB 0	TTL
AM	7:00 AM	0	0	0	0	0	0	0	59	1	0	172	0	232	0	0	0	0	0
	7:15 AM	0	0	1	0	0	0	0	139	5	0	322	0	467	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	167	6	0	377	0	550	0	0	0	0	0
	7:45 AM	0	0	5	0	0	0	0	95	13	0	442	0	555	0	0	0	0	0
	8:00 AM	0	0	2	0	0	0	0	73	18	0	336	0	429	0	0	0	0	0
	8:15 AM	0	0	3	0	0	0	0	24	9	0	119	0	155	0	0	0	0	0
	8:30 AM	0	0	1	0	0	0	0	25	4	0	98	0	128	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	39	6	0	112	0	157	0	0	0	1	1
	VOLUMES	0	0	12	0	0	0	0	621	62	0	1,978	0	2,674	0	0	0	1	1
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	91%	9%	0%	100%	0%						
	APP/DEPART	12	/	0	0	/	62	683	/	634	1,979	/	1,978	0					
	BEGIN PEAK HR		7:15 AM																
	VOLUMES	0	0	8	0	0	0	0	474	42	0	1,477	0	2,001					
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	92%	8%	0%	100%	0%						
	PEAK HR FACTOR		0.400			0.000			0.746			0.835		0.901					
	APP/DEPART	8	/	0	0	/	42	516	/	482	1,477	/	1,477	0					
PM	4:00 PM	0	0	4	0	0	0	0	246	0	0	236	0	486	0	0	0	0	0
	4:15 PM	0	0	5	0	0	0	0	136	2	0	81	0	224	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	138	0	0	61	0	199	0	0	0	0	0
	4:45 PM	0	0	4	0	0	0	0	95	3	0	94	0	196	0	0	0	0	0
	5:00 PM	0	0	7	0	0	0	0	154	5	0	82	0	248	0	0	0	0	0
	5:15 PM	0	0	3	0	0	0	0	190	9	0	128	0	330	0	0	0	0	0
	5:30 PM	0	0	5	0	0	0	0	218	9	0	240	0	472	0	0	0	0	0
	5:45 PM	0	0	6	0	0	0	0	220	11	0	275	0	512	0	0	0	0	0
	VOLUMES	0	0	34	0	0	0	0	1,397	39	0	1,197	0	2,667	0	0	0	0	0
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	97%	3%	0%	100%	0%						
	APP/DEPART	34	/	0	0	/	39	1,436	/	1,431	1,197	/	1,197	0					
	BEGIN PEAK HR		5:00 PM																
	VOLUMES	0	0	21	0	0	0	0	782	34	0	725	0	1,562					
	APPROACH %	0%	0%	100%	0%	0%	0%	0%	96%	4%	0%	100%	0%						
	PEAK HR FACTOR		0.750			0.000			0.883			0.659		0.763					
	APP/DEPART	21	/	0	0	/	34	816	/	803	725	/	725	0					



		PEDESTRIAN + BIKE CROSSINGS					PEDESTRIAN CROSSINGS					BICYCLE CROSSINGS				
		N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL	NS	SS	ES	WS	TOTAL
AM	7:00 AM	2	0	0	1	3	2	0	0	1	3	0	0	0	0	0
	7:15 AM	1	1	0	11	13	1	1	0	11	13	0	0	0	0	0
	7:30 AM	1	4	0	4	9	1	3	0	4	8	0	1	0	0	1
	7:45 AM	1	7	1	7	16	1	7	1	7	16	0	0	0	0	0
	8:00 AM	0	10	1	16	27	0	10	1	16	27	0	0	0	0	0
	8:15 AM	2	9	0	5	16	1	9	0	5	15	1	0	0	0	1
	8:30 AM	1	4	0	4	9	1	4	0	4	9	0	0	0	0	0
	8:45 AM	1	0	0	5	6	1	0	0	5	6	0	0	0	0	0
	TOTAL	9	35	2	53	99	8	34	2	53	97	1	1	0	0	2
	AM BEGIN PEAK HR			7:15 AM			3	21	2	38	64					
PM	4:00 PM	2	1	0	10	13	2	1	0	10	13	0	0	0	0	0
	4:15 PM	1	1	0	7	9	1	1	0	7	9	0	0	0	0	0
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4:45 PM	2	0	0	19	21	2	0	0	19	21	0	0	0	0	0
	5:00 PM	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
	5:15 PM	0	1	0	1	2	0	1	0	1	2	0	0	0	0	0
	5:30 PM	0	1	0	9	10	0	1	0	9	10	0	0	0	0	0
	5:45 PM	4	3	0	25	32	2	2	0	25	29	2	1	0	0	3
	TOTAL	9	7	0	72	88	7	6	0	72	85	2	1	0	0	3
	PM BEGIN PEAK HR			5:00 PM			2	4	0	36	42					

Intersection	
Int Delay, s/veh	2.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	516	1019	458	0	150
Future Vol, veh/h	0	516	1019	458	0	150
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	593	1171	526	0	172

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	1697	0	-	0	1671	849
Stage 1	-	-	-	-	1434	-
Stage 2	-	-	-	-	237	-
Critical Hdwy	5.34	-	-	-	5.74	7.14
Critical Hdwy Stg 1	-	-	-	-	6.64	-
Critical Hdwy Stg 2	-	-	-	-	6.04	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	178	-	-	-	140	261
Stage 1	-	-	-	-	130	-
Stage 2	-	-	-	-	716	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	178	-	-	-	140	261
Mov Cap-2 Maneuver	-	-	-	-	140	-
Stage 1	-	-	-	-	130	-
Stage 2	-	-	-	-	716	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	42.1
HCM LOS			E

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	178	-	-	-	261
HCM Lane V/C Ratio	-	-	-	-	0.661
HCM Control Delay (s)	0	-	-	-	42.1
HCM Lane LOS	A	-	-	-	E
HCM 95th %tile Q(veh)	0	-	-	-	4.2

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	0	816	623	102	0	19
Future Vol, veh/h	0	816	623	102	0	19
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	175	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	76	76	76	76	76	76
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	1074	820	134	0	25

Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	954	0	-	0	1317	477
Stage 1	-	-	-	-	887	-
Stage 2	-	-	-	-	430	-
Critical Hdwy	5.34	-	-	-	5.74	7.14
Critical Hdwy Stg 1	-	-	-	-	6.64	-
Critical Hdwy Stg 2	-	-	-	-	6.04	-
Follow-up Hdwy	3.12	-	-	-	3.82	3.92
Pot Cap-1 Maneuver	412	-	-	-	214	457
Stage 1	-	-	-	-	283	-
Stage 2	-	-	-	-	570	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	412	-	-	-	214	457
Mov Cap-2 Maneuver	-	-	-	-	214	-
Stage 1	-	-	-	-	283	-
Stage 2	-	-	-	-	570	-

Approach	EB	WB	SB
HCM Control Delay, s	0	0	13.3
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	412	-	-	-	457
HCM Lane V/C Ratio	-	-	-	-	0.055
HCM Control Delay (s)	0	-	-	-	13.3
HCM Lane LOS	A	-	-	-	B
HCM 95th %tile Q(veh)	0	-	-	-	0.2

Intersection	
Int Delay, s/veh	0

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	474	42	0	1477	0	0	0	8	0	0	0
Future Vol, veh/h	0	474	42	0	1477	0	0	0	8	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	527	47	0	1641	0	0	0	9	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1641	0	0	574	0	0	1207	2192	287	1852	2215	821
Stage 1	-	-	-	-	-	-	551	551	-	1641	1641	-
Stage 2	-	-	-	-	-	-	656	1641	-	211	574	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	6.54	7.14	6.44	6.54	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	5.54	-	7.34	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	5.54	-	6.74	5.54	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	190	-	-	625	-	-	193	45	605	78	43	273
Stage 1	-	-	-	-	-	-	405	514	-	70	156	-
Stage 2	-	-	-	-	-	-	383	156	-	709	501	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	190	-	-	625	-	-	193	45	605	77	43	273
Mov Cap-2 Maneuver	-	-	-	-	-	-	193	45	-	77	43	-
Stage 1	-	-	-	-	-	-	405	514	-	70	156	-
Stage 2	-	-	-	-	-	-	383	156	-	699	501	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0	11	0
HCM LOS			B	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	605	190	-	-	625	-	-	-
HCM Lane V/C Ratio	0.015	-	-	-	-	-	-	-
HCM Control Delay (s)	11	0	-	-	0	-	-	0
HCM Lane LOS	B	A	-	-	A	-	-	A
HCM 95th %tile Q(veh)	0	0	-	-	0	-	-	-

Intersection	
Int Delay, s/veh	0.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	0	782	34	0	725	0	0	0	21	0	0	0
Future Vol, veh/h	0	782	34	0	725	0	0	0	21	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	76	76	76	76	76	76	76	76	76	76	76	76
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	1029	45	0	954	0	0	0	28	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	954	0	0	1074	0	0	1434	2006	537	1366	2028	477
Stage 1	-	-	-	-	-	-	1052	1052	-	954	954	-
Stage 2	-	-	-	-	-	-	382	954	-	412	1074	-
Critical Hdwy	5.34	-	-	5.34	-	-	6.44	6.54	7.14	6.44	6.54	7.14
Critical Hdwy Stg 1	-	-	-	-	-	-	7.34	5.54	-	7.34	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.74	5.54	-	6.74	5.54	-
Follow-up Hdwy	3.12	-	-	3.12	-	-	3.82	4.02	3.92	3.82	4.02	3.92
Pot Cap-1 Maneuver	412	-	-	360	-	-	141	59	418	155	57	457
Stage 1	-	-	-	-	-	-	183	302	-	214	335	-
Stage 2	-	-	-	-	-	-	561	335	-	538	294	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	412	-	-	360	-	-	141	59	418	145	57	457
Mov Cap-2 Maneuver	-	-	-	-	-	-	141	59	-	145	57	-
Stage 1	-	-	-	-	-	-	183	302	-	214	335	-
Stage 2	-	-	-	-	-	-	561	335	-	502	294	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	0	14.2	0
HCM LOS			B	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	418	412	-	-	360	-	-	-
HCM Lane V/C Ratio	0.066	-	-	-	-	-	-	-
HCM Control Delay (s)	14.2	0	-	-	0	-	-	0
HCM Lane LOS	B	A	-	-	A	-	-	A
HCM 95th %tile Q(veh)	0.2	0	-	-	0	-	-	-

APPENDIX C

Biological Resources Letter Report

3544 UNIVERSITY AVENUE
RIVERSIDE, CALIFORNIA 92501
T 951.300.2100 F 951.300.2105

October 31, 2018 11283

Bart Doering
Facilities Development Director
Riverside Community College District
3801 Market Street
Riverside, California 92501

Subject: *Biological Resources Letter Report and MSHCP Consistency for the Norco College Veterans Resource Center Project, City of Norco, California*

Dear Mr. Doering:

This biological resources habitat assessment and Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) consistency analysis letter report describes the existing biological conditions of the proposed site for the Norco College Veterans Resource Center Project (proposed project). The proposed project and its potential to impact special-status biological resources were analyzed in the context of the California Environmental Quality Act (CEQA). This report describes the existing conditions of the project site, special-status biological resources present or potentially present on site, potential constraints to development that may be posed by special-status biological resources on the project site, and recommended avoidance, minimization, and compensatory mitigation. This report also provides an MSHCP consistency assessment including the following requirements of the MSHCP (relevant MSHCP sections are identified in parentheses):

- Riparian/Riverine, Vernal Pool, and Fairy Shrimp Requirements (Section 6.1.2)
- Species Survey Requirements (Sections 6.1.3 and 6.3.2)
- Urban/Wildlife interface Guidelines (Section 6.1.4)

1 Project Location

The Riverside Community College District (RCCD or District) is proposing to construct a new Veterans Resource Center on its existing Norco College (College) campus. The proposed project would include offices, collaboration spaces, an outdoor lounging area, and associated landscaping and parking on approximately 3 acres. The project site is located in the City of Norco (City), in the extreme northwestern portion of Riverside County, near a tri-county meeting point with Los Angeles and San Bernardino Counties (Figure 1, Project Location; all figures are included in Attachment A). More specifically, the project site is located on the southeastern portion of the campus, south of Third Street and east of the existing Science, Technology, Engineering, and Mathematics (STEM) Center. The Norco Horse Trail runs parallel to Third Street and is adjacent to the northern border of the project site. The project site is located within the U.S. Geological Survey 7.5-minute Corona North quadrangle map, with the approximate center of the property at longitude 117°33' 55.78" W and latitude 33°54' 55.53" N.

2 Methods

2.1 Literature Review

Special-status biological resources potentially present on the project site were identified through a literature search using the following sources: U.S. Fish and Wildlife Service's (USFWS) Critical Habitat and Occurrence Data (USFWS 2018); California Department of Fish and Wildlife's (CDFW) California Natural Diversity Database (CDFW 2018); the California Native Plant Society's (CNPS) online Inventory of Rare, Threatened, and Endangered Plants (CNPS 2018); and the Calflora database, which compiles observation and plant data from both private and public institutions, including the Consortium of California herbaria (Calflora 2018). Searches were completed for the following U.S. Geological Survey quadrangles: Black Star Canyon, Corona North, Corona South, Fontana, Guasti, Lake Mathews, Ontario, Prado Dam, and Riverside West.

For this report, "special-status" species are those that are (1) listed, proposed for listing, or candidates for listing under the federal Endangered Species Act as threatened or endangered; (2) listed or candidates for listing under the California Endangered Species Act as threatened or endangered; (3) a state fully protected species; (4) a CDFW Species of Special Concern; (5) a species listed on the CNPS Inventory of Rare and Endangered Plants with a California Rare Plant Rank of 1B or 2B; or (6) an MSHCP covered species.

Special-status vegetation communities are those communities identified as high priority for inventory in the List of Vegetation Alliances and Associations (CDFG 2010) by a state rarity ranking of S1, S2, or S3.

2.2 Field Surveys

2.2.1 Reconnaissance Survey

Dudek Biologist Anna Cassady conducted a general biological survey of the study area (project site and 500-foot buffer) on July 31, 2018. The survey was conducted from 7:40 a.m. to 9:00 a.m. Weather conditions were favorable, with clear skies, wind speeds from 1 to 2 miles per hour, and temperature ranging from 74°F–87°F. All native and naturalized plant species encountered within the study area were identified and recorded. The potential for special-status plant and wildlife species to occur within the study area was evaluated based on the vegetation communities, soils present, and documented occurrences within 5 miles of the study area. Vegetation communities and land covers on site were mapped directly in the field onto a 1:2,400-scale (1 inch = 200 feet), aerial photograph-based field map of the study area.

Latin and common names for plant species with a California Rare Plant Rank follow the CNPS Inventory of Rare and Endangered Plants (CNPS 2018). For plant species without a California Rare Plant Rank, Latin names follow the Jepson Interchange List of Currently Accepted Names of Native and Naturalized Plants of California (Jepson Flora Project 2018), and common names follow the U.S. Department of Agriculture's Natural Resources Conservation Service Plants Database (USDA 2018a). Natural vegetation communities were mapped in the field using *Vegetation Alliances of Western Riverside County* (Klein and Evens 2006) with modifications to accommodate the lack of conformity of the observed communities to those included in these references. Latin

and common names of animals follow Crother (2012) for reptiles and amphibians, and the American Ornithologists' Union for birds (AOU 2015).

To meet requirements in the MSHCP, a habitat assessment was conducted to identify suitable habitat for narrow endemic plant species and burrowing owl (*Athene cunicularia*) within the study area.

The burrowing owl assessment was conducted in accordance with the *Burrowing Owl Survey Instructions for the Western Riverside Multiple Species Habitat Conservation Plan Area* (RCA 2006). The survey consisted of pedestrian transects spaced approximately 15 meters (98 feet) apart to allow for 100% visual coverage of the project site. For a 500-foot buffer, only visual surveys were conducted as access to the privately owned parcels had not been granted. All burrows suitable for burrowing owl were mapped using a Global Positioning System (GPS) and then digitized using ArcGIS. Based on the results of the habitat assessment, focused burrowing owl surveys were conducted as described in Section 2.2.2 of this report.

The narrow endemic plant species habitat assessment was conducted to identify suitable habitat within the MSHCP-defined Narrow Endemic Plant Species Survey Area (NEPSSA). The study area is within the NEPSSA Survey Area 7, which includes the following special-status plant species: Brand's phacelia (*Phacelia stellaris*), San Diego ambrosia (*Ambrosia pumila*), and San Miguel savory (*Satureja chandleri*). However, based on the results of the habitat assessment, suitable habitat for narrow endemic plant species does not occur within the study area and focused surveys were not conducted.

In addition, an investigation of presence and distribution of jurisdictional waters of the United States regulated by the U.S. Army Corps of Engineers (ACOE), jurisdictional waters of the state regulated by the Regional Water Quality Control Board (RWQCB), and jurisdictional streambed and associated riparian habitat regulated by CDFW was conducted.

Following completion of the fieldwork, all vegetation community/land cover, special-status species detections, and jurisdictional aquatic resources investigated were digitized using ArcGIS and a geographic information system (GIS) coverage was created.

2.2.2 Focused Burrowing Owl Surveys

The burrowing owl focused surveys were conducted in accordance with the *MSHCP Burrowing Owl Survey Instructions* (RCA 2006). Dudek conducted a total of four focused burrowing owl surveys during the burrowing owl breeding season (March 1–August 31). The burrowing owl survey area was based on mapped suitable habitat and presence of suitable burrows, which included all non-urban/developed land covers for a total of 13.51 acres. The surveys were conducted when conditions were suitable for detecting owls (no rain, high winds (>20 miles per hour [mph]), dense fog, or temperatures over 90 degrees Fahrenheit [°F]). A summary of the survey conditions during the field investigations is provided in Table 1.

Table 1. Schedule of Surveys

Date	Time	Staff	Environmental Conditions	Survey Type
07/31/2018	0740–0900	APC	74°–87° Fahrenheit (F); 0% cloud cover (cc); wind 1–2 miles per hour (mph)	General biological assessment, jurisdictional delineation, and habitat assessments
08/08/2018 08/15/2018 08/22/2018 08/29/2018	0620–0710 0705–0745 0715–0805 0650–0745	APC APC APC RNH	71° F; 40–80% cc; wind 1–2 mph 66° F; 0% cc; wind 1–2 mph 69°–70° F; 80–100% cc; wind 1–2 mph 65°–66° F; 40% cc; wind 0–2 mph	Focused burrowing owl surveys

Staff Key: APC – Anna Cassady; RNH – Ryan Henry

2.2.3 Survey Limitations

Access was not available within the 500-foot buffer due to private properties to the south. Therefore, vegetation mapping, habitat assessments, and focused surveys were conducted from the College property and/or using aerial signatures of those communities occurring within the proposed project footprint.

3 Results

3.1 Site Description

The approximately 2.9-acre project site is generally characterized as a landscaped recreational area associated with Norco College. The project site is primarily flat with a gentle slope from east to west. Elevations range from approximately 620 to 650 feet above mean sea level. The surrounding area includes residential development to the south, undeveloped land to the east that appears to be periodically tilled, additional landscaped land to the west, and the Norco College campus to the north and east. Representative photographs of the project site are included in Attachment B.

3.2 Soils

Six soil types are mapped within the study area: Buchenau loam, Cieneba rocky sandy loam, Delhi fine sand, Fallbrook sandy loam, Placentia fine sandy loam, and Vista coarse sandy loam (Figure 2, Soils).

- **Buchenau Series** consists of well to moderately-well drained soils formed from granitic sediments. These soils are alkaline and calcareous with a strongly lime-cemented hardpan at moderate depths (USDA 2018b). This soils series occurs within the southeastern corner of the study area, which has been converted to a disturbed land cover.
- **Cieneba Series** consists of excessively drained, very shallow and shallow soils formed from granitic rock. These soils are typically found on hills and mountains (USDA 2018b). Within the study area, this soil

series makes up the western half of the project site, which has been converted to disturbed, ornamental, and urban/developed land covers.

- **Delhi Series** consists of very deep, somewhat excessively drained soils formed in wind modified material weathered from granitic rock sources (USDA 2018b). These soils are typically found on floodplains, alluvial fans, and terraces. This soil series occurs within the eastern half of the project site, which has been converted to ornamental and urban/developed land covers.
- **Fallbrook Series** consists of deep, well-drained soils formed in material weathered from granitic rock and typically found on rolling hills (USDA 2018b). This soil series occurs within the central portion of project site and northern and southern portions of the study area. These area have been converted to disturbed, ornamental, and urban/developed land covers.
- **Placentia Series** consists of deep, well-drained soils formed in alluvium from granite and other rocks of similar composition and texture (USDA 2018b). This soil series occurs within the most western and southern portions of the study area. These area have been converted to disturbed, ornamental, and urban/developed land covers.
- **Vista Series** consists of moderately deep, well-drained soils formed in material weathered from decomposed granitic rocks. These soils are typically found on hills and mountainous uplands (USDA 2018b). This soil series occurs within the eastern-most portion of the study area, which has been converted to disturbed and urban/developed land covers.

3.3 Vegetation Communities and Land Covers

Four non-natural land cover types were identified within the study area: disturbed land, general agriculture, parks and ornamental plantings, and urban/developed. Figure 3, Biological Resources Map, illustrates the distribution of land covers, and Table 2 provides a summary of each land cover's extent within the study area.

Table 2. Vegetation Communities and Land Covers within the Study Area

Vegetation Community/Land Cover	Acreage
Non-Natural Land Covers	
Disturbed Land	2.01
General Agriculture	7.52
Parks and Ornamental Plantings	3.98
Urban/Developed	24.14
Total	**37.65**

3.3.1 Disturbed Land

Although not recognized by the *Vegetation Alliances of Western Riverside County,* the classification of disturbed land is due to the predominance of bare ground and compacted soils with a sparse covering of non-native plant species, and other disturbance-tolerant plant species. Oberbauer et al. (2008) describes disturbed land as areas that have been physically disturbed by previous human activity and are no longer recognizable as a native or naturalized vegetation association but that continue to retain a soil substrate.

Disturbed land occurs within the southern portion of the study area. This area is primarily comprised of bare ground, but also contains short-pod mustard (*Hirschfeldia incana*) and telegraph weed (*Heterotheca grandiflora*).

3.3.2 General Agriculture

Although not recognized by the *Vegetation Alliances of Western Riverside County,* general agriculture refers to areas where row and field crops are or have been grown. These areas may support grass species such as barley (*Hordeum* spp.) and wild oat (*Avena* spp.). This land has little biological resource value because it provides very limited habitat value for most native species. However, this area may supply grain and water for native and migratory birds.

This land cover occurs within a small section of the eastern portion of the study area. This land cover was generally devoid of vegetation.

3.3.3 Parks and Ornamental Plantings

Although not recognized by the *Vegetation Alliances of Western Riverside County,* areas mapped as parks and ornamental plantings include planted areas where ornamental landscaping has been installed as part of a recreational park, development, or roadway landscaping.

Within the study area, parks and ornamental plantings includes landscaping associated with the Norco College campus. This area is primarily comprised of bare ground and artificial fill soils with strips of landscaped vegetation with ornamental species, including edible fig (*Ficus carica*), ornamental yucca (*Yucca* sp.), and ornamental sage (*Salvia* sp.).

3.3.4 Urban/Developed

Although not recognized by the *Vegetation Alliances of Western Riverside County*, the urban/developed land cover refers to areas that have been constructed on or disturbed so severely that native vegetation is no longer supported. This land cover includes areas with permanent or semi-permanent structures, pavement or hardscape, landscaped areas, and areas with a large amount of debris or other materials.

Within the study area, the urban/developed land cover includes the Norco College campus to the north and east, as well as residential development to the south.

3.4 Floral Diversity

A total of 19 species of native or naturalized plants—11 native (58%) and 8 non-native (42%)—were recorded within the study area. This low plant diversity reflects the study area's disturbed environment and its proximity to adjacent developed and landscaped areas. Plant species observed within the study area are listed in Attachment C.

3.5 Wildlife

A total of 14 bird species were detected within the study area, including house finch (*Haemorhous mexicanus*), Anna's hummingbird (*Calypte anna*), American kestrel (*Falco sparverius*), Say's phoebe (*Sayornis saya*), and California towhee (*Melozone crissalis*). No active bird nests were observed within the study area during the field surveys; however, the vegetated portions of the study area could support nesting birds. Three mammal species were detected within the study area including domestic dog (*Canis lupus familiaris*), desert cottontail (*Sylvilagus audubonii*), and California ground squirrel (*Spermophilus* [*Otospermophilus*] *beecheyi*). Additionally, one reptile species was detected within the study area: common side-blotched lizard (*Uta stansburiana*). No amphibian species were detected, and none are expected to occur due to the lack of natural aquatic habitat. The low wildlife diversity reflects the relatively disturbed nature of the study area, as well as the lack of contiguous habitat. Wildlife species observed within the study area are listed in Attachment D.

3.6 Special-Status Plant Species

No plant species listed or proposed for listing as rare, threatened, or endangered by either CDFW or the USFWS were detected within the study area. The study area is not within Critical Habitat for any federally-listed plant species (USFWS 2018). Additionally, no plant species considered sensitive by the CNPS were detected.

Based on the results of the literature review and database searches, 41 special-status plant species have been documented within the region. All of these species were evaluated for potential to occur within the study area. Criteria used included soils, current disturbance levels, natural vegetation communities present, elevation ranges, and previous known locations based on the California Natural Diversity Database, CNPS, and Calflora records.

There are no federally or state-listed as endangered plant species with a potential to occur in the study area. Due to the developed nature of the project site, all non-listed special-status species were determined to either have low potential or were not expected to occur within the project site. A list and determination of potential to occur for these species can be found in Attachment E.

3.7 Special-Status Wildlife Species

No wildlife species listed or proposed for listing as rare, threatened, or endangered by either CDFW or the USFWS were detected within the study area. The study area is not within Critical Habitat for any federally-listed wildlife species (USFWS 2018).

Attachment F lists 46 special-status wildlife species that are known to occur in the U.S. Geological Survey 7.5-minute Corona North quadrangle and the eight surrounding quadrangles (CDFW 2018). For each species listed, a determination was made regarding potential use of the study area by the species based on information gathered

during the field reconnaissance, known habitat preferences, and knowledge of the species' relative distributions in the area.

Due to the developed nature of the project site, all listed wildlife species were determined to either have low potential or were not expected to occur within the project site. The federally-listed endangered and state-listed threatened Stephens' kangaroo rat (*Dipodomys stephensi*) has a low potential to occur in both the project site and the study area. The project site is within the *Stephens' Kangaroo Rat Habitat Conservation Plan* boundaries and the species is a covered species under the MSHCP. In addition, the federally endangered Delhi sands flower-loving fly (*Rhaphiomidas terminatus abdominalis*) has a low potential to occur in the study area and is not expected to occur in the project site. This species is also a covered species under the MSHCP.

Three non-listed, special-status species were determined to have a moderate potential to occur within the study area: red diamondback rattlesnake (*Crotalus ruber*), Blainville's horned lizard (*Phrynosoma blainvillii*), and burrowing owl. Red diamondback rattlesnake and Blainville's horned lizard are both fully covered under the MSHCP. Burrowing owl requires additional surveys because the proposed project falls within a MSHCP burrowing owl habitat assessment area.

3.7.1 MSHCP Burrowing Owl Habitat Assessment

The proposed project is located within the MSHCP Burrowing Owl Habitat Assessment Area. In accordance with the MSHCP, a habitat assessment was conducted for this species.

The burrowing owl is considered a California Species of Special Concern by the CDFW and a covered species under the MSHCP. With a relatively wide-ranging distribution throughout the west, burrowing owl is considered to be a habitat generalist (Lantz et al. 2004). In California, burrowing owl is a yearlong resident of open, dry grassland and desert habitats, and in grass, forb, and open shrub stages of pinyon–juniper and ponderosa pine habitats (Zeiner et al. 1990). Preferred habitat is generally typified by short, sparse vegetation with few shrubs; level to gently sloping topography; and well-drained soils (Haug et al. 1993).

The presence of burrows is the most essential component of burrowing owl habitat, as they are required for nesting, roosting, cover, and caching prey. In California, western burrowing owl most commonly lives in burrows created by California ground squirrels. Burrowing owl may occur in human-altered landscapes such as agricultural areas, ruderal grassy fields, vacant lots, and pastures if the vegetation structure is suitable (i.e., open and sparse), useable burrows are available, and foraging habitat is close (Gervais et al. 2008). Debris piles, riprap, culverts, and pipes can also be used for nesting and roosting.

The nearest documented occurrence of burrowing owl is approximately 1.0 miles southwest of the study area. This occurrence was documented in 2007 (CDFW 2018).

The project site is primarily developed with ornamental and landscape features associated with the college; however, there is a narrow band of open, disturbed habitat along the southern boundary that contains several small mammal burrows. This section of open habitat provides moderate quality potential foraging habitat for burrowing owl due to its small extent and its lack of continuity with surrounding higher-quality habitat.

3.7.2 MSHCP Narrow Endemic Plant Species Assessment

The proposed project is located within the Narrow Endemic Plant Species Survey Area 7. In accordance with the MSHCP, a habitat assessment must be conducted for the target species and focused surveys completed if suitable habitat is present. The target narrow endemic plants are Brand's phacelia, San Diego ambrosia, and San Miguel savory. Details regarding the habitat requirements for each of these species is provided in Attachment E.

Brand's phacelia, San Diego ambrosia, and San Miguel savory are not expected to occur within the study area. These species are commonly found in association with natural, undisturbed vegetation communities and an evaluation of the study area did not yield conditions suitable for these species. Because the habitat assessment for narrow endemic plant species did not identify habitat characteristics associated with these species, focused narrow endemic plant species surveys are not required.

3.7.3 Nesting Birds

The project site is primarily developed as an ornamental landscape feature associated with the college; however, the surrounding study area supports trees and shrubs that may provide potential nesting habitat for commonly occurring birds such as Anna's hummingbird or house finches. In addition, ground-nesting birds such as killdeer (*Charadrius vociferus*) may utilize the disturbed portions of the study area. The study area does not contain large trees suitable for raptor nesting.

3.8 Jurisdictional Waters and Significant Drainage Courses

No jurisdictional waters, including wetlands, regulated by the U.S. Army Corps of Engineers, Regional Water Quality Control Board, or CDFW occur within the project impact footprint. Several erosional, non-jurisdictional features occur within the central portion of the project site. These features are associated with the landscaped areas and result from urban runoff and artificial irrigation.

3.9 Wildlife Corridors and Habitat Linkages

Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation; they may be continuous habitat or discrete habitat islands that function as stepping stones for wildlife dispersal. Wildlife movement through the project site is unlikely due to the developed nature of surrounding land use. An active college campus occupies the majority of the surrounding area, as well as rural residential development. Therefore, the study area has limited to no value as a potential wildlife corridor or habitat linkage.

4 Western Riverside County MSHCP Consistency Analysis

The project site is located in the MSHCP Cities of Riverside and Norco Area Plan and must comply with relevant section of the MSHCP. The project site is not within an MSHCP Criteria Cell (Figure 4, Western Riverside County MSHCP); therefore, no Reserve Assembly requirements would apply to the project site. The project's compliance with the relevant sections of the MSHCP is discussed below.

4.1 Riparian/Riverine Resources (MSHCP Section 6.1.2)

The MSHCP defines riparian/riverine areas as "lands which contain habitat dominated by trees, shrubs, persistent emergent, or emergent mosses and lichens, which occur close to or which depend upon soil moisture from a nearby fresh water source; or areas with fresh water flow during all or a portion of the year." The MSHCP further clarifies those areas "demonstrating characteristics as described above which are artificially created are not included in these definitions" (County of Riverside 2003).

The project site contains two unvegetated, v-ditches which appear to drain water from the parking lot to the east onto the project site. These features are artificially created, do not rely on a freshwater source, and do not convey flow to downstream resources; therefore, it is not considered a riverine feature as defined by the MSHCP.

In addition, the project site and study area contains one individual mulefat (*Baccharis salicifolia*) and one black willow (*Salix gooddingii*) sapling, both as a result of stormwater runoff and irrigation within the study area. Because these riparian plants are not supported by a natural, freshwater source and do not function as riparian habitat, they are not considered riparian resources as defined by the MSHCP.

Finally, the individual mulefat and black willow sapling are not sufficient to support riparian bird species such as least Bell's vireo (*Vireo bellii pusillus*), southwestern willow flycatcher (*Empidonax traillii extimus*), or yellow-billed cuckoo (*Coccyzus americanus*). This is due to the small size of each plant's extent that does not make it a vegetation community, the lack of understory or closed-canopy features that give depth to the plants, the lack of continuity with higher quality habitat, and the project site surroundings (existing and planned development).

The project does not support riparian/riverine resources or habitat suitable for riparian-dependent species as defined under the MSHCP. Further, as described in Section 6, the project would avoid impacts to this area; therefore, no additional steps are required under the MSHCP.

4.1.1 Vernal Pool and Fairy Shrimp Habitat

The study area does not contain clay soils, bedrock, or other poorly drained soils typically associated with vernal pools. During the survey, no topographic low points or indicators of ponding were observed within the study area and are not present on historic aerials or topographic maps. The project does not support vernal pools or other fairy shrimp habitat; therefore, focused fairy shrimp surveys are not required.

4.2 Narrow Endemic Plant Species Survey Area (MSHCP Section 6.1.3)

As discussed in Section 3.7.2 of this report, the habitat assessment did not identify potential habitat for narrow endemic plant species and as a result focused surveys were not conducted for Brand's phacelia, San Diego ambrosia, and San Miguel savory.

4.3 Criteria Area Species Survey Area (MSHCP Section 6.3.2)

The MSHCP establishes habitat assessment requirements for certain species of plants, birds, mammals, and amphibians. The project site is in a required habitat assessment area for burrowing owl. As discussed in Section

3.7.1 of this report, the habitat assessment identified potential burrowing owl habitat and as a result focused surveys were conducted. No burrowing owls or sign of burrowing owls (including feathers, whitewash, or pellets) were observed during the focused surveys (Figure 5, Burrowing Owl Survey Results). Site conditions can change prior to development of the site as California ground squirrels have the potential to move in and create suitable burrows for burrowing owl. To avoid potential for significant impacts to burrowing owl during construction activities, a pre-construction burrowing owl survey should be conducted and avoidance measures implemented if burrowing owls are present.

4.4 Urban/Wildlife Interface Guidelines (MSHCP Section 6.1.4)

According to the MSHCP, the Urban/Wildlands Interface Guidelines are intended to address indirect effects associated with locating development in proximity to the MSHCP Conservation Area (MSHCP, p. 6–42). The project site is not within or adjacent to any conserved areas (Figure 4); therefore, the Urban/Wildlife Interface Guidelines are not applicable.

5 Impacts Analysis and Recommendations

This section addresses potential impacts to special-status biological resources that could result from implementation of the proposed project. This section follows the CEQA checklist for biological resources. For the purposes of this biological analysis, it is assumed that the entire project site would be permanently impacted (Figure 6, Impacts).

5.1 Special-Status Vegetation Communities

Several non-natural land covers would be directly impacted as a result of project implementation. Table 3 summarizes the land covers that would be impacted within the project site. However, no special-status vegetation communities occur on the project site; therefore, no impacts to special-status vegetation communities would occur with project implementation.

Table 3. Impacts to Land Covers on the Project Site

Vegetation Community/Land Cover	Acreage
Parks and Ornamental Plantings	2.55
General Agriculture	–
Disturbed Land	0.33
Urban/Developed	<0.01
Total	**2.88**

5.2 Special-Status Plants

There are no special-status plant species that have moderate or high potential to occur within the project impact area; therefore, there are no expected direct or indirect impacts to special-status plant species with project implementation.

5.3 Special-Status Wildlife

Three non-listed special-status wildlife species have at least a moderate potential to occur adjacent to the project site (red diamondback rattlesnake, Blainville's horned lizard, and burrowing owl). Although general and focused surveys did not result in the detection of these species, they may occupy the site prior to initiation of construction activities. As a result, the project could result in direct and indirect impacts to these species. Direct impacts could include crushing individuals during initial grading activities. Indirect impacts could include noise, dust, pollution, and entrapment during construction activities.

Implementation of general construction best management practices (MM-BIO-1) and consistency with the MSHCP, which includes payment of the MSHCP Development Fee (implemented as a project design feature), would reduce potential indirect impacts to these species to less than significant.

5.3.1 Burrowing Owl

Although general wildlife and focused surveys for the burrowing owl did not result in the detection of this species, they may occupy the site prior to initiation of construction activities. As a result, the project could result in direct and indirect impacts to these species. Direct impacts could include crushing individuals during initial grading activities. Indirect impacts could include noise, dust, pollution, and entrapment during construction activities

If burrowing owl occupy the project site or surrounding habitat, indirect impacts could be significant. To avoid potential for significant impacts to burrowing owl during construction activities, a pre-construction burrowing owl survey should be conducted and avoidance measures implemented if burrowing owl are present (MM-BIO-2).

5.3.2 Nesting Birds

Project construction could result in significant direct and indirect impacts to nesting birds, including the loss of nests, eggs, and fledglings if vegetation clearing and ground-disturbing activities occur during the avian nesting season (typically March 1 through August 31). If the nesting bird season cannot be avoided, a nesting bird survey should be conducted and avoidance measures implemented if nests are documented within the impact footprint or within 300 feet of the impact footprint (MM-BIO-3).

5.4 Jurisdictional Waters

The proposed project site does not contain jurisdictional waters; therefore, the proposed project would not result in impacts to this resource.

5.5 Wildlife Corridors and Nursery Sites

The project site does not function as a wildlife corridor and does not support any wildlife nursery sites. As a result, implementation of the proposed project would not result in impacts to these resources.

5.6 Habitat Conservation Plans

The project site is within the MSHCP Plan Area. As described in Section 4, the project site does not support riparian/riverine resources, vernal pools or fairy shrimp habitat, narrow endemic plant habitat, or criteria area species habitat; therefore, there are no requirements under the MSHCP for these resources. The project is also not adjacent to conservation areas; therefore, the Urban/Wildlife Interface Guidelines are not applicable. The project does not support burrowing owl habitat; however, burrowing owl have the potential to occupy the site in the future. With implementation of the burrowing owl pre-construction surveys and avoidance and minimization measures if applicable, the project would be consistent with the MSHCP burrowing owl requirements. With implementation of mitigation measure MM-BIO-2, Burrowing Owl Pre-construction Surveys, and payment of the MSHCP Development Mitigation Fee (implemented as a project design feature) the proposed project would be consistent with the MSHCP.

The project site is within the Stephens' Kangaroo Rat Habitat Conservation Plan boundary. With payment of the MSHCP Development Mitigation Fee, the proposed project would be consistent with the Stephens' Kangaroo Rat Habitat Conservation Plan. As stated above, payment of the Development Mitigation Fee shall be implemented as a project design feature.

5.7 Other Local Ordinances

The City has adopted a tree removal policy (Municipal Code Chapter 12.08 Encroachments-Excavations) which affords protection to any tree planted in the right-of-way of any city street. It is unlawful to remove or severely trim any tree without a permit. The biological study area contains several mature palm trees that have been planted and maintained for several years. However, the proposed project site does not contain mature trees within the right-of-way of any city street. Therefore, acquisition of trees are not anticipated and a tree removal permit would not be needed to be obtained for the proposed project. There are no other local ordinances applicable to the project.

6 Avoidance, Minimization and Mitigation Measures

The following measures are recommended to avoid, minimize and/or mitigate for impacts to special-status resources.

MM-BIO-1 General Avoidance and Minimization Measures

The following avoidance and minimization measures shall be implemented during project construction activities.

- Construction work areas shall be kept clean of debris, such as trash and construction materials. Fully covered trash receptacles that are animal-proof will be installed and used during

construction to contain all food, food scraps, food wrappers, beverage containers, and other miscellaneous trash. Trash contained within the receptacles will be removed at least once a week from the proposed project site.

- Staging and storage areas for spoils, equipment, materials, fuels, lubricants, and solvents shall be located within the designated impact area or adjacent developed areas.
- To prevent inadvertent entrapment of special-status wildlife during construction, all excavated steep-walled holes or trenches more than 2 feet deep shall be covered with plywood or similar materials at the close of each working day, or be provided with one or more escape ramps constructed of earth fill or wooden planks. Before such holes or trenches are filled, they shall be thoroughly inspected for trapped wildlife. If trapped animals are observed, escape ramps or structures shall be installed immediately to allow escape.
- All pipes, culverts, or similar structures with a diameter of 4 inches or more that are stored at a construction site for one or more overnight periods shall be thoroughly inspected for special-status wildlife or nesting birds before the pipe is subsequently buried, capped, or otherwise used or moved in any way. If an animal is discovered inside a pipe, that section of pipe shall not be moved until the animal has either moved from the structure on its own accord or until the animal has been captured and relocated by a qualified biologist.

MM-BIO-2: Prior to initiation of construction activities, a burrowing owl pre-construction survey shall be conducted in accordance with the *Burrowing Owl Survey Instructions for the Western Riverside Multiple Species Habitat Conservation Plan Area* (RCA 2006). In accordance with these instructions, this survey would occur within 30 days prior to ground-disturbance activities. A minimum of one survey site visit within the described time frame prior to disturbance is required to confirm presence or absence of owls on the site. Pre-construction surveys shall be conducted by a qualified biologist.

If surveys confirm occupied burrowing owl habitat is located within the impact footprint or within 500 feet of the impact footprint, avoidance measures shall be implemented consistent with the requirements of the MSHCP.

MM-BIO-3: To maintain compliance with the Migratory Bird Treaty Act and Fish and Game Code, if ground disturbance and/or vegetation clearance activities are scheduled to occur during the avian nesting season, a pre-construction nesting bird survey shall be conducted by a qualified biologist within the project footprint and a 300-foot buffer around the project footprint. Surveys shall be conducted within 3 days prior to initiation of activity and will be conducted between dawn and noon.

If an active nest is detected during the nesting bird survey, avoidance buffers shall be implemented as determined by a qualified biologist. The buffer will be of a distance to ensure avoidance of adverse effects to the nesting bird by accounting for topography, ambient conditions, species, nest location, and activity type. All nests will be monitored as determined by

the qualified biologist until nestlings have fledged and dispersed or it is confirmed that the nest has been unsuccessful or abandoned.

7 Conclusions

The proposed project has the potential to result in significant direct and indirect impacts to special-status wildlife species and nesting birds. However with implementation of avoidance, minimization and mitigation measures as described in Section 6; the project would have less-than-significant impacts to biological resources.

If you have any questions regarding the contents of this report, please either email rhenry@dudek.com or call at 949.812.8968.

Sincerely,

Ryan Henry
Senior Biologist / Project Manager

Att.: Attachment A – Figures 1–5
Attachment B – Site Photographs
Attachment C – Vascular Plant Species
Attachment D – Wildlife Species
Attachment E – Special-Status Plant Species Detected or Potentially Occurring in the Study Area
Attachment F – Special-Status Wildlife Species Detected or Potentially Occurring in the Study Area

8 References Cited

AOU (American Ornithologists' Union). 2015. *Checklist of North and Middle American Birds.* 7th Edition and Supplements. http://checklist.aou.org/taxa/.

Calflora. 2018. The Calflora Database. Berkeley, California: Calflora. Accessed September 2018. http://www.calflora.org/.

CDFG (California Department of Fish and Game). 2010. *List of Vegetation Alliances and Associations: Natural Communities List Arranged Alphabetically by Life Form*. September 2010. http://www.dfg.ca.gov/biogeodata/vegcamp/natural_comm_list.asp.

CDFW (California Department of Fish and Wildlife). 2018. California Natural Diversity Database. RareFind, Version 5 (Commercial Subscription). Sacramento, California: CDFW, Biogeographic Data Branch. Accessed September 2018. https://www.dfg.ca.gov/biogeodata/cnddb/mapsanddata.asp.

CNPS (California Native Plant Society). 2018. *Inventory of Rare and Endangered Plants* (online ed., version 8-02). Sacramento, California: CNPS, Rare Plant Program. Accessed September 2018. http://www.rareplants.cnps.org.

County of Riverside. 2003. *Western Riverside County Multiple Species Habitat Conservation Plan.* County of Riverside, Transportation and Land Management Agency, Riverside County Integrated Project. MSHCP adopted June 17, 2003. Accessed September 2018. http://www.rctlma.org/mshcp.

Crother, B.I. 2012. *Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with Comments Regarding Confidence in our Understanding*, edited by J.J. Moriarty. 7th ed. Society for the Study of Amphibians and Reptiles (SSAR); Herpetological Circular no. 39. August 2012. http://home.gwu.edu/~rpyron/publications/ Crother_et_al_2012.pdf.

Gervais, J.A., D.K. Rosenberg, and L.A. Comrack. 2008. "Burrowing owl (*Athene cunicularia*)." In *California Bird Species of Special Concern: A Ranked Assessment of Species, Subspecies, and Distinct Populations of Birds of Immediate Conservation Concern in California*, edited by W.D. Shuford and T. Gardali, 218–226. Studies of Western Birds no. 1. California: Western Field Ornithologists (Camarillo), and California Department of Fish and Game (Sacramento). February 4, 2008. http://www.dfg.ca.gov/wildlife/ nongame/ssc/birds.html.

Haug, E.A., B.A. Millsap, and M.S. Martell. 1993. "The Burrowing Owl (*Speotyto cunicularia*)." In *The Birds of North America*, edited by A. Poole and F. Gill. Philadelphia, Pennsylvania: The Academy of Natural Sciences, and Washington, D.C.: The American Ornithologists' Union.

Jepson Flora Project. 2018. *Jepson eFlora*. Berkeley, California: University of California. http://ucjeps.berkeley.edu/IJM.html.

Klein, A., and J. Evens. 2006. *Vegetation Alliances of Western Riverside County, California*. Final report prepared for the California Department of Fish and Game Habitat Conservation Division. Sacramento, California: California Native Plant Society. Published August 2005; revised April 2006. Accessed May 2018. www.cnps.org/cnps/ vegetion/pdf/wriv_vegetation_ cnpsfinalreport_April2006.pdf.

Lantz, S.J., H. Smith, and D.A. Keinath. 2004. *Species Assessment for Western Burrowing Owl* (Athene cunicularia hypugaea) *in Wyoming*. Prepared for the U.S. Department of Interior and Bureau of Land Management.

Oberbauer, T., M. Kelly, and J. Buegge. 2008. *Draft Vegetation Communities of San Diego County*. March 2008. http://www.sdcanyonlands.org/canyon-groups/canyon-group-resources/canyon-enhancement-guide/189-canyonenhancement-planning-guide-materials.

RCA (Resource Conservation Authority). 2006. *Burrowing Owl Survey Instructions for the Western Riverside Multiple Species Habitat Conservation Plan Area*. March 29, 2006. Accessed August 9, 2018. http://rctlma.org/ Portals/1/EPD/consultant/ burrowing_owl_ survey_ instructions.pdf.

Sawyer, J., T. Keeler-Wolf., and J.M. Evens. 2009. *A Manual of California Vegetation*. 2nd ed. Sacramento, California: California Native Plant Society.

USDA (U.S. Department of Agriculture). 2018a. "California." State PLANTS Checklist. http://plants.usda.gov/dl_state.html.

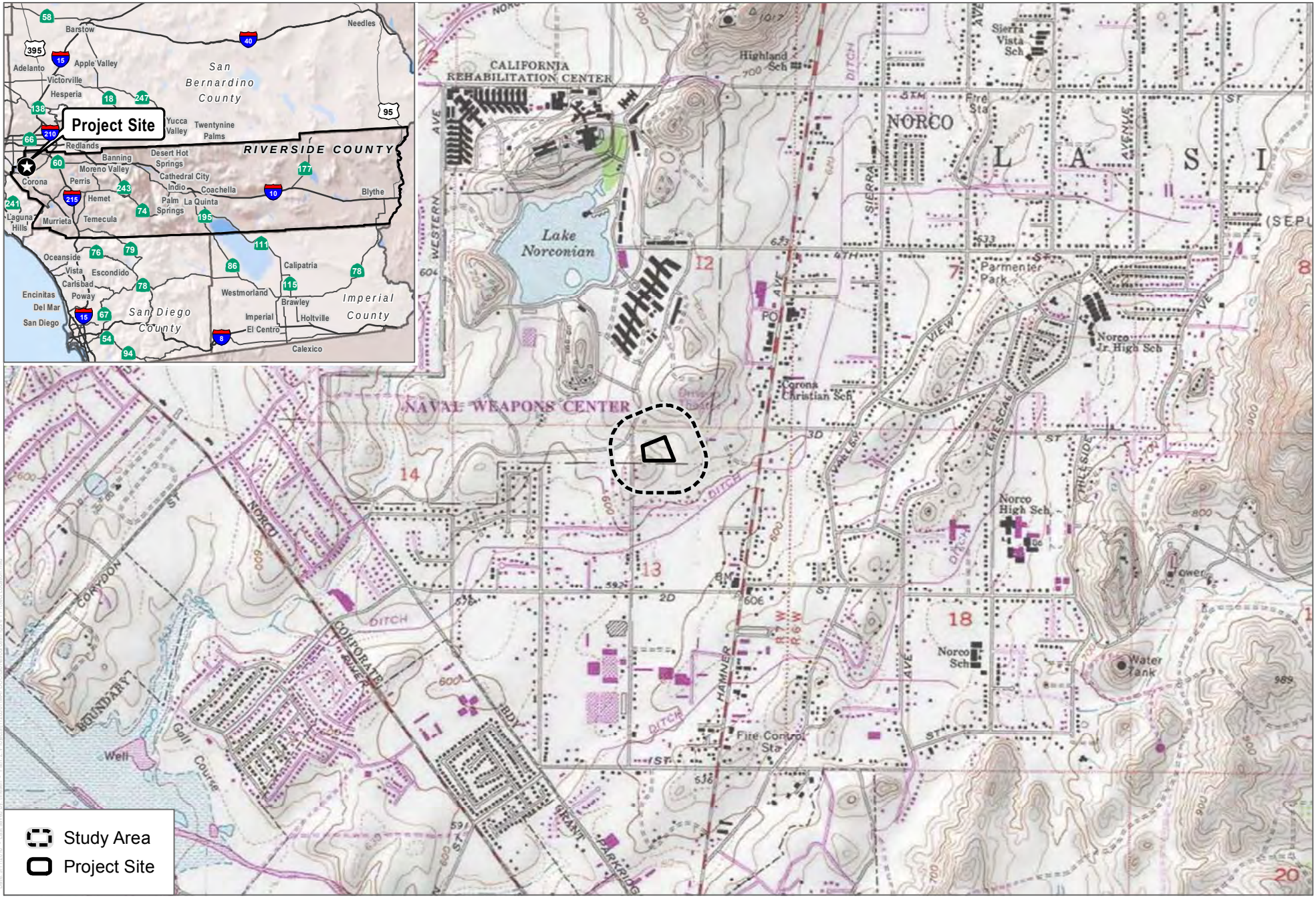
USDA. 2018b. Web Soil Survey. USDA, Natural Resources Conservation Service, Soil Survey Staff. http://websoilsurvey.nrcs.usda.gov/.

USFWS. 2018. Critical Habitat and Occurrence Data. Accessed September 2018. http://fws.maps.arcgis.com/home/webmap/viewer.html?webmap= 9d8de5e265ad4fe09893cf75b8dbfb77.

Zeiner, D.C., W.F. Laudenslayer Jr., K.E. Mayer, and M. White, eds. 1990. *California's Wildlife: Volume III. Mammals*. Sacramento, California: California Department of Fish and Game.

Attachment A

Figures 1–6



SOURCE: USGS 7.5 Minute Series Corona North Quadrangle

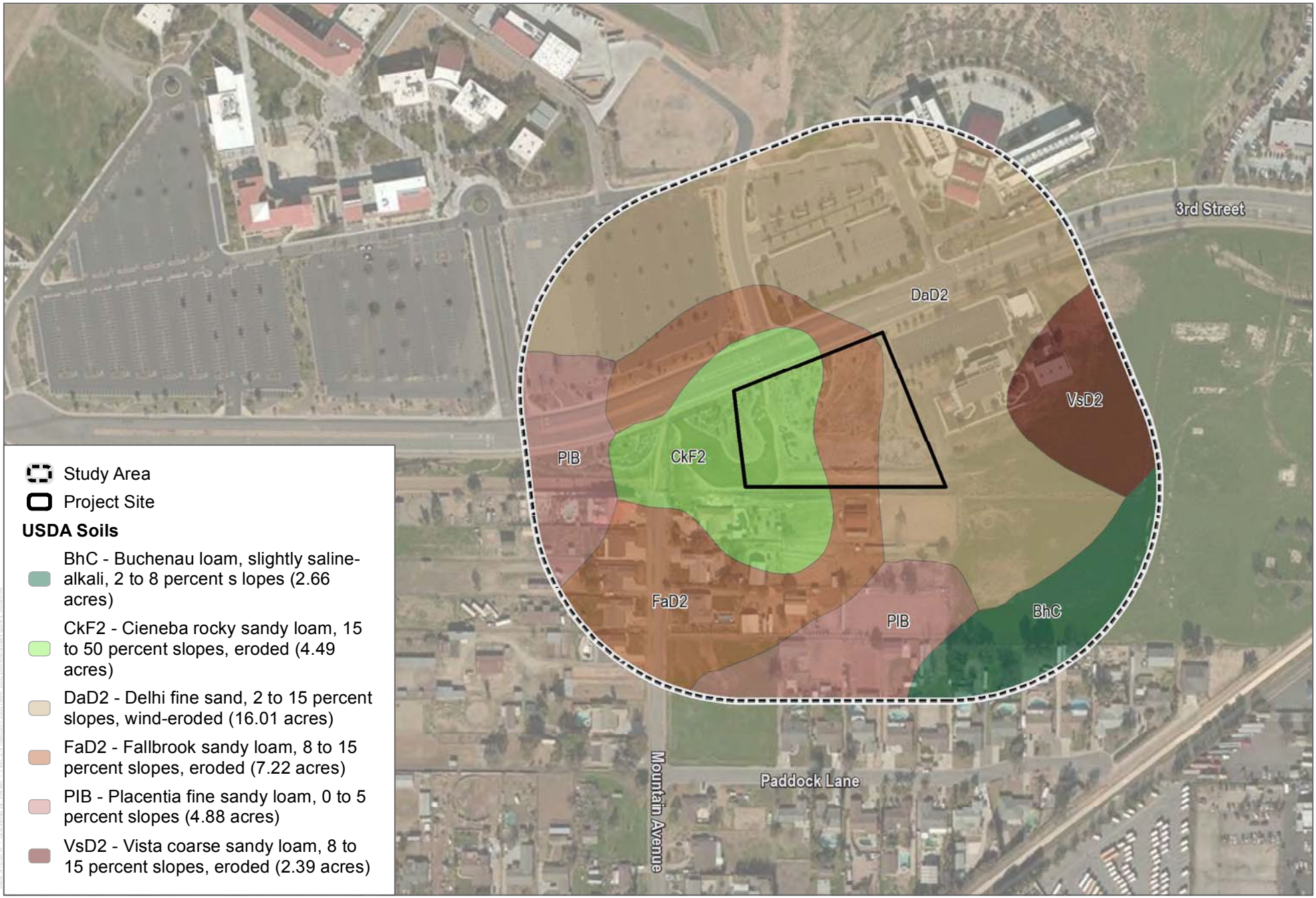
DUDEK

0 1,000 2,000 Feet

FIGURE 1

Project Location

Biological Resources Letter Report and MSHCP Consistency for the Norco College Veterans Resource Center Project



SOURCE: Bing Maps 2018, USDA 2008

DUDEK

0 150 300 Feet

FIGURE 2

Soils

Biological Resources Letter Report and MSHCP Consistency for the Norco College Veterans Resource Center Project

SOURCE: Bing Maps 2018

DUDEK

0 150 300 Feet

FIGURE 3

Biological Resources

Biological Resources Letter Report and MSHCP Consistency for the Norco College Veterans Resource Center Project

SOURCE: Bing Maps 2018, County of Riverside 2018

DUDEK

0 150 300 Feet

FIGURE 4

Western Riverside MSHCP

Biological Resources Letter Report and MSHCP Consistency for the Norco College Veterans Resource Center Project

SOURCE: Bing Maps 2018

DUDEK

0 150 300 Feet

FIGURE 5

Burrowing Owl Survey Results

Biological Resources Letter Report and MSHCP Consistency for the Norco College Veterans Resource Center Project

SOURCE: Bing Maps 2018

DUDEK

0 150 300 Feet

FIGURE 6

Proposed Impacts

Biological Resources Letter Report and MSHCP Consistency for the Norco College Veterans Resource Center Project

Attachment B

Site Photographs

ATTACHMENT B
Photograph Documentation

Location 1: View of parks and ornamental plantings (landscape feature) within central portion of project site looking north.	**Location 2:** View of parks and ornamental plantings (landscape feature) within central portion of project site looking west.
Location 3: View of disturbed and parks and ornamental plantings (landscape feature) looking west.	**Location 4**: View of disturbed and urban/developed land covers area looking southwest.

Location 5: View of general agriculture land cover looking east.

Location 6: View of parks and ornamental plantings (landscape feature) looking northeast.

Location 7: View of erosional feature from parking lot looking northeast.

Location 8: View of parks and ornamental plantings (landscape feature) looking south.

Attachment C

Vascular Plant Species

APPENDIX C
Vascular Plant Species

VASCULAR SPECIES

MONOCOTS

ARECACEAE—PALM FAMILY

* *Washingtonia robusta*—Washington fan palm

POACEAE—GRASS FAMILY

Hordeum jubatum—foxtail barley

* *Schismus barbatus*—common Mediterranean grass

EUDICOTS

AIZOACEAE—FIG-MARIGOLD FAMILY

* *Carpobrotus edulis*—ice plant

ASTERACEAE—SUNFLOWER FAMILY

Artemisia californica—California sagebrush

Baccharis pilularis—coyote brush

Baccharis salicifolia—mulefat

Baccharis sarothroides—desertbroom

Erigeron canadensis—Canadian horseweed

Helianthus gracilentus—slender sunflower

Heterotheca grandiflora—telegraphweed

BORAGINACEAE—BORAGE FAMILY

Heliotropium curassavicum—salt heliotrope

BRASSICACEAE—MUSTARD FAMILY

* *Hirschfeldia incana*—shortpod mustard

CHENOPODIACEAE—GOOSEFOOT FAMILY

* *Salsola tragus*—prickly Russian thistle

CUCURBITACEAE—GOURD FAMILY

Cucurbita palmata—coyote gourd

MORACEAE—MULBERRY FAMILY

* *Ficus carica*—edible fig

SALICACEAE—WILLOW FAMILY

Salix gooddingii—black willow

SOLANACEAE—NIGHTSHADE FAMILY

* *Nicotiana glauca*—tree tobacco

TAMARICACEAE—TAMARISK FAMILY

* *Tamarix ramosissima*—saltcedar

* signifies introduced (non-native) species

Attachment D

Wildlife Species

APPENDIX D
Wildlife Species

BIRD

FALCONS

FALCONIDAE—CARACARAS AND FALCONS

Falco sparverius—American kestrel

FINCHES

FRINGILLIDAE—FRINGILLINE AND CARDUELINE FINCHES AND ALLIES

Haemorhous mexicanus—house finch

Spinus psaltria—lesser goldfinch

FLYCATCHERS

TYRANNIDAE—TYRANT FLYCATCHERS

Empidonax difficilis—Pacific-slope flycatcher

Sayornis nigricans—black phoebe

Sayornis saya—Say's phoebe

Tyrannus vociferans—Cassin's kingbird

HAWKS

ACCIPITRIDAE—HAWKS, KITES, EAGLES, AND ALLIES

Buteo jamaicensis—red-tailed hawk

HUMMINGBIRDS

TROCHILIDAE—HUMMINGBIRDS

Calypte anna—Anna's hummingbird

JAYS, MAGPIES AND CROWS

CORVIDAE—CROWS AND JAYS

Corvus corax—common raven

MOCKINGBIRDS AND THRASHERS

MIMIDAE—MOCKINGBIRDS AND THRASHERS

Mimus polyglottos—northern mockingbird

PIGEONS AND DOVES

COLUMBIDAE—PIGEONS AND DOVES

Zenaida macroura—mourning dove

SWALLOWS

HIRUNDINIDAE—SWALLOWS

Stelgidopteryx serripennis—northern rough-winged swallow

NEW WORLD SPARROWS

PASSERELLIDAE—NEW WORLD SPARROWS

Melozone crissalis—California towhee

MAMMAL

DOMESTIC

CANIDAE—WOLVES AND FOXES

* *Canis lupus familiaris*—domestic dog

HARES AND RABBITS

LEPORIDAE—HARES AND RABBITS

Sylvilagus audubonii—desert cottontail

SQUIRRELS

SCIURIDAE—SQUIRRELS

Spermophilus (Otospermophilus) beecheyi—California ground squirrel

REPTILE

LIZARDS

PHRYNOSOMATIDAE—IGUANID LIZARDS

Uta stansburiana—common side-blotched lizard

* signifies introduced (non-native) species

Attachment E

Special-Status Plant Species Detected or Potentially Occurring in the Study Area

ATTACHMENT E
Special-Status Plant Species Detected or Potentially Occurring in the Study Area

Scientific Name	Common Name	Status		Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
		Federal/State/CRPR	*MSHCP*		
Abronia villosa var. *aurita*	chaparral sand-verbena	None/None/1B.1	None	Chaparral, Coastal scrub, Desert dunes; sandy/annual herb/(Jan)Mar–Sep/245–5250	Not expected to occur. The project site does not support suitable habitat for this species.
Allium munzii	Munz's onion	FE/ST/1B.1	Narrow Endemic Plant Species	Chaparral, Cismontane woodland, Coastal scrub, Pinyon and juniper woodland, Valley and foothill grassland; mesic, clay/perennial bulbiferous herb/Mar–May/970–3510	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Ambrosia pumila	San Diego ambrosia	FE/None/1B.1	Narrow Endemic Plant Species	Chaparral, Coastal scrub, Valley and foothill grassland, Vernal pools; sandy loam or clay, often in disturbed areas, sometimes alkaline/perennial rhizomatous herb/Apr–Oct/65–1360	Not expected to occur. The project site does not support suitable habitat for this species.
Arenaria paludicola	marsh sandwort	FE/SE/1B.1	None	Marshes and swamps (freshwateror brackish); sandy, openings/perennial stoloniferous herb/May–Aug/5–560	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Astragalus brauntonii	Braunton's milk-vetch	FE/None/1B.1	None	Chaparral, Coastal scrub, Valley and foothill grassland; recent burns or disturbed areas, usually sandstone with carbonate layers/perennial herb/Jan–Aug/10–2100	Not expected to occur. The project site does not support suitable habitat for this species.
Atriplex coulteri	Coulter's saltbush	None/None/1B.2	None	Coastal bluff scrub, Coastal dunes, Coastal scrub, Valley and foothill grassland; alkaline or clay/perennial herb/Mar–Oct/5–1510	Not expected to occur. The project site does not support suitable habitat for this species.

Scientific Name	Common Name	Status		Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
		Federal/State/CRPR	*MSHCP*		
Baccharis malibuensis	Malibu baccharis	None/None/1B.1	None	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland/perennial deciduous shrub/Aug/490–1000	Not expected to occur. The project site does not support suitable habitat for this species.
Berberis nevinii	Nevin's barberry	FE/SE/1B.1	Criteria Area Survey Plant Species	Chaparral, Cismontane woodland, Coastal scrub, Riparian scrub; sandy or gravelly/perennial evergreen shrub/(Feb)Mar–June/225–2705	Not expected to occur. The project site does not support suitable habitat for this species.
Calochortus weedii var. *intermedius*	intermediate mariposa lily	None/None/1B.2	Covered	Chaparral, Coastal scrub, Valley and foothill grassland; rocky, calcareous/perennial bulbiferous herb/May–July/340–2805	Not expected to occur. The project site does not support suitable habitat for this species.
Calystegia felix	lucky morning-glory	None/None/1B.1	None	Meadows and seeps (sometimes alkaline), Riparian scrub (alluvial); Historically associated with wetland and marshy places, but possibly in drier situations as well. Possibly silty loam and alkaline/annual rhizomatous herb/Mar–Sep/95–705	Not expected to occur. The project site does not support suitable habitat for this species.
Centromadia pungens ssp. *laevis*	smooth tarplant	None/None/1B.1	Criteria Area Survey Plant Species	Chenopod scrub, Meadows and seeps, Playas, Riparian woodland, Valley and foothill grassland; alkaline/annual herb/Apr–Sep/0–2100	Not expected to occur. The project site does not support suitable habitat for this species.
Chloropyron maritimum ssp. *maritimum*	salt marsh bird's-beak	FE/SE/1B.2	None	Coastal dunes, Marshes and swamps (coastal salt)/annual herb (hemiparasitic)/May–Oct(Nov)/0–100	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Chorizanthe parryi var. *fernandina*	San Fernando Valley spineflower	FC/SE/1B.1	None	Coastal scrub (sandy), Valley and foothill grassland/annual herb/Apr–July/490–4005	Not expected to occur. The project site does not support suitable habitat for this species.

Scientific Name	Common Name	Status		Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
		Federal/State/CRPR	*MSHCP*		
Chorizanthe parryi var. *parryi*	Parry's spineflower	None/None/1B.1	Covered	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; sandy or rocky, openings/annual herb/Apr–June/900–4005	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Chorizanthe polygonoides var. *longispina*	long-spined spineflower	None/None/1B.2	Covered	Chaparral, Coastal scrub, Meadows and seeps, Valley and foothill grassland, Vernal pools; often clay/annual herb/Apr–July/95–5020	Not expected to occur. The project site does not support suitable habitat for this species.
Chorizanthe xanti var. *leucotheca*	white-bracted spineflower	None/None/1B.2	None	Coastal scrub (alluvial fans), Mojavean desert scrub, Pinyon and juniper woodland; sandy or gravelly/annual herb/Apr–June/980–3935	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Cladium californicum	California sawgrass	None/None/2B.2	None	Meadows and seeps, Marshes and swamps Alkaline or Freshwater/perennial rhizomatous herb/June–Sep/195–5250	Not expected to occur. The project site does not support suitable habitat for this species.
Dodecahema leptoceras	slender-horned spineflower	FE/SE/1B.1	Narrow Endemic Plant Species	Chaparral, Cismontane woodland, Coastal scrub (alluvial fan); sandy/annual herb/Apr–June/655–2495	Not expected to occur. The project site does not support suitable habitat for this species.
Dudleya multicaulis	many-stemmed dudleya	None/None/1B.2	Narrow Endemic Plant Species	Chaparral, Coastal scrub, Valley and foothill grassland; often clay/perennial herb/Apr–July/45–2590	Not expected to occur. The project site does not support suitable habitat for this species.
Eriastrum densifolium ssp. *sanctorum*	Santa Ana River woollystar	FE/SE/1B.1	Covered	Chaparral, Coastal scrub (alluvial fan); sandy or gravelly/perennial herb/Apr–Sep/295–2000	Not expected to occur. The project site does not support suitable habitat for this species.
Hesperocyparis forbesii	Tecate cypress	None/None/1B.1	None	Closed-cone coniferous forest, Chaparral; clay, gabbroic or metavolcanic/perennial evergreen tree/N.A./260–4920	Not expected to occur. The project site does not support suitable habitat for this species.

Scientific Name	Common Name	Status		Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
		Federal/State/CRPR	*MSHCP*		
Horkelia cuneata var. *puberula*	mesa horkelia	None/None/1B.1	None	Chaparral (maritime), Cismontane woodland, Coastal scrub; sandy or gravelly/perennial herb/Feb–July(Sep)/225–2655	Not expected to occur. The project site does not support suitable habitat for this species.
Lasthenia glabrata ssp. *coulteri*	Coulter's goldfields	None/None/1B.1	Criteria Area Survey Plant Species	Marshes and swamps (coastal salt), Playas, Vernal pools/annual herb/Feb–June/0–4005	Not expected to occur. The project site does not support suitable habitat for this species.
Lepechinia cardiophylla	heart-leaved pitcher sage	None/None/1B.2	Criteria Area Survey Plant Species	Closed-cone coniferous forest, Chaparral, Cismontane woodland/perennial shrub/Apr–July/1705–4495	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Lycium parishii	Parish's desert-thorn	None/None/2B.3	None	Coastal scrub, Sonoran desert scrub/perennial shrub/Mar–Apr/440–3280	Not expected to occur. The project site does not support suitable habitat for this species.
Malacothamnus parishii	Parish's bush-mallow	None/None/1A	None	Chaparral, Coastal scrub/perennial deciduous shrub/June–July/1000–1495	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Monardella australis ssp. *jokerstii*	Jokerst?s monardella	None/None/1B.1	None	Chaparral, Lower montane coniferous forest; Steep scree or talus slopes between breccia, secondary alluvial benches along drainages and washes./perennial rhizomatous herb/July–Sep/4425–5740	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Monardella hypoleuca ssp. *intermedia*	intermediate monardella	None/None/1B.3	None	Chaparral, Cismontane woodland, Lower montane coniferous forest (sometimes); Usually understory/perennial rhizomatous herb/Apr–Sep/1310–4100	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.

Scientific Name	Common Name	Status		Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
		Federal/State/CRPR	*MSHCP*		
Monardella pringlei	Pringle's monardella	None/None/1A	None	Coastal scrub (sandy)/annual herb/May–June/980–1310	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Navarretia prostrata	prostrate vernal pool navarretia	None/None/1B.1	Criteria Area Survey Plant Species	Coastal scrub, Meadows and seeps, Valley and foothill grassland (alkaline), Vernal pools; Mesic/annual herb/Apr–July/5–3970	Not expected to occur. The project site does not support suitable habitat for this species.
Nolina cismontana	chaparral nolina	None/None/1B.2	None	Chaparral, Coastal scrub; sandstone or gabbro/perennial evergreen shrub/(Mar)May–July/455–4185	Not expected to occur. The project site does not support suitable habitat for this species.
Penstemon californicus	California beardtongue	None/None/1B.2	Covered	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland; sandy/perennial herb/May–June(Aug)/3835–7545	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Pentachaeta aurea ssp. *allenii*	Allen's pentachaeta	None/None/1B.1	None	Coastal scrub (openings), Valley and foothill grassland/annual herb/Mar–June/245–1705	Not expected to occur. The project site does not support suitable habitat for this species.
Phacelia keckii	Santiago Peak phacelia	None/None/1B.3	None	Closed-cone coniferous forest, Chaparral/annual herb/May–June/1785–5250	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Phacelia stellaris	Brand's star phacelia	None/None/1B.1	Narrow Endemic Plant Species	Coastal dunes, Coastal scrub/annual herb/Mar–June/0–1310	Not expected to occur. The project site does not support suitable habitat for this species.
Pseudognaphalium leucocephalum	white rabbit-tobacco	None/None/2B.2	None	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland; sandy, gravelly/perennial herb/(July)Aug–Nov(Dec)/0–6890	Not expected to occur. The project site does not support suitable habitat for this species.

Scientific Name	Common Name	Status		Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
		Federal/State/CRPR	*MSHCP*		
Senecio aphanactis	chaparral ragwort	None/None/2B.2	None	Chaparral, Cismontane woodland, Coastal scrub; sometimes alkaline/annual herb/Jan–Apr(May)/45–2625	Not expected to occur. The project site does not support suitable habitat for this species.
Sidalcea neomexicana	salt spring checkerbloom	None/None/2B.2	None	Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Playas; alkaline, mesic/perennial herb/Mar–June/45–5020	Not expected to occur. The project site does not support suitable habitat for this species.
Sphenopholis obtusata	prairie wedge grass	None/None/2B.2	None	Cismontane woodland, Meadows and seeps; mesic/perennial herb/Apr–July/980–6560	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.
Symphyotrichum defoliatum	San Bernardino aster	None/None/1B.2	None	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Meadows and seeps, Marshes and swamps, Valley and foothill grassland (vernally mesic); near ditches, streams, springs/perennial rhizomatous herb/July–Nov/5–6695	Not expected to occur. The project site does not support suitable habitat for this species.
Thysanocarpus rigidus	rigid fringepod	None/None/1B.2	None	Pinyon and juniper woodland; Dry rocky slopes/annual herb/Feb–May/1965–7220	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present.

Status:
Federal
FE: Federally listed as endangered
FT: Federally listed as threatened
State
SE: State listed as endangered
ST: State listed as threatened
SR: State listed as rare

CRPR: California Rare Plant Rank
1B: Plants rare, threatened, or endangered in California and elsewhere
2B: Plants rare, threatened, or endangered in California, but more common elsewhere
Threat Rank
0.1 – Seriously threatened in California (more than 80% of occurrences threatened/high degree and immediacy of threat)
0.2 – Moderately threatened in California (20%–80% occurrences threatened/moderate degree and immediacy of threat)
0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

MSHCP: Western Riverside County Multiple Species Habitat Conservation Plan

INTENTIONALLY LEFT BLANK

Attachment F

Special-Status Wildlife Species Detected or Potentially Occurring in the Study Area

ATTACHMENT F
Special-Status Wildlife Species Detected or Potentially Occurring in the Study Area

Scientific Name	Common Name	Status		Habitat	Potential to Occur
		Federal/State	*MSHCP*		
Amphibians					
Anaxyrus californicus	arroyo toad	FE/SSC	Covered	Semi-arid areas near washes, sandy riverbanks, riparian areas, palm oasis, Joshua tree, mixed chaparral and sagebrush; stream channels for breeding (typically third order); adjacent stream terraces and uplands for foraging and wintering	Not expected to occur. The project site does not support suitable habitat for this species.
Lithobates pipiens (native populations only)	northern leopard frog	None/SSC	None	Adjacent to permanent and semi-permanent water in a range of habitats	Not expected to occur. The project site does not support suitable habitat for this species.
Spea hammondii	western spadefoot	None/SSC	Covered	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley–foothill woodlands, pastures, and other agriculture	Not expected to occur. The project site does not support suitable habitat for this species.
Taricha torosa (Monterey Co. south only)	California newt	None/SSC	Covered	Wet forests, oak forests, chaparral, and rolling grassland	Not expected to occur. The project site does not support suitable habitat for this species.
Reptiles					
Actinemys marmorata	western pond turtle	None/SSC	Covered	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Not expected to occur. The project site does not support suitable habitat for this species.
Anniella stebbinsi	southern California legless lizard	None/SSC	None	Coastal dunes, stabilized dunes, beaches, dry washes, valley–foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and moist sandy or loose, loamy soils	Not expected to occur. The project site does not support suitable habitat for this species.

Scientific Name	Common Name	Status		Habitat	Potential to Occur
		Federal/State	*MSHCP*		
Arizona elegans occidentalis	California glossy snake	None/SSC	None	Commonly occurs in desert regions throughout southern California. Prefers open sandy areas with scattered brush. Also found in rocky areas.	Not expected to occur. The project site does not support suitable habitat for this species.
Aspidoscelis tigris stejnegeri	San Diegan tiger whiptail	None/SSC	Covered	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	Not expected to occur. The project site does not support suitable habitat for this species.
Coleonyx variegatus abbotti	San Diego banded gecko	None/SSC	Covered	Rocky areas within coastal scrub and chaparral	Not expected to occur. The project site does not support suitable habitat for this species.
Crotalus ruber	red diamondback rattlesnake	None/SSC	Covered	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	Moderate potential to occur. The project site contains suitable habitat for this species and there are 2 documented occurrences within 5.0 miles of the project site (CDFW 2018).
Phrynosoma blainvillii	Blainville's horned lizard	None/SSC	Covered	Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley–foothill hardwood, conifer, riparian, pine–cypress, juniper, and annual grassland habitats	Moderate potential to occur. The project site contains suitable habitat for this species and there is 1 documented occurrence within 4.7 miles of the project site (CDFW 2018).
Salvadora hexalepis virgultea	coast patch-nosed snake	None/SSC	None	Brushy or shrubby vegetation; requires small mammal burrows for refuge and overwintering sites	Not expected to occur. The project site does not support suitable habitat for this species.
Thamnophis hammondii	two-striped gartersnake	None/SSC	None	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	Not expected to occur. The project site does not support suitable habitat for this species.
Birds					
Agelaius tricolor (nesting colony)	tricolored blackbird	BCC/PSE, SSC	Covered	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberrry; forages in grasslands, woodland, and agriculture	Not expected to occur. The project site does not support suitable habitat for this species.

Scientific Name	Common Name	Status		Habitat	Potential to Occur
		Federal/State	*MSHCP*		
Ammodramus savannarum (nesting)	grasshopper sparrow	None/SSC	Covered	Nests and forages in moderately open grassland with tall forbs or scattered shrubs used for perches	Not expected to occur. The project site does not support suitable habitat for this species.
Aquila chrysaetos (nesting and wintering)	golden eagle	BCC/FP, WL	Covered	Nests and winters in hilly, open/semi-open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats	Not expected to occur. The project site does not support suitable habitat for this species.
Asio otus (nesting)	long-eared owl	None/SSC	None	Nests in riparian habitat, live oak thickets, other dense stands of trees, edges of coniferous forest; forages in nearby open habitats	Not expected to occur. The project site does not support suitable habitat for this species.
Athene cunicularia (burrow sites and some wintering sites)	burrowing owl	BCC/SSC	Covered	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Moderate potential to occur. The project site contains suitable habitat for this species and there are 11 documented occurrences within 1.0 to 5.0 miles of the project site (CDFW 2018).
Buteo swainsoni (nesting)	Swainson's hawk	BCC/ST	Covered	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	Not expected to occur. The project site does not support suitable habitat for this species.
Campylorhynchus brunneicapillus sandiegensis (San Diego and Orange Counties only)	coastal cactus wren	BCC/SSC	Covered	Southern cactus scrub patches	Not expected to occur. The project site does not support suitable habitat for this species.
Coccyzus americanus occidentalis (nesting)	western yellow-billed cuckoo	FT, BCC/SE	Covered	Nests in dense, wide riparian woodlands and forest with well-developed understories	Not expected to occur. The project site does not support suitable habitat for this species.

Scientific Name	Common Name	Status		Habitat	Potential to Occur
		Federal/State	*MSHCP*		
Coturnicops noveboracensis	yellow rail	BCC/SSC	None	Nesting requires wet marsh/sedge meadows or coastal marshes with wet soil and shallow, standing water	Not expected to occur. The project site does not support suitable habitat for this species.
Elanus leucurus (nesting)	white-tailed kite	None/FP	Covered	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	Not expected to occur. The project site does not support suitable habitat for this species.
Empidonax traillii extimus (nesting)	southwestern willow flycatcher	FE/SE	Covered	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	Not expected to occur. The project site does not support suitable habitat for this species.
Haliaeetus leucocephalus (nesting and wintering)	bald eagle	FDL, BCC/SE, FP	Covered	Nests in forested areas adjacent to large bodies of water, including seacoasts, rivers, swamps, large lakes; winters near large bodies of water in lowlands and mountains	Not expected to occur. The project site does not support suitable habitat for this species.
Icteria virens (nesting)	yellow-breasted chat	None/SSC	Covered	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	Not expected to occur. The project site does not support suitable habitat for this species.
Laterallus jamaicensis coturniculus	California black rail	BCC/ST, FP	None	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	Not expected to occur. The project site does not support suitable habitat for this species.
Polioptila californica californica	coastal California gnatcatcher	FT/SSC	Covered	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	Not expected to occur. The project site does not support suitable habitat for this species.

Scientific Name	Common Name	Status		Habitat	Potential to Occur
		Federal/State	*MSHCP*		
Setophaga petechia (nesting)	yellow warbler	BCC/SSC	Covered	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	Not expected to occur. The project site does not support suitable habitat for this species.
Vireo bellii pusillus (nesting)	least Bell's vireo	FE/SE	Covered	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	Not expected to occur. The project site does not support suitable habitat for this species.
Fishes					
Catostomus santaanae	Santa Ana sucker	FT/None	Covered	Small, shallow, cool, clear streams less than 7 meters (23 feet) in width and a few centimeters to more than a meter (1.5 inches to more than 3 feet) in depth; substrates are generally coarse gravel, rubble, and boulder	Not expected to occur. The project site does not support suitable habitat for this species.
Gila orcuttii	arroyo chub	None/SSC	Covered	Warm, fluctuating streams with slow-moving or backwater sections of warm to cool streams at depths >40 centimeters (16 inches); substrates of sand or mud	Not expected to occur. The project site does not support suitable habitat for this species.
Rhinichthys osculus ssp. *3*	Santa Ana speckled dace	None/SSC	None	Headwaters of the Santa Ana and San Gabriel Rivers; may be extirpated from the Los Angeles River system	Not expected to occur. The project site does not support suitable habitat for this species.
Mammals					
Antrozous pallidus	pallid bat	None/SSC	None	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in man-made structures and trees	Not expected to occur. The project site does not support suitable habitat for this species.
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	None/SSC	Covered	Coastal scrub, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent shrub, pinyon–juniper, and annual grassland	Not expected to occur. The project site does not support suitable habitat for this species.

Scientific Name	Common Name	Status		Habitat	Potential to Occur
		Federal/State	*MSHCP*		
Dipodomys merriami parvus	San Bernardino kangaroo rat	FE/SSC	Covered	Sparse scrub habitat, alluvial scrub/coastal scrub habitats on gravelly and sandy soils near river and stream terraces	Not expected to occur. The project site does not support suitable habitat for this species.
Dipodomys stephensi	Stephens' kangaroo rat	FE/ST	Covered	Annual and perennial grassland habitats, coastal scrub or sagebrush with sparse canopy cover, or in disturbed areas	Low potential to occur. The project site contains marginally suitable habitat for this species. There are 3 documented occurrences within 5.0 miles of the project site (CDFW 2018).
Eumops perotis californicus	western mastiff bat	None/SSC	None	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	Not expected to occur. The project site does not support suitable habitat for this species.
Lasiurus xanthinus	western yellow bat	None/SSC	None	Valley–foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms	Not expected to occur. The project site does not support suitable habitat for this species.
Lepus californicus bennettii	San Diego black-tailed jackrabbit	None/SSC	Covered	Arid habitats with open ground; grasslands, coastal scrub, agriculture, disturbed areas, and rangelands	Not expected to occur. The project site does not support suitable habitat for this species.
Neotoma lepida intermedia	San Diego desert woodrat	None/SSC	Covered	Coastal scrub, desert scrub, chaparral, cacti, rocky areas	Not expected to occur. The project site does not support suitable habitat for this species.
Nyctinomops femorosaccus	pocketed free-tailed bat	None/SSC	None	Pinyon–juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oases; roosts in high cliffs or rock outcrops with drop-offs, caverns, and buildings	Not expected to occur. The project site does not support suitable habitat for this species.
Nyctinomops macrotis	big free-tailed bat	None/SSC	None	Rocky areas; roosts in caves, holes in trees, buildings, and crevices on cliffs and rocky outcrops; forages over water	Not expected to occur. The project site does not support suitable habitat for this species.

Scientific Name	Common Name	Status		Habitat	Potential to Occur
		Federal/State	*MSHCP*		
Perognathus longimembris brevinasus	Los Angeles pocket mouse	None/SSC	Covered	Lower-elevation grassland, alluvial sage scrub, and coastal scrub	Not expected to occur. The project site does not support suitable habitat for this species.
Invertebrates					
Branchinecta sandiegonensis	San Diego fairy shrimp	FE/None	None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. The project site does not support suitable habitat for this species.
Rhaphiomidas terminatus abdominalis	Delhi Sands flower-loving fly	FE/None	Covered	Delhi fine sandy soils and dunes, scrub and ruderal vegetation in the sand verbena series with <50% cover	Low potential to occur in the study area; not expected to occur in the project site. The project site and study area occurs within an area mapped as Delhi Series soils; however, the study area has marginally suitable habitat for this species, while the project site is landscaped with none of the native soil remaining.

Status Legend
Federal
BCC: USFWS—Birds of Conservation Concern
FD: Federally delisted; monitored for 5 years
FE: Federally listed as endangered
FT: Federally listed as threatened
State
FP: CDFW Fully Protected Species
SE: State listed as endangered
ST: State listed as threatened
SSC: California Species of Special Concern
WL: CDFW Watch List Species
MSHCP: Western Riverside County Multiple Species Conservation Plan

INTENTIONALLY LEFT BLANK

APPENDIX D

Cultural Resources Study

CULTURAL RESOURCES STUDY
for the
NORCO COLLEGE VETERANS CENTER, CITY OF NORCO, RIVERSIDE COUNTY, CALIFORNIA

Prepared for:

Mr. Bart Doering
Facilities Development Director
Riverside Community College District
3801 Market Street, 3rd Floor
Riverside, California 92501

Prepared by:

Jessica Colston, BA
Brad Comeau, MA, RPA

DUDEK
605 Third Street
Encinitas, California 92024

JANUARY 2019

Printed on 30% post-consumer recycled material.

TABLE OF CONTENTS

Section **Page No.**

MANAGEMENT SUMMARY ..... **III**

1 INTRODUCTION **1**
1.1 Project Location and Description 1
1.2 Regulatory Context 1
1.2.1 State 1
1.2.2 Local 8

2 PROJECT CONTEXT **9**
2.1 Cultural Context 9
2.1.1 Paleoindian (pre-5500 BC) 9
2.1.2 Archaic (8000 BC–AD 500) 10
2.1.3 Late Prehistoric (AD 500–1750) 11
2.1.4 Ethnohistoric (post-AD 1750) 11
2.1.5 The Historic Period (post-AD 1542) 14
2.1.6 City of Norco 15

3 ARCHIVAL RESEARCH **16**
3.1. EIC Records Search 17
3.1.1. Previously Recorded Cultural Resources 17
3.1.2 Previous Technical Studies 18
3.1.3 Historic-Period Map Review 20
3.2 Native American Coordination 20

4 CULTURAL RESOURCES SURVEY **21**
4.1 Field Survey 21
4.1.1 Survey Methods 21
4.1.2 Survey Results 21

5 SIGNIFICANCE EVALUATION **22**
5.1 CRHR Significance Evaluation 23

6 FINDINGS AND CONCLUSIONS **24**
6.1 Recommendations 25

7 REFERENCES **27**

TABLE OF CONTENTS (CONTINUED)

Page No.

APPENDICES (CONFIDENTIAL)

A EIC Records Search Results and DPR Forms
B NAHC Sacred Lands Search and Tribal Correspondence

FIGURES

1 Project Location Map. 6
2 Project APE Map. 7

TABLES

1 Resources on File at EIC Within One-Mile of Project Site 17
2 Previous Studies Within the EIC One-mile Record Search 18

MANAGEMENT SUMMARY

This report presents the results of a cultural resources study (including both archaeological and built-environment) conducted for the Norco College Veterans Resource Center (Project), located in the city of Norco. The Project is situated on a three acre parcel located on the campus of Norco Community College, south of Third Street and east of the existing Science, Technology, Engineering, and Mathematics (STEM) Center. The Norco Horse Trail runs parallel to Third Street and is adjacent to the northern border of the Project area.

This cultural resources inventory has been conducted in accordance with the California Environmental Quality Act (CEQA). The Riverside Community College District (District) is the lead agency for planning purposes under CEQA.

Dudek conducted a records search at the Eastern Information Center (EIC) for the Project area and a surrounding one-mile radius on August 10, 2018. EIC records search results indicated that no archaeological or built-environment resources are present within the Project area. The records also indicate that 16 cultural resources have been recorded within one mile of the Project area.

As part of the process of identifying cultural resources within or near the Project, Dudek contacted the Native American Heritage Commission (NAHC) to request a review of the Sacred Lands Filed (SLF). The SLF search results are negative (Appendix B).

Dudek conducted an intensive pedestrian cultural survey of the Project area on August 10, 2018. The area has been heavily landscaped and developed. Planters and rodent hole spoils were investigated for the possibility of subsurface deposits. No new cultural resources were observed on site.

Based on available information, and in consideration of the topography and lack of resources within the Project area, no further archaeological investigations are recommended. However, Worker Environmental Awareness (WEAP) Training is recommended for all construction personnel involved in the new ground disturbance. In case of inadvertent discovery, this will inform the ground personnel of what might be discovered as well as who to contact in that event.

INTENTIONALLY LEFT BLANK

1 INTRODUCTION

1.1 Project Location and Description

The Norco College Veterans Resource Center Project (Project) is located in Township 3 South, Range 7 West, Section 13,on the Corona North, California 7.5' minute quadrangle map (Figure 1). The Project is bounded by Third Street to the north, landscaped, but undeveloped land to the west, residential parcels to the south, and the Norco College STEM Center to the east (Figure 2).

The Riverside Community College District (RCCD or District) is proposing to construct a new Veterans Resource Center (Project) on its existing Norco College (College) campus. The proposed Project would provide a space for the College to offer student veterans expanded medical and mental health services, financial aid, academic counseling, tutoring, study spaces, and other support. The center would include offices, collaboration spaces, an outdoor lounging area, and associated landscaping and parking.

1.2 Regulatory Context

This section includes a discussion of the applicable state and local laws, ordinances, regulations, and standards governing cultural resources that must be adhered to before and during construction of the proposed project.

1.2.1 State

1.2.1.1 The California Register of Historical Resources

In California, the term "historical resource" includes but is not limited to "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California." (California Public Resource Code Section 5020.1(j)). In 1992, the California legislature established the California Register of Historical Resources (CRHR) "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change." (California Public Resource Code Section 5024.1(a)). The criteria for listing resources on the CRHR were expressly developed to be in accordance with previously established criteria developed for listing in the National Register of Historic Places (NRHP), enumerated below.

According to California Public Resource Code (PRC) Section 5024.1(c)(1–4), a resource is considered historically significant if it (1) retains "substantial integrity," and (2) meets at least one of the following criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. Is associated with the lives of persons important in our past.
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
4. Has yielded, or may be likely to yield, information important in prehistory or history.

In order to understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than fifty years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (see Cal. Code Regs., tit. 14, Section 4852(d)(2)).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

1.2.1.2 California Environmental Quality Act

As described further below, the following excerpts from CEQA and the CEQA Guidelines are of relevance to the analysis of archaeological, historic, and tribal cultural resources:

- PRC Section 21083.2(g) defines "unique archaeological resource."
- PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) defines "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource;" it also defines the circumstances when a project would materially impair the significance of an historical resource.
- PRC Section 21074(a) defines "tribal cultural resources."

- PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e): Set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
- PRC Sections 21083.2(b)-(c) and CEQA Guidelines Section 15126.4: Provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures; preservation-in-place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context, and may also help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource." (PRC Section 21084.1; CEQA Guidelines Section 15064.5(b)). If a site is either listed or eligible for listing in the CRHR, if it is included in a local register of historic resources, or it is identified as significant in a historical resources survey (meeting the requirements of PRC Section 5024.1(q)), it is a "historical resource" and is presumed to be historically or culturally significant for purposes of CEQA (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption. (PRC Section 21084.1; CEQA Guidelines Section 15064.5(a)).

A "substantial adverse change in the significance of an historical resource" reflecting a significant effect under CEQA means "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired." (CEQA Guidelines Section 15064.5(b)(1); PRC Section 5020.1(q)). In turn, the significance of an historical resource is materially impaired when a project:

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its

> eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA. (CEQA Guidelines Section 15064.5(b)(2))

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any "historical resources," then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance is materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (Section 21083.2(a), (b), and (c)).

Section 21083.2(g) defines a unique archaeological resource as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1. Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

Impacts to non-unique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2(a); CEQA Guidelines Section 15064.5(c)(4)). However, if a non-unique archaeological resource qualifies as tribal cultural resource (PRC 21074(c); 21083.2(h)), further consideration of significant impacts is required.

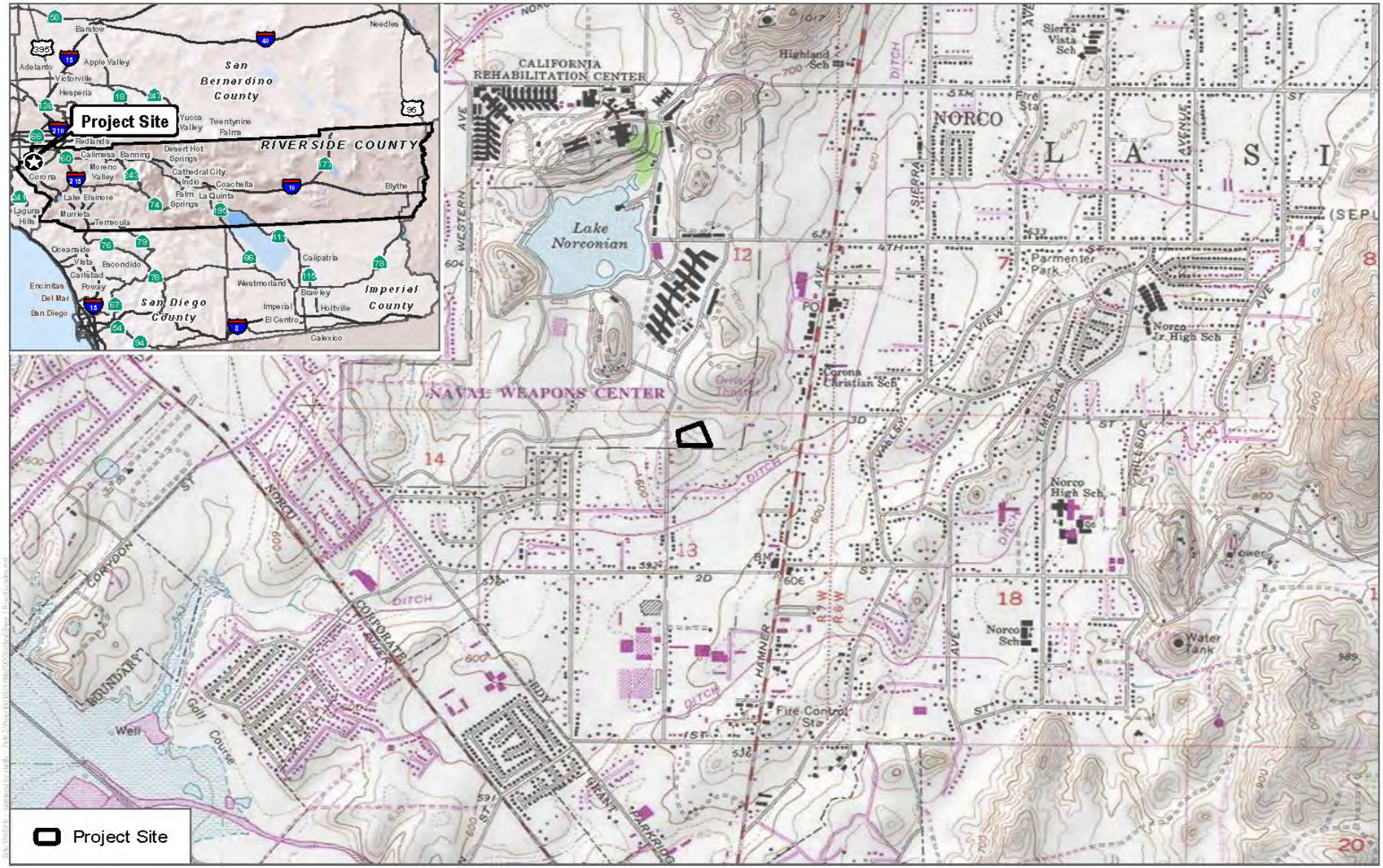
CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. As described below, these procedures are detailed in PRC Section 5097.98.

1.2.1.3 California Health and Safety Code

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or

nearby area reasonably suspected to contain human remains shall occur until the County coroner has examined the remains (Health and Safety Code Section 7050.5b). PRC Section 5097.98 also outlines the process to be followed in the event that remains are discovered. If the coroner determines or has reason to believe the remains are those of a Native American, the coroner must contact the California Native American Heritage Commission (NAHC) within 24 hours (Section 7050.5c). The NAHC will notify the Most Likely Descendant. With the permission of the landowner, the Most Likely Descendant may inspect the site of discovery. The inspection must be completed within 48 hours of notification of the Most Likely Descendant by the NAHC. The Most Likely Descendant may recommend means of treating or disposing of, with appropriate dignity, the human remains and items associated with Native Americans.

Cultural Resources Study for the Norco College Veterans Resource Center Project



SOURCE: USGS 7.5 Minute Series Corona North Quadrangle

DUDEK 0 1,000 2,000 Feet

FIGURE 1

Project Location

Norco College Resource Center Initial Study

SOURCE: ESRI 2019

DUDEK

FIGURE 2
Project APE
Norco College Resource Center Initial Study

1.2.2 Local

1.2.2.1 City of Norco

The City's General Plan Goal 2.7 describes archaeological and paleontological resources, regulatory framework, and policies and plans to protect such resources (City of Norco 2009). The planning goals and policies are described below.

The Historic Resources Element of the City's General Plan (adopted in 2009) addresses archaeological and historical cultural resources. Goal 4.3 in the Goals and Policies section states that the City will "preserve from development, to the extent possible, the City's Historical and archaeological resources" (City of Norco 2009). Nine policies are enumerated to assist in implementation of the goal. The Historic Elements also calls for an inventory of all historically significant sites and/or structures that require protection.

2 PROJECT CONTEXT

2.1 Cultural Context

Evidence for continuous human occupation in the Riverside regions spans the last 10,000 years. Various attempts to parse out variability in archaeological assemblages over this broad period have led to the development of several cultural chronologies; some of these are based on geologic time, most are based on temporal trends in archaeological assemblages, and others are interpretive reconstructions. Each of these reconstructions describes essentially similar trends in assemblage composition in more or less detail. This research employs a common set of generalized terms used to describe chronological trends in assemblage composition: Paleoindian (pre-5500 BC), Archaic (8000 BC–AD 500), Late Prehistoric (AD 500–1750), and Ethnohistoric (post-AD 1750).

2.1.1 Paleoindian (pre-5500 BC)

Evidence for Paleoindian occupation in the region is tenuous; our knowledge of associated cultural pattern(s) informed by a relatively sparse body of data that has been collected from within an area extending from coastal San Diego through the Mojave Desert and beyond. One of the earliest dated archaeological assemblages in this area (excluding the Channel Islands) derives from SDI-4669/W-12, in La Jolla, San Diego County. A human burial from SDI-4669 was radiocarbon dated to 9,590–9,920 years before present (95.4% probability) (Hector 2007). The burial is part of a larger site complex that contained more than 29 human burials associated with an assemblage that fits the Archaic profile (i.e., large amounts of ground stone, battered cobbles, and expedient flake tools). In contrast, typical Paleoindian assemblages include large stemmed projectile points, high proportions of formal lithic tools, bifacial lithic reduction strategies, and relatively small proportions of ground stone tools. Prime examples of this pattern are sites that were studied by Emma Lou Davis (1978) on China Lake Naval Air Weapons Station near Ridgecrest, California. These sites contained fluted and unfluted stemmed points and large numbers of formal flake tools (e.g., shaped scrapers, blades). Other typical Paleoindian sites include the Komodo site (MNO-679)—a multicomponent fluted point site, and MNO-680—a single component Great Basined Stemmed point site (Basgall et al. 2000). At MNO-679 and MNO-680, ground stone tools were rare while finely made projectile points were common.

A biface manufacturing tradition present at the Harris site complex (SDI-149) is representative of typical Paleoindian occupation in the southern California region that possibly dates between 10,365 and 8200 BC (Warren et al. 2004, p. 26). Termed San Dieguito (Rogers 1945), assemblages at the Harris site, located in the area now occupied by the City of Escondido, are qualitatively distinct from most others in the region because the site has large numbers of finely made bifaces (including projectile points), formal flake tools, a biface reduction trajectory, and relatively small amounts of processing tools (Warren 1964, 1968). Despite the unique assemblage composition,

the definition of San Dieguito as a separate cultural tradition is hotly debated. Gallegos (1987) suggested that the San Dieguito pattern is simply an inland manifestation of a broader economic pattern. Gallegos' interpretation of San Dieguito has been widely accepted in recent years, in part because of the difficulty in distinguishing San Dieguito components from other assemblage constituents. In other words, it is easier to ignore San Dieguito as a distinct socioeconomic pattern than it is to draw it out of mixed assemblages.

The large number of finished bifaces (i.e., projectile points and non-projectile blades), along with large numbers of formal flake tools at the Harris site complex, is very different than nearly all other assemblages throughout the region, regardless of age. Warren et al. (2004) made this point, tabulating basic assemblage constituents for key early-Holocene sites. Producing finely made bifaces and formal flake tools implies that relatively large amounts of time were spent for tool manufacture. Such a strategy contrasts with the expedient flake-based tools and cobble-core reduction strategy that typifies non-San Dieguito Archaic sites. It can be inferred from the uniquely high degree of San Dieguito assemblage formality that the Harris site complex represents a distinct economic strategy from non-San Dieguito assemblages.

If San Dieguito truly represents a distinct socioeconomic strategy from the non-San Dieguito Archaic processing regime, its rarity implies that it was not only short-lived, but that it was not as economically successful as the Archaic strategy. Such a conclusion would fit with the general trends in southern California deserts, wherein hunting-related tools are replaced by processing tools during the early Holocene (Basgall and Hall 1993).

2.1.2 Archaic (8000 BC–AD 500)

The Archaic pattern is relatively easy to define with assemblages that consist primarily of processing tools: millingstones, handstones, battered cobbles, heavy crude scrapers, incipient flake-based tools, and cobble-core reduction. These assemblages occur in all environments across the San Diego region, with little variability in tool composition. Low assemblage variability over time and space among Archaic sites has been equated with cultural conservatism (Byrd and Reddy 2002; Warren 1968; Warren et al. 2004). Despite enormous amounts of archaeological work at Archaic sites, little change in assemblage composition occurs until the bow and arrow is adopted at around AD 500, as well as ceramics at approximately the same time (Griset 1996; Hale 2009). Even then, assemblage formality remains low. After the bow is adopted, small arrow points appear in large quantities and already low amounts of formal flake tools are replaced by increasing amounts of expedient flake tools. Similarly, shaped millingstones and handstones decrease in proportion relative to expedient, unshaped groundstone tools (Hale 2009). Thus, the terminus of the Archaic period is equally as hard to define as its beginning because basic assemblage constituents and patterns of manufacturing investment remain stable, complimented only by the addition of the bow and ceramics.

2.1.3 Late Prehistoric (AD 500–1750)

The period of time following the Archaic and prior to Ethnohistoric times (AD 1750) is commonly referred to as the Late Prehistoric (M. Rogers 1945; Wallace 1955; Warren et al. 2004). However, several other subdivisions continue to be used to describe various shifts in assemblage composition, including the addition of ceramics and cremation practices. In southern Riverside County, the post-AD 1450 period is called the San Luis Rey Complex (True 1978), while the same period in southern San Diego County is called the Cuyamaca Complex and is thought to extend from AD 500 until Ethnohistoric times (Meighan 1959). Rogers (1929) also subdivided the last 1,000 years into the Yuman II and III cultures, based on the distribution of ceramics. Despite these regional complexes, each is defined by the addition of arrow points and ceramics, and the widespread use of bedrock mortars. Vagaries in the appearance of the bow and arrow and ceramics make the temporal resolution of the San Luis Rey and Cuyamaca complexes difficult. For this reason, the term Late Prehistoric is well-suited to describe the last 1,500 years of prehistory in the region.

Temporal trends in socioeconomic adaptations during the Late Prehistoric period are poorly understood. This is partly due to the fact that the fundamental Late Prehistoric assemblage is very similar to the Archaic pattern, but includes arrow points and large quantities of fine debitage from producing arrow points, ceramics, and cremations. The appearance of mortars and pestles is difficult to place in time because most mortars are on bedrock surfaces. Some argue that the Ethnohistoric intensive acorn economy extends as far back as AD 500 (Bean and Shipek 1978). However, there is no substantial evidence that reliance on acorns, and the accompanying use of mortars and pestles, occurred prior to AD 1400. True (1980) argued that acorn processing and ceramic use in the southern Riverside County region did not occur until the San Luis Rey pattern emerged after approximately AD 1450.

2.1.4 Ethnohistoric (post-AD 1750)

The history of the Native American communities prior to the mid-1700s has largely been reconstructed through later mission-period and early ethnographic accounts. The first records of the Native American inhabitants of the region come predominantly from European merchants, missionaries, military personnel, and explorers. These brief, and generally peripheral, accounts were prepared with the intent of furthering respective colonial and economic aims and were combined with observations of the landscape. They were not intended to be unbiased accounts regarding the cultural structures and community practices of the newly encountered cultural groups. The establishment of the missions in the region brought more extensive documentation of Native American communities, though these groups did not become the focus of formal and in-depth ethnographic study until the early twentieth century (Bean and Shipek 1978; Boscana 1846; Fages 1937; Geiger and Meighan 1976; Harrington 1934; Laylander 2000; Philip S. Sparkman

1908; White 1963). The principal intent of these researchers was to record the precontact, culturally specific practices, ideologies, and languages that had survived the destabilizing effects of missionization and colonialism. This research, often understood as "salvage ethnography," was driven by the understanding that traditional knowledge was being lost due to the impacts of modernization and cultural assimilation. Alfred Kroeber applied his "memory culture" approach (Lightfoot 2005, p. 32) by recording languages and oral histories within the region. Ethnographic research by Dubois, Kroeber, Harrington, Spier, and others during the early twentieth century seemed to indicate that traditional cultural practices and beliefs survived among local Native American communities.

It is important to note that even though there were many informants for these early ethnographies who were able to provide information from personal experiences about native life before Europeans arrived, a significantly large proportion of these informants were born after 1850 (Heizer and Nissen 1973); therefore, the documentation of pre-contact, aboriginal culture was being increasingly supplied by individuals born in California after considerable contact with Europeans. As Robert F. Heizer (1978) stated, this is an important issue to note when examining these ethnographies, since considerable culture change had undoubtedly occurred by 1850 among the Native American survivors of California.

Based on ethnographic information, it is believed that at least 88 different languages were spoken from Baja California Sur to the southern Oregon state border at the time of Spanish contact (Johnson and Lorenz 2006, p. 34). The distribution of recorded Native American languages has been dispersed as a geographic mosaic across California through six primary language families (Golla 2007, p. 71). As the Project area is in the Moreno Valley area, the Native American inhabitants of the region would have generally spoken Luiseno and Cahuilla varieties of Takic.

Victor Golla has contended that one can interpret the amount of variability within specific language groups as being associated with the relative "time depth" of the speaking populations (Golla 2007, p. 80). A large amount of variation within the language of a group represents a greater time depth than a group's language with less internal diversity. One method he employs draws comparisons with historically documented changes in Germanic and Romantic language groups. Golla observes that the "absolute chronology of the internal diversification within a language family" can be correlated with archaeological dates (Golla 2007, p. 71). This type of interpretation is modeled on concepts of genetic drift and gene flows that are associated with migration and population isolation in the biological sciences.

The tribes of this area have traditionally spoken Takic languages that may be assigned to the larger Uto–Aztecan family (Golla 2007, p. 74). These groups include the Luiseño, Cupeño, and Cahuilla. Golla has interpreted the amount of internal diversity within these language-speaking communities

to reflect a time depth of approximately 2,000 years. Other researchers have contended that Takic may have diverged from Uto–Aztecan ca. 2600 BC–AD 1, which was later followed by the diversification within the Takic speaking tribes, occurring approximately 1500 BC–AD 1000 (Laylander 2010). The Luiseño are linguistically and culturally related to the Gabrielino, Cupeño, and Cahuilla, and represent the descendants of local Late Prehistoric populations. They are generally considered to have migrated into the area from the Mojave Desert, possibly displacing the prehistoric ancestors of the Yuman-speaking Kumeyaay (Ipai-Tipai) that lived to the south during Ethnohistoric times. The Luiseño shared boundaries with the Gabrielino and Serrano to the west and northwest, the Cahuilla to the east, the Cupeño to the southeast, and the Kumeyaay to the south (Bean and Shipek 1978; Kroeber 1925). Southern Native American tribal groups of the San Diego and southern Imperial region have traditionally spoken Yuman languages, a subgroup of the Hokan Phylum. The Kumeyaay tribal communities share a common language group with the Cocopa, Quechan, Maricopa, Mojave, and others to east, and the Kiliwa to the south.

The Uto–Aztecan inhabitants of the region were called Luiseños by Franciscan friars, who named the San Luis Rey River and established the San Luis Rey Mission in the heart of Luiseño territory. Luiseño population estimates at the time of Spanish contact range from 3,000–4,000 (Kroeber 1925) to upwards of 10,000 (White 1963). In either case, the arrival of the Spanish undoubtedly decimated Native peoples through disease and changed living conditions (Bean and Shipek 1978).

The tribes of the region were organized into patrilineal clans or bands centered on a chief, comprised of 25–30 people (Kroeber 1925), each of which had their own territorial land or range where food and other resources were collected at different locations throughout the year (Sparkman 1908). The title of chief was heritable along family lines. Inter-band conflict was most common over trespassing. Sparkman observed that "when questioned as to when or how the land was divided and sub-divided, the Indians say they cannot tell, that their fathers told them that it had always been thus" (Sparkman 1908). Place names were assigned to each territory, often reflecting common animals, plants, physical landmarks, or cosmological elements that were understood as being related to that location. Marriages were generally arranged by parents or guardians. Free and widowed women had the option to choose their partner. Polygamy occurred though was not common, often with a single man marrying a number of sisters and wives. Shamanism was a major component in tribal life. The physical body and its components were thought to be related to the power of an individual, and wastes such as fluids, hair, and nails were discarded with intent. Hair, once cut, was often carefully collected and buried to avoid being affected negatively or controlled by someone who wishes them harm. Some locations and natural resources were of cultural significance. Springs and other water-related features were thought to be related with spirits. These resources, often a component of origin stories, had power that came with a variety of risks and properties to those who became affected. Puberty ceremonies for both boys and girls were complex and rigorous. Mourning ceremonies were similar throughout the region, generally

involving cut of the hair, burning of the deceased's clothes a year after death, and redistribution of personal items to individuals outside of the immediate tribal group (Sparkman 1908; Kroeber 1925).

The staple food of the Luiseños during the ethnohistoric period was acorns (Sparkman 1908). Of the at least six oak species within this tribal group's traditional territory, the most desirable of these was the black oak (*Quercus kelloggii*) due to its ease of processing, protein content, and digestibility. Acorns were stored in granaries to be removed and used as needed. The acorns were generally processed into flour using a mortar and pestle. The meal was most commonly leached with hot water and the use of a rush basket; however, there are also accounts of placing meal into excavated sand and gravel pits to allow the water to drain naturally. The acorn was then prepared in a variety of ways, though often with the use of an earthen vessel (Sparkman 1908). Other edible and medicinal plants of common use included wild plums, choke cherries, Christmas berry, gooseberry, elderberry, willow, *Juncus*, buckwheat, lemonade berry, sugar bush, sage scrub, currents, wild grapes, prickly pear, watercress, wild oats and other plants. More arid plants such as *Yucca, Agave*, mesquite, chia, bird-claw fern, *Datura*, yerba santa, *Ephedra*, and cholla were also of common use by some Luiseño populations. A number of mammals were commonly eaten. Game animals included back-tailed deer, antelope, rabbits, hares, birds, ground squirrels, woodrats, bears, mountain lions, bobcats, coyotes, and others. In lesser numbers, reptiles and amphibians may have been consumed. Fish and marine resources provided some portion of many tribal communities, though most notably those nearest the coast. Shellfish would have been procured and transported inland from three primary environments, including the sandy open coast, bay and lagoon, and rocky open coast. The availability of these marine resources changed with the rising sea levels, siltation of lagoon and bay environments, changing climatic conditions, and intensity of use by humans and animals.

2.1.5 The Historic Period (post-AD 1542)

Francisco Ulloa, exploring the Pacific coast under orders from Hernán Cortes, is reported to have stopped at the San Luis Rey River in 1540, marking the first contact between Europeans and the Luiseño, although the accuracy of his exploration is disputed (Garrahy and Weber 1971). Juan Rodriguez Cabrillo, who is widely considered the first European to explore Alta California, sailed the coast through Luiseno territory in 1542, but is not reported to have landed. Epidemic diseases may also have been introduced into the region at an early date, either by direct contact with infrequent European visitors or through waves of diffusion emanating from native peoples further to the east or south (Preston 2002). It is possible, but as yet unproven, that the precipitous demographic decline of native peoples had already begun prior to the arrival of Gaspar de Portolá and Junípero Serra in 1769. No Spanish missions were ever established in the geographic area that is now known as Riverside County, though the San Gabriel and San Luis Rey missions claimed land throughout the area, mostly as grazing lands for cattle and sheep.

Mexico's separation from the Spanish empire in 1821 and the secularization of the California missions in the 1830s caused further disruptions to native populations. The 1833 Secularization Act passed by the Mexican Congress ordered half of all mission lands to be transferred to the Native peoples, and the other half to remain in trust and managed by an appointed administrator. These orders were never implemented due to several factors that conspired to prevent the Native peoples from regaining their patrimony. By 1835, the missions were secularized. Many former mission neophytes were absorbed into the work forces on the ranchos, while others drifted toward the urban centers at San Diego and Los Angeles or moved to the eastern portions of the county where they were able to join still largely autonomous native communities. United States conquest and annexation, together with the gold rush in Northern California, brought many additional outsiders into the region. Development during the following decades was fitful, undergoing cycles of boom and bust. With rising populations in the nineteenth century throughout the Southern California region, there were increased demands for important commodities, including agricultural goods.

California was officially ceded to the United States in 1848, which led to the continued appropriation of Native American Lands by ranchers, prospectors, and an increasing number of settlers. The United States Government did little to dissuade these trespasses. From 1850, with the passage of California's Indian Act, until legislative reforms in the late 1880s, state laws promoted conditions that amounted to indentured servitude for much of the Native American population in in the region (Carrico 2008:56). These laws supported overt discrimination and inequitable treatment

2.1.6 City of Norco

In 1846, the area of present day Norco was part of the Rancho La Sierra land grant from the Mexican Governor Pio Pico to Vicenta Sepulveda. The first Mexican Mayor of Los Angeles, Abel Stearns purchased the land for cattle ranching. It was later purchased by the San Jacinto Land Company for citrus groves, much like those in Corona, to the south. However, the climate proved too severe due to high winds and frost. Other animal-raising enterprises began to take greater hold, some of which are still active today (City of Norco 2009).

In 1921, the land was purchased by Rex Clark, in conjunction with the North Corona Land Company; they began with the first civil developments, such as the first general store, school, and the Norconian Resort. The resort was constructed on 700 acres and gained fame among Hollywood celebrities for its hot springs. It was subsequently sold to the Department of the Navy and an incarceration/rehabilitation center in the state prison system, but currently stands vacant. With the increased accessibility generated from the freeways in the 1950s and 1960s, the City of Norco was incorporated in 1964 to preserve the equestrian and agricultural culture in the community. Norco trademarked the moniker "Horsetown USA" on July 3, 2007 (City of Norco, 2009).

INTENTIONALLY LEFT BLANK

3 ARCHIVAL RESEARCH

3.1. EIC Records Search

Dudek conducted a California Historical Resources Information System (CHRIS) records search at the Eastern Information Center (EIC) on August 10, 2018 for the Project and a one-mile radius surrounding the Project. This search included their collection of mapped prehistoric, historical and built-environment resources, Department of Parks and Recreation (DPR) Site Records, technical reports, archival resources, and ethnographic references. Additional consulted sources included the NRHP, California Inventory of Historical Resources/CRHR and listed OHP Archaeological Determinations of Eligibility, California Points of Historical Interest, California Historical Landmarks, and Caltrans Bridge Survey information. Confidential Appendix A provides the confidential results of the records search and a bibliography of prior cultural resources studies.

3.1.1. Previously Recorded Cultural Resources

EIC records indicate that no previously recorded cultural resources are located within the Project area. The records also indicate that 24 cultural resources have been recorded within a one-mile radius of the project (Table 1). Of the 24 resources, four are prehistoric bedrock milling stations, one is prehistoric lithic scatter, one is a prehistoric isolate, 16 are historic residential buildings, one is a historic water conveyance system, and one is a historic hotel/club. Of particular note is the historic Norconian Club (P-33-009101) recorded originally by A. Urbas, in 1999. This site was accepted as eligible for the NRHP under Criterion A and C in February of 2000.

Table 1
Cultural Resources Within One-Mile of the Project Area

Primary Number	Trinomial	Age	Description
P-33-001229	CA-RIV-1229	Prehistoric	Milling Station
P-33-001230	CA-RIV-1230	Prehistoric	Lithic Scatter
P-33-002315	CA-RIV-2315	Prehistoric	Milling Station
P-33-002316	CA-RIV-2316	Prehistoric	Milling Station
P-33-002317	CA-RIV-2317	Prehistoric	Milling Station
P-33-009101	-	Historic	Lake Norconian Club
P-33-019896	CA-RIV-10121	Historic	Historic Residence
P-33-019897	CA-RIV-10122	Historic	Historic Residence
P-33-019898	-	Historic	Historic Residence
P-33-019900	-	Historic	Historic Residence
P-33-019901	-	Historic	Historic Residence
P-33-019902	-	Historic	Historic Residence
P-33-019903	-	Historic	Historic Residence

Table 1
Cultural Resources Within One-Mile of the Project Area

Primary Number	Trinomial	Age	Description
P-33-019904	-	Historic	Historic Residence
P-33-019906	-	Historic	Historic Residence
P-33-019908	-	Historic	Historic Residence
P-33-019909	-	Historic	Historic Residence
P-33-019910	-	Historic	Historic Residence
P-33-019911	-	Historic	Historic Residence
P-33-019912	-	Historic	Historic Residence
P-33-019913	-	Historic	Historic Residence
P-33-019937	-	Historic	Historic Residence
P-33-024100	-	Historic	Water Conveyance System
P-33-028176	-	Prehistoric	Isolate: Handstone

3.1.2 Previous Technical Studies

EIC records indicate that 19 previous cultural resources studies have been conducted within one-mile of the Project area (Table 2). One previous study addressed the current Project area. This report was prepared in 1987 by Christopher E. Drover, titled "*Environmental Impact Evaluation: An Archaeological Assessment of the Proposed Riverside Community College District Site and Dean Homes Residential Development, Norco, California*" (Drover 1987) and consisted of a cultural resources evaluation for the development of Norco College. The study did not identify any resources in the current Project area. All 19 previous studies are listed in Table 2 below.

Table 2
Previous Studies Within One-Mile of the Project

NADB ID#	Author	Date	Report Title
Reports within the Project Area			
RI-01108	Drover, C. E.	1987	Environmental Impact Evaluation: An Archaeological Assessment of the Proposed Riverside Community College District Site and Dean Homes Residential Development, Norco, California
Reports Outside the Project Area			
RI-01109	Feickert, H. H.	1980	Intensive Cultural Resources Survey on the Norco Naval Reservation, Riverside County, California
RI-01872	Drover, C. E.	1984	An Archaeological Assessment of Proposed Installation of Wastewater Treatment Facilities for Norco, California

Table 2
Previous Studies Within One-Mile of the Project

NADB ID#	Author	Date	Report Title
Reports Outside of the Project Area			
RI-01913	McCarthy, D. F.	1985	An Archaeological Assessment of a Portion of a Proposed Interceptor Sewer Pipeline Right-Of-Way in the Norco-Corona Area, Riverside County, California
RI-02886	Lerch, M. K.	1989	Cultural Resources Assessment of the I-15 Freeway Corridor Land Gateway Specific Plan, City of Norco, Riverside County, California
RI-04087	Wlodarski, R. J.	1998	A Phase I Archaeology Study: Norco Senior Housing Project (Phase II) (2 Acre Parcel Of Land), City of Norco, Riverside County, California
RI-04333	Urbas, A.	1999	Letter Report: Department of Corrections/California Rehabilitation Center, Norco, Riverside County, "Proposed Demolition Of 28 Temporary WWII Barracks." Determination of Eligibility and Effect
RI-04334	Urbas, A.	2000	Letter Report: Department of Corrections/California Rehabilitation Center, Norco, Riverside County, "Replacement of 28 Temporary WWI Barracks," Determination of Effect on The Norconian Club, Project #Csp930
RI-05409	Love, B., Tang, B. T., Hogan, M., and Dahdul, M.	2001	Historical/Archaeological Resources Survey Report, Arlington Desalter and Pipeline, Cities of Riverside, Corona, and Norco, Riverside County, California
RI-05663	Billat, L.	2005	Letter Report: Historic Commission for Nextel of California (Nextel) Wireless Telecommunications Service (WTS) Facility Project Trail/ CA-8871A, in Norco, Riverside County, California
RI-06083	Billat, L.	2004	Letter Report: Proposed Cellular Tower Project in Riverside County, California, Site Name/Number: CA-8871/Trail
RI-07155	Harper, C. D.	2003	Cultural Resource Assessment for Cingular Wireless Facility No. SB 260-02 in Norco, Riverside County, California
RI-07181	Pletka, N.	2003	Cultural Resource Assessment: AT&T Wireless Services, Facility NO. 24002C, Norco, Riverside County, California.
RI-07447	Bonner, H. W. and Aislin-Kay, M.	2007	Cultural Resource Records Search Results and Site Visit for Royal Street Communications, LLC Telecommunications Facility Candidate LA2311A (Storage Stop), 3475 Second Street, Norco, Riverside County, California
RI-07981	Chandler, E.N., Cotterman, C.D., and Howard, J.M.	2008	Cultural Resources Inventory of Proposed Pole Replacements in the City of Chino Hills, San Bernardino County and the Cities of Corona and Norco, Riverside County, California (DWO 6034-4800, AI 8-4850 and 8-4852)
RI-08766	Tibbet, C., Goodwin, R., and Thornton, J.	2011	Cultural Resources Assessment, Norco Ranch Commerce Park, City of Norco, Riverside County, California
RI-10262	Perez, D. C.	2017	Archaeological Sensitivity Assessment RV90XSA44B/ 9CAB012573-B Tara Lane & Town and Country Road Norco, CA 92860 Riverside County EBI Project No. 6117004639
RI-10272	Bauman, J.	2012	Archaeological Resources Survey Report: Cultural Resources Investigations for the Early Warning Giant Voice (GV) System, Naval Weapons Station Seal Beach, Detachment Norco, Riverside County, California

3.1.3 Historic-Period Map Review

Historic aerial photographs of the Project area were available for the years 1948, 1966, 1967, 1980, 1994, 2002, 2005, 2009, 2010, 2012, and 2014 (NETR 2018). Additional aerial photos from years 1931, 1938, and 1947 were also utilized (UCSB 2018). Historic topographic maps of the area do not reveal any pertinent information regarding past uses of the land. Based on the photographs, the Project area was utilized in a possible citrus grove by 1931 through at least 1938. However, by 1948 this area was fallow. Vegetation clearing and possible earthwork related to early construction of the College is visible in the 1994 aerial. The existing park was developed by 2010. Homes were built along the southern border of the site between 1967 and 1980.

3.2 Native American Coordination

As part of the process of identifying cultural resources within or near the Project, Dudek contacted the Native American Heritage Commission (NAHC) to request a review of the Sacred Lands File (SLF) on August 23, 2018 (see Confidential Appendix B). The NAHC responded on August 23, 2018 indicating there are no resources in the SLF in the vicinity of the Project.. The NAHC provided a contact list of Tribal individuals and/or organizations who may have knowledge of cultural resources in or near the Project. Upon written notice to proceed, Dudek will initiate correspondence with the individuals on the contact list to solicit information on any known Native American resources located within the Project area that are not listed on the SLF search.

The proposed project is also subject to compliance with Assembly Bill (AB) 52 that requires consideration of impacts to "tribal cultural resources" as part of the CEQA process. AB 52requires the District, as lead agency for the Project, to notify any groups (who have requested notification) of the proposed project who are traditionally or culturally affiliated with the geographic area of the project. Because AB 52 is a government-to-government process, all records of correspondence related to AB 52 notification and any subsequent consultation are on file with the District.

4 CULTURAL RESOURCES SURVEY

4.1 Field Survey

4.1.1 Survey Methods

Dudek Archaeologist Jessica Colston conducted the intensive-level pedestrian survey on August 10, 2018, using standard archaeological procedures and techniques. All field practices met the Secretary of Interior's standards and guidelines for a cultural resources inventory. The intensive-level survey methods consisted of a pedestrian survey conducted in parallel transects spaced no more than 10 meters apart over the entire Project area. Within each transect, the ground surface was examined for prehistoric artifacts (e.g., flaked stone tools, tool-making debris, stone milling tools, ceramics, fire-affected rock), soil discoloration that might indicate the presence of a cultural midden, soil depressions, features indicative of the current or former presence of structures or buildings (e.g., standing exterior walls, post holes, foundations), and historic artifacts (e.g., metal, glass, ceramics, building materials). Ground disturbances such as burrows, cut banks, and drainages were also visually inspected for exposed subsurface materials.

All fieldwork was documented using field notes, digital photography, a GPS receiver with sub-meter accuracy, iPad technology with close-scale field maps, and aerial photographs. Location-specific photographs were taken using an Apple third Generation iPad equipped with 8 MP resolution and georeferenced PDF maps of the Project area. Accuracy of this device ranged between 3 meters and 10 meters. All field notes, photographs, and records related to the current study are on file at Dudek's Encinitas, California office.

4.1.2 Survey Results

The majority of the Project area is comprised of open space that is routinely maintained as a park for the commemoration of Veterans. Although the entre parcel has been landscaped, visibility was generally excellent (>75%) as only limited ornamental vegetation and some grass is present. Exposed sediments are comprised of decomposing granite and sod. The southern portion appears to be a maintained dirt equestrian trail that runs strictly east/west along the property border. No cultural resources were identified during the survey.

INTENTIONALLY LEFT BLANK

5 SIGNIFICANCE EVALUATION

5.1 California Register of Historical Resources Significance Evaluation

CEQA Guidelines provide that a project that demolishes or alters those physical characteristics of a historical resource that convey its historical significance (i.e., its character-defining features) can be considered to materially impair the resource's significance. To best mitigate the effects of the proposed project on cultural resources, a reasonable, good faith effort must be applied to determining their archaeological character and eligibility for listing in the California Register of Historical Resources (PRC Section 5024.1; Title 14 CCR, Section 4852).

The cultural resources study did not identify any resources. The review of existing records, noted topographic suitability, and high visibility of the ground surface during pedestrian survey, indicate that there is a moderate potential for the inadvertent discovery of historical resources during initial project-related ground disturbance within the current Project area. The NAHC SLF search results are negative, though outreach results are pending. EIC records indicated that no archaeological or built-environment resources have been recorded within the Project Area of Potential Effect.

Based on existing records (records search and historic aerials), the Project area was briefly utilized as a citrus grove circa 1938. The Project area was fallow until about 2010. During the field survey of the Project area, it was apparent that the area has been substantially disturbed by landscaping and recreational use.

INTENTIONALLY LEFT BLANK

6 FINDINGS AND CONCLUSIONS

6.1 Recommendations

Based on available information, and in consideration of the topography and historical use of the site, Dudek recommends Worker Environmental Awareness (WEAP) Training for all construction personnel involved in the new ground disturbance.

In the event that archaeological resources are exposed during construction, work in the immediate vicinity of the find should be halted or directed to another location until a qualified archaeologist meeting the Secretary of the Interior's Professional Qualification Standards can evaluate the significance of the find. Construction activities may continue in other areas, but should be redirected to a safe distance from the find. If the new discovery is evaluated and found to be significant under CEQA and avoidance is not feasible, additional work such as data recovery may be warranted.

In the event of the discovery of human remains during ground disturbing activities, the State of California Health and Safety Code Section 7050.5 states that no further disturbance shall occur in areas which could contain human remains until the County coroner has made a determination of origin and disposition pursuant to PRC Section 5097.98. The County coroner must be notified of the find immediately. If the human remains are determined to be of Native American origin, the coroner will notify the NAHC within 24 hours. The NAHC will then determine and notify a Most Likely Descendant. The Most Likely Descendant shall complete the inspection of the site within 48 hours of notification and may recommend means of treating or disposing of, with appropriate dignity, the human remains and items associated with Native Americans.

No monitoring program is recommended.

INTENTIONALLY LEFT BLANK

7 REFERENCES

16 USC 470–470x-6. National Historic Preservation Act of 1966, as amended.

36 CFR 60. National Register of Historic Places.

36 CFR 800.1–800.16 and Appendix A. Protection of Historic Properties.

48 FR 44720–44726. "The Secretary of the Interior's Standards and Guidelines for Federal Agency Historic Preservation Programs Pursuant to the National Historic Preservation Act." April 24, 1998.

Barbour, M.G. ,and J. Major, eds. 1978. "Outline of History of California Vegetation." In *Terrestrial Vegetation of California*:139–194. New York, New York: Wiley and Sons.

Basgall, M.E., and M. Hall. 1990. "Adaptive Variation in the North-Central Mojave Desert." Paper presented at the 55th Annual Meeting of the Society for American Archaeology, Las Vegas, Nevada.

Basgall, M. E., L. Johnson, and M. Hale. 2002. "An Evaluation of Four Archaeological Sites in the Lead Mountain Training Area, Marine Corps Air Ground Combat Center, Twentynine Palms, California." Submitted to U.S. Army Corps of Engineers, Fort Worth, Texas.

Bean, L.J., and F.C. Shipek. 1978. "Luiseño." In *California*, Vol. 8, *Handbook of North American Indians*, edited by Robert F. Heizer, 550–563. Washington, D.C.: Smithsonian Institution.

Becker, M. 2009. "A Residue Analysis of Bedrock Milling Features at MCB Camp Pendleton and the Implications for Investigating Acorn Use." Unpublished paper presented at the 2009 Society for California Archaeology Annual Meeting, Fresno, California, March 15, 2009.

Bibb, L.E. 1991. "Pablo Apis and Temecula." *Journal of San Diego History* 37(4): 256–271.

BLM (Bureau of Land Management). 2004. "The Foundations for Managing Cultural Resources." Section 8100 in the *BLM Manual*. Release No. 8-72. December 3, 2004.

Blocker, John. 2011. San Diego's Lost Landscape: La Punta. In *Journal of the California & Garden Landscape History Society*. Fall, v14(4): 17-20.

Boscana, G. 1846. "Chinigchinich: A Historical Account of the Origin, Customs, and Traditions of the Indians at the Missionary Establishment of St. Juan Capistrano, Alta California." In *Life in California*, by Alfred Robinson, 227–341. New York, New York: Wiley & Putnam.

Byrd, B.F., and S.N. Reddy. 2002. "Late Holocene Adaptations along the Northern San Diego Coastline: New Perspectives on Old Paradigms." In *Cultural Complexity on the California Coast: Late Holocene Archaeological and Environmental Records*, edited by J.M. Erlandson and T.L. Jones, 41–62. Los Angeles, California: University of California–Los Angeles Press.

City of Norco. 2009. "City of Norco General Plan Land Use Element." Accessed September 16, 2018. http://www.norco.ca.us/civicax/filebank/blobdload.aspx?BlobID=25452.

CSP (California State Parks). 2009. "Preservation Matters." *The Newsletter of the California Office of Historic Preservation* 2(3):3–21.

Carrico, R. 1983. A Brief Glimpse of the Kumeyaay Past: An Interview With Tom Lucas, Kwaaymii, of Laguna Ranch. *The Journal of San Diego History* 29 (2).

Cook, J.R.. 1987 *Archaeological Investigations at the Big Country Project in McCain Valley, California.* Prepared for T.J. Bettes Company. Ms on file at the South Coast Information Center.

Davis, E.L. 1978. *The Ancient Californians: Rancholabrean Hunters of the Mojave Lakes Country*. Los Angeles, California: Natural History Museum of Los Angeles County.

Drover, Christopher E. 1987. *Environmental Impact Evaluation: An Archaeological Assessment of the Proposed Riverside Community College District Site and Dean Homes Residential Development, Norco, California*. Ms. On file at the Eastern Information Center, University of California, Riverside.

Eerkens, J.W. 2001. "The Origins of Pottery among Late Prehistoric Hunter-Gatherers in California and the Western Great Basin." Unpublished PhD dissertation; University of California, Santa Barbara.

Fages, P. 1937. *A Historical, Political, and Natural Description of California* (1775). Translated by Herbert Ingram Priestly. Berkeley, California: University of California Press.

Garrahy, S.T. and D.J. Weber. 1971. "Francisco de Ulloa, Joseph James Markey, and the Discovery of Upper California." California Historical Quarterly 50(1):73-77.

Gallegos, D.R. 1987. "San Dieguito-La Jolla: Chronology and Controversy." San Diego County Archaeological Society, Research Paper No. 1.

Gallegos, D., and C. Kyle. 1988. *Five Thousand Years of Maritime Subsistence at Ballast Point Prehistoric Site SDI-48 (W-164), San Diego, California*. San Diego, California: WESTEC Services.

Geiger, M., and C. W. Meighan. 1976. *As the Padres Saw Them: California Indian Life and Customs as Reported by the Franciscan Missionaries, 1813-1815*. Santa Barbara, California: Santa Barbara Mission Archive Library.

Golla, V. 2007. "Linguistic Prehistory." In *California Prehistory: Colonization, Culture, and Complexity,* edited by T.L. Jones and K.A. Klar, 71–82. New York, New York: Altamira Press.

Gonzalez, G.G., 1994. *Labor and Community: Mexican Citrus Worker Villages in a Southern California County, 1900-1950*. University of Illinois Press.

Gregory, C., and A. Gustafson. 2001. *Historic Resource Evaluation Report for Western Salt Company Salt Works, San Diego County, Chula Vista, California*. Prepared for Tierra Environmental Services and California Department of Transportation, District 11. Report on file at South Coastal Information Center, San Diego State University.

Griset, S. 1996. "Southern California Brown Ware." Unpublished PhD dissertation; University of California, Riverside.

Gross, T.G. 1993. "Settlement Pattern and Predictive Modeling of Site Locations." In *Historic Properties Background Study for the City of San Diego Clean Water Program*, Brian F. Mooney Associates, VIII-1–VIII-12. Prepared for Clean Water Program for Greater San Diego.

Hale, M. 2009. "San Diego and Santa Barbara: Socioeconomic Divergence in Southern California." PhD dissertation; University of California, Davis.

Harrington, J.P. 1934. "A New Original Version of Boscana's Historical Account of the San Juan Capistrano Indians of Southern California." *Smithsonian Miscellaneous Collections* 92(4).

Hayworth, A. 2012. *Biological Resources Existing Conditions Technical Report for the Otay River Estuary Restoration Project, South Bay Unit of the San Diego Bay National Wildlife Refuge, City of San Diego, California*. Report prepared for Poseidon Resources. On file at Dudek.

Hector, S.M. 1984. "Late Prehistoric Hunter-Gatherer Activities in Southern San Diego County." PhD dissertation; University of California, Los Angeles.

Hector, S.M. 2006. "Cultural Resources Study for the Maintenance of Old Mission Dam, Mission Trails Regional Park," San Diego, California. Prepared for the City of San Diego.

Heizer, R. 1978. "Introduction." In *California*, edited by R.F. Heizer, 1–6. *Handbook of North American Indians*, Vol. 8, edited by W.C. Sturtevant. Washington, D.C.: Smithsonian Institution.

Heizer, R. and K.M. Nissen. 1973. *The Human Sources of California Ethnography*. Berkeley, California: University of California Archaeological Research Facility, Berkeley.

Johnson, J.R., and J.G. Lorenz. 2006. "Genetics, Linguistics, and Prehistoric Migrations: An Analysis of California Indian Mitochondrial DNA Lineages." *Journal of California and Great Basin Anthropology* 26:33–64.

Kennedy, M.P. 1975. "Geology of the Western San Diego Metropolitan area, California. California Division of Mines and Geology Bulletin." 200-A:1-39.

Kroeber, A. 1925 *Handbook of the Indians of California.* Washington D.C.: Smithsonian Institution.

Laylander, D. 1985. "Some Linguistic Approaches to Southern California's Prehistory." *San Diego State University Cultural Resource Management Center Casual Papers* 2(1):14–58.

Laylander, D. 2000. *Early Ethnography of the Californias, 1533-1825*. Salinas, California: Coyote Press Archives of California Prehistory.

Laylander, D. 2010. "Linguistic Prehistory." Research Issues In San Diego Prehistory. Accessed August 31, 2012. http://www.sandiegoarchaeology.org/Laylander/Issues /index.htm

Love, Bruce, Bai "Tom" Tang, Michael Hogan 1998. *Cultural Resources Report: Tentative Tract 28884, City of Corona, Riverside County, California*. On File, Eastern Information Center, University of California, Riverside

Luomala, K. 1978. "Tipai and Ipai." In *California*, edited by Robert F. Heizer, 592-609. *Handbook of the North American Indians*, Vol. 8, William C. Sturtevant, general editor. Washington, D.C.: Smithsonian Institution.

March JPA. 2010. Draft Vision 2030: March JPA General Plan

McDonald, M. C. Serr, and J. Schaefer. 1993. "Phase II Archaeological Evaluation of CA-SDI-12,809: A Late Prehistoric Habitation Site in the Otay River Valley, San Diego County, California." Prepared for Caltrans, District 11. San Diego, California: Brian F. Mooney Associates

McHenry, Anita. 1997. "The History of Valley Center, California: The Homestead Years, 1860-1900." Unpublished Master's Thesis in History. Submitted to University of San Diego, San Diego, California.

Meighan, C.W. 1959. "California Cultures and the Concept of an Archaic Stage." *American Antiquity* 24:289–305.

Moses, H.V., 1995. "The Orange-Grower Is Not a Farmer": G. Harold Powell, Riverside Orchardists, and the Coming of Industrial Agriculture, 1893-1930. *California History*, *74*(1), pp.22-37.

NETR 2018. Property search for Norco College Veterans Park. Accessed October 2, 2018. https://www.historicaerials.com/viewer

NPS (National Park Service). 2009. *Archeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines* [As Amended and Annotated]. Electronic document, http://www.nps.gov/ history/local-law/arch_stnds_0.htm. Accessed March 19, 2009.

NPS and ACHP (National Park Service and the Advisory Council on Historic Preservation). 1998. *The Secretary of the Interior's Standards and Guidelines for Federal Agency Historic Preservation Programs Pursuant to the National Historic Preservation Act*. Published jointly by the National Park Service of the U.S. Department of the Interior and the Advisory Council on Historic Preservation.

Office of Historic Preservation. 1995. "Instructions for Recording Historical Resources." California State Parks, Office of Historic Preservation. March 1995. http://ohp.parks.ca.gov/ pages/1054/files/manual95.pdf.

Owen, R.C. 1965. "The Patrilineal Band: A Linguistically and Culturally Hybrid Social Unit." *American Anthropologist* 67:675–690.

Pigniolo, A.R. 2004. "Points, Patterns, and People: Distribution of the Desert Side-Notched Point in San Diego." *Proceedings of the Society for California Archaeology* 14:27–39.

Pigniolo, A.R. 2005. "Subsistence, Settlement, and Environmental Change at San Diego Bay." *Proceedings of the Society for California Archaeology* 18:255–259.

Pourade, R.F. 1960–1967. *The History of San Diego*. 6 vols. San Diego, California: Union-Tribune Publishing Company.

Preston, W.L. 2002. "Portents of Plague from California's Protohistoric Period." *Ethnohistory* 49:69–121.

Price, Harry J. and Jackson Underwood. 2007. Results of a Cultural Resources Survey for the River Park Equestrian Center, Del Mar, San Diego, California. On file at the South Coastal Information Center

Rogers, M.J. 1929. "The Stone Art of the San Dieguito Plateau." *American Anthropologist* 31:454–467.

Rogers, M.J. 1945. "An Outline of Yuman Pehistory." *Southwestern Journal of Anthropology* 1:167–198.

San Diego County Board of Supervisors. 2007. County of San Diego CEQA Guidelines. San Diego: San Diego County.

Schiffer, M.B. 1987. *Formation Processes of the Archaeological Record*. Albuquerque, New Mexico: University of New Mexico Press.

Shipek, F.C. 1982. "Kumeyaay Socio-Political Structure." *Journal of California and Great Basin Anthropology* 4:296–303.

Shipek, F.C. 1985. "Kuuchamaa: The Kumeyaay Sacred Mountain." *Journal of California and Great Basin Anthropology* 7(1):67–74.

Spier, L. 1923. "Southern Diegueño Customs." *University of California Publications in American Archaeology and Ethnology* 20:295–358.

Toulouse, J. H. 1971. *Bottle Makers and Their Marks*. New York, New York: Thomas Nelson Publishers.

True, D.L. 1958. "An Early Complex in San Diego County, California." *American Antiquity* 23(3): 255-263,

True, D.L. 1966. "Archaeological Differentiation of Shoshonean and Yuman Speaking Groups in Southern California." Unpublished PhD dissertation; University of California, Los Angeles.

True, D.L. 1980. "The Pauma Complex in Northern San Diego County: 1978." *Journal of New World Archaeology* 3(4):1–39.

True, D.L. and R. Pankey. 1985. "Radiocarbon Dates for the Pauma Complex Component at the Pankey Site." *Journal of California and Great Basin Archaeology* 7(2):240-244.

USDA (U.S. Department of Agriculture). 1973. *Soil Survey: San Diego Area, California*. USDA, Soil Conservation Service in Cooperation with University of California, Agricultural Experiment Station. December 1973. http://soildatamart.nrcs.usda.gov/Manuscripts/CA638/0/part1.pdf.

UCSB (University of California, Santa Barbara). 2018. Historic Aerial Image Frame Finder. http://mil.library.ucsb.edu/ap_indexes/FrameFinder/ Accessed Aug 29, 2018.

Wallace, W.J. 1955. "A Suggested Chronology for Southern California Coastal Archaeology." *Southwestern Journal of Anthropology* 11:214–230.

Warren, C.N. 1964. "Cultural Change and Continuity on the San Diego Coast." Unpublished PhD dissertation; University of California, Los Angeles.

Warren, C.N. 1968. "Cultural Tradition and Ecological Adaptation on the Southern California Coast." In *Archaic Prehistory in the Western United States*, edited by C. Irwin-Williams, 1–14. Portales, New Mexico: Eastern New Mexico University Contributions in Anthropology.

Warren, C.N., G. Siegler, and F. Dittmer. 2004. "Paleoindian and Early Archaic Periods." In *Prehistoric and Historic Archaeology of Metropolitan San Diego: A Historic Properties Background Study*. Prepared for the Metropolitan Wastewater Department, City of San Diego. Encinitas, California: ASM Affiliates.

Waters, M.R. 1992. *Principles of Geoarchaeology: A North American Perspective*. Tucson, Arizona: University of Arizona Press.

White, Raymond. 1963. "Luiseño Social Organization." *University of California Publications in American Archaeology and Ethnology* 48:91–194. Berkeley.

Wilken, M. 2012. "An Ethnobotany of Baja California's Kumeyaay Indians." Master's thesis; San Diego State University.

Yohe, R., and P. Chace. 1995. "The Archaeology of Las Montanas (CA-SDI-10246): A Paleo-economic Interpretation of a Millingstone Horizon Site, San Diego County, California." Coyote Press Archives of California Prehistory. 42. Edited by G. Breschini and T. Haversat.

INTENTIONALLY LEFT BLANK

APPENDIX A (CONFIDENTIAL)

EIC Records Search Results
and DPR 523 Forms

APPENDIX B (CONFIDENTIAL)

NAHC Sacred Lands Search
and Tribal Correspondence

APPENDIX E

Hazardous Materials Technical Study

Supplemental Site Investigation Report
for
Norco College Proposed Veteran Resource Center
Norco, California

Prepared for:

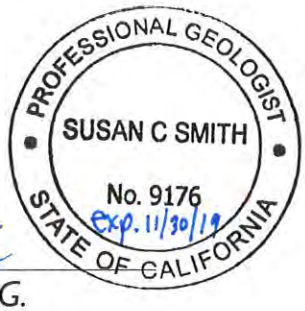
Riverside Community College District

450 E. Alessandro Boulevard
Riverside, California 92508

Prepared by:

DUDEK

605 Third Street
Encinitas, CA 92024
Encinitas, California 92024



Derek M. Reed, P.E.
Senior Engineer

Susan Smith, P.G.
Geologist

October 11, 2019

Table of Contents

1. INTRODUCTION 1

2. ENVIRONMENTAL SETTING 2

2.1. SITE TOPOGRAPHY 2
2.2. SITE GEOLOGY AND SOIL TYPE 2
2.3. SITE HYDROGEOLOGIC SETTING 2

3. INVESTIGATION 4

3.1. SOIL VAPOR SAMPLING 4
3.2. SOIL SAMPLING 6
3.2.1. Metals 6
3.2.2. PCBs 7
3.2.3. Dioxins and Furans 7
3.3. FIELD VARIANCES DOCUMENTATION 8

4. QUALITY CONTROL (QC) 8

4.1. FIELD QC SAMPLES 8
4.2. DATA QUALITY ASSESSMENT 9
4.2.1. Holding Times, Sample Preservation, and Receiving 9
4.2.2. Equipment Blanks 10
4.2.3. Surrogate Spikes 10
4.2.4. Matrix Spike/Matrix Duplicate Spikes 10
4.2.5. Method Blanks 11
4.2.6. Laboratory Control Samples 11
4.2.7. Duplicate Samples 11

5. CONCLUSIONS 12

6. REFERENCES 13

List of Figures

1 Project Location 14
2 Soil Vapor Sample Locations 15
3 Soil Sample Locations 16

List of Tables

1 Summary of Soil Vapor Analytical Results – VOCs
2 Summary of Soil Analytical Results – Metals
3 Summary of Soil Analytical Results – PCBs
4 Summary of Soil Analytical Results – Dioxins and Furans
5 Summary of Analytical Results – Equipment Blank

List of Appendices

A Laboratory Analytical Report – Soil Vapor
B Laboratory Analytical Report – Soil

1. Introduction

This Supplemental Site Investigation Report (report) had been prepared by Dudek on behalf of the Riverside Community College District (RCCD) for the property located within their Norco College property located at 2001 Third Street in Norco, California (Figure 1). A Veteran Resource Center is proposed to be constructed on the southeastern portion of the RCCD Norco College property (the site; Figure 2).

In 2016, the Department of Toxic Substances Control (DTSC) and the RCCD agreed upon a Land Use Covenant (LUC) for the property which presented restrictions for future property use without approval. The soil and soil vapor sampling was conducted in accordance with the August 6, 2019 revised Supplemental Site Investigation Work Plan (Dudek 2019) which was approved by the DTSC on August 21, 2019 (DTSC 2019). The soil and soil vapor sampling was conducted in order to obtain approval from DTSC for construction of the Veteran Resource Center at the site.

2. Environmental Setting

2.1. Site Topography

The Norco College property is located approximately 0.25 miles south of Lake Norconian and 2 miles east of the Santa Ana River. The Norco College property and the site generally slope toward the south-southwest. Elevations at the Norco College property range between approximately 725 feet above mean sea level (msl) in the northeast and 600 feet above msl in the south (Google 2019). Elevations at the proposed VeteranResource Center site range between approximately 634 feet above msl in the north and 635 feet above msl in the southwest (Google 2019).

2.2. Site Geology and Soil Type

The site is located within the Peninsular Ranges Geomorphic Province (CDC 2002). The site lies between two fault zones (Elsinore and San Jacinto fault zones) that create the Perris Block, a structural block of the Peninsular Ranges Batholith (USGS, 2002). The site reportedly consists of old alluvial fan sands underlain by granitic rocks of the Peninsular Ranges batholith (USGS 2002).

The soils encountered at the site during the September 2019 drilling activities were primarily sand, sandy silt, and silty sand; fine gravel was noted in the majority of the borings advanced at the site.

Based on the lithology logs of three borings advanced in 1990 north of the site, weathered bedrock and bedrock were encountered in each of the borings (Kleinfelder 1990). Boring MW-1 consisted of sand, silty sand, clayey silt, and silt to approximately 38 feet below ground surface (bgs). Weathered granodiorite was encountered between 38 feet bgs and 79 feet bgs; granodiorite was encountered from 79 feet bgs to 95 feet bgs, the bottom of the boring. Boring MW-2 consisted of sand, gravel, and silty sand to approximately 61.5 feet bgs. Weathered granodiorite was encountered between 61.5 feet bgs and 70 feet bgs; granodiorite was encountered from 70 feet bgs to 91 feet bgs, the bottom of the boring. Boring MW-3 consisted of sand to approximately 25 feet bgs. Weathered granodiorite was encountered between 25 feet bgs and 44 feet bgs; granodiorite was encountered from 44 feet bgs to 95 feet bgs, the bottom of the boring.

2.3. Site Hydrogeologic Setting

The site is located within the Temescal Subbasin of the Upper Santa Ana River Valley Groundwater Basin (DWR, 2006). The water-bearing formations within the Temescal Subbasin are primarily stream-deposited alluvium (DWR, 2006).

During drilling activities in 1990, groundwater was first encountered at 79 feet bgs in well MW-1, 76 feet bgs in well MW-2, and 82.5 feet bgs in well MW-3. Static water

levels in wells MW-1, MW-2, and MW-3 were reportedly 47, 52, and 49.5 feet bgs, respectively, as measured after well installation (Kleinfelder, 1990). In June 2012, the wells were re-developed and rehabilitated. Following well re-development, MW-1, MW-2, and MW-3 static water levels were measured at 44.02, 40.99, and 38.94 feet bgs in July 2012.

3. Investigation

In accordance with the approved Work Plan, Dudek conducted a subsurface soil and soil vapor investigation at the site. The investigation consisted of the collection of soil and soil vapor samples at various locations at the site. The subsurface investigation was conducted on September 10, 2018. The weather on September 10, 2018 was partly cloudy and mild. No rainfall occurred in the site vicinity in the several days leading up to the sampling event.

In addition to subsurface sampling, the investigation also included a geophysical survey conducted on September 3, 2019. The purpose of the geophysical survey was to identify underground utilities near sample locations, to allow for safe drilling. The geophysical survey was conducted by ULS. Dudek also arranged for utility clearance by local agencies through DigAlert. The twenty sample locations were cleared on September 3, 2019.

Soils from the borings were screened for health and safety purposes using a photoionization detector (PID) and a Ludlum 2241-2 Digital Ratemeter/Scaler. There were no radiation measurements at levels above the background levels and no organic vapor detections more than 0.1 parts per million above background.

Sampling equipment was appropriately decontaminated between boring locations using a three step rinse. Investigation-derived waste, including soils removed from the borings, was placed in a 55-gallon drum, labeled, and stored on the site awaiting proper off-site disposal. Upon the completion of the soil and soil vapor sampling, the probe tubing was removed from the borings and each boring was backfilled and sealed with hydrated granular bentonite.

The sample locations are presented on Figures 2 and 3. Twenty soil vapor samples were analyzed on-site by a mobile laboratory operated by Jones Environmental; three additional soil vapor samples were collected in Summa canisters and were analyzed by Jones Environmental at a stationary laboratory. The soil samples were transported to Eurofins-Calscience laboratory for compositing and analysis; the samples analyzed for dioxins and furans were shipped to Frontier Analytical Laboratory for analysis. The soil vapor data are summarized in Table 1 and presented in full in Appendix A. The soil data are summarized in Tables 2 and 3 presented in full in Appendix B.

3.1. Soil Vapor Sampling

To determine whether vapor intrusion issues may exist at the site, soil vapor samples were collected from sixteen locations throughout the site.

Soil vapor sampling was performed by advancing borings to a maximum depth of 13 to 15 feet bgs and installing soil vapor probes. The probe inlets were placed in the middle of an approximately one-foot long sand pack. Bentonite (dry then hydrated)

was placed above the sand pack to seal the probe inlet from the surface. The probes were allowed to equilibrate for a minimum of two hours prior to sample collection.

Soil vapor probes locations S2, S2, S5, and S6 (beneath the proposed building footprint) were dual-nested with inlets at 5 and 15 feet bgs. Soil vapor probe locations S1 and S4 (also beneath the proposed building footprint) were dual-nested with inlets at 5 and 13 feet bgs due to refusal. The remaining soil vapor probe locations (S7 through S16) were completed with inlets at 5 feet bgs.

Prior to purging and sampling the soil vapor probes, a shut-in test was conducted to check for leaks from the surface to the soil vapor probe. Additionally, a tracer gas (a mixture of n-pentane, n-hexane, and n-heptane) was applied to the tubing-surface interface during sampling to check for leaks. No n-pentane, n-hexane, or n-heptane was detected in any of the samples collected. The results of these two tests indicate intact samples were collected at each location without leaks from the surface.

An electric vacuum pump was used to purge and sample the probes. Three purge volumes were removed from each probe prior to sample collection. With the exception of three samples (S7-5', S8-5', and S14-5'), vapor samples were obtained in glass gas-tight syringes. Samples were analyzed within 30 minutes using an on-site mobile laboratory. New tubing was used at each sample location. Due to time constraints with the mobile laboratory, vapor samples S7-5', S8-5', and S14-5' were collected in individually clean-certified clean Summa canisters and were analyzed in a stationary laboratory.

The soil vapor samples were analyzed for VOCs by EPA Method 8260B. Laboratory reporting limits were 8 micrograms per cubic meter ($\mu g/m^3$) for the majority of the constituents.

A duplicate sample was collected and run to evaluate the precision of the sample analysis. Quality control is discussed in Section 4.2.6.

The probe depths and soil vapor sample results are presented in Table 1. The soil vapor sample results were compared to risk-based regulatory screening thresholds (the Department of Toxic Substances Control [DTSC] Human and Ecological Risk Office [HERO] screening levels, the Regional Water Quality Control Board [RWQCB] Environmental Screening Levels [ESLs], and the EPA Regional Screening Levels [RSLs]). The DTSC and EPA screening levels are for ambient air. Therefore, in order to compare the site soil vapor data to the screening levels, the screening levels were divided by the DTSC attenuation factor for a future commercial building of 0.0005 (DTSC 2011).

VOCs were detected in all of the soil vapor samples analyzed from the 16 locations throughout the site. However, as shown on Table 1, none of the detected VOCs exceeded the regulatory screening thresholds. Soil vapor sample locations are presented on Figure 2.

3.2. Soil Sampling

Soil samples were collected from each of the locations to determine whether there are impacts to the shallow soil at the site and to visually evaluate the soils for the presence of burn ash. Soil samples were collected from each of the soil vapor probe boreholes (S1 through S16) and the borrow area borings (BA1 through BA4). Each of the borings were continuously cored to 4 feet bgs (BA locations), 10 feet bgs (S7 through S16), 13 feet bgs (S1 and S4), and 15 feet bgs (S2, S3, S5, and S6). Soils were logged using the Visual-Manual Procedures in accordance with ASTM D2488. The soils encountered at the site were primarily sand, sandy silt, and silty sand; fine gravel was noted in the majority of the borings advanced at the site. A small piece of black rubber was observed at approximately 7 feet bgs at location S13; debris was not observed in any other borings advanced at the site. Burn ash was not observed in any of the borings advanced during the investigation.

Intact soil samples were collected in acetate liners. Upon collection, the acetate liners were capped, labeled, placed in a Ziploc bag, and placed in a cooler on ice. The samples were submitted to Eurofins-Calscience Laboratories for compositing; the samples to be analyzed for dioxins and furans were analyzed by Frontier Analytical Laboratory.

A total of ten soil samples (including one duplicate sample) were composited by the laboratory, Eurofins-Calscience. Soil samples collected at predetermined locations from the same depth were composited together. For example, soil samples from locations S3-2, S4-2, and S5-2 (all collected from 2 feet bgs) were composited into sample COMP1-2. The composite soil sample locations are presented on Figure 3 and are also indicated on Tables 2 through 4. The ten composite soil samples were analyzed for:

- Title 22 Metals by EMA Method 6010B/7471A;
- Polychlorinated biphenyls by EPA Method 8082; and
- Dioxins and Furans by EPA Method 8290.

3.2.1. Metals

The metals arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, and/or zinc were detected in the ten composite soil samples analyzed. The soil sample data were compared to the following human health based soil screening levels: DTSC HERO Note 3, RWQCB ESLs, and EPA RSLs. Concentrations of detected metals are summarized on Table 2.

Arsenic was detected in three of the ten samples (COMP2-0.5, COMP4-0.5, and COMP4-2) at concentrations ranging from 0.773 milligrams per kilogram (mg/kg) to 1.37 mg/kg. The soil screening level for arsenic, which has human health-based screening levels that are below the levels of arsenic typically found in clean soils, is the typical background concentration for Southern California of 12 mg/kg (DTSC 2009 *Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals*). The concentration of arsenic in three soil samples (COMP2-0.5, COMP4-0.5, and COMP4-2) ranged from 0.773 mg/kg to 1.37 mg/kg, slightly above the human health-based screening levels, but well below the typical background arsenic concentration of 12 mg/kg.

All metals concentrations were below the human health risk-based soil screening levels and/or accepted background concentrations. Concentrations of detected metals are summarized on Table 2.

3.2.2. PCBs

The ten composite soil samples were analyzed for PCBs. PCBs were not detected at or above the laboratory reporting limit of 0.05 milligrams per kilogram (mg/kg) in any of the samples analyzed. The laboratory reporting limit of 0.05 mg/kg is well below the DTSC HERO Note 3 screening levels, RWQCB ESLs, and EPA RSLs,which range from 0.49 mg/kg to 17 mg/kg. The laboratory analytical results are presented on Table 3 and the laboratory analytical report is presented in Appendix B.

3.2.3. Dioxins and Furans

The ten composite soil samples were analyzed for dioxins and furans. The toxic equivalency (TEQ) for each composite soil sample was calculated using the 2005 World Health Organization toxic equivalency factors (TEF). 2,3,7,8-TCDD was not detected at or above the laboratory reporting limits in any of the soil samples analyzed. The TEQs, which represent the conversion of dioxins and furans to the 2,3,7,8-TCDD equivalent, ranged from 0.0 picograms per gram (pg/g) to 0.461 pg/g. The reported TEQs are all well below the DTSC HERO Note 3 screening levels, RWQCB ESLs, and EPA RSLs of 18 pg/g and 22 pg/g, and 22 pg/g for 2,3,7,8-TCDD, respectively. The laboratory analytical results are summarized in Table 4 and the laboratory analytical report is included in Appendix B.

3.3. Field Variances Documentation

Prior to sampling, Jones Environmental informed Dudek that, due to scheduling problems, only twenty soil vapor samples would be analyzed on-site using their mobile lab. Dudek spoke with the DTSC on September 5, 2019 to discuss alternatives (sample collection in tedlar bags or Summa canisters). The DTSC approved of the use of Summa canisters for the soil vapor samples unable to be analyzed on-site.

During the field investigation, refusal was met at 13 feet bgs in two locations – S1 and S4. Two step-out attempts were made at each location and refusal was encountered at 13 feet bgs at each location. Since the step-out attempts were met with refusal, soil vapor probes were installed at 5 and 13 feet bgs at locations S1 and S4, instead of 5 and 15 feet bgs.

None of the variances noted during the investigation appear to have impacted the overall objectives of the investigation. The close spacing of the nested soil vapor probes beneath the proposed building footprint provide adequate coverage for the evaluation of vapor intrusion risk.

4. Quality Control (QC)

In accordance with the Work Plan, the following field QC samples were collected and analyzed:

- One duplicate soil vapor sample analyzed for the same parameters as the primary sample;
- One duplicate composite soil sample analyzed for the same parameters as the primary sample; and
- One equipment blank sample for the reusable equipment (drill rods).

Laboratory QC samples included method blanks, laboratory control spikes, MS/MSD analysis, and evaluation of surrogate recovery.

The QC evaluation of the analytical data, including results of laboratory and field QC samples, is summarized below.

4.1. Field QC Samples

Field QC samples were collected on September 10, 2019, as presented in the approved Work Plan.

Field Duplicate Samples

One field duplicate soil vapor sample was collected and analyzed after the primary sample was collected. One field duplicate soil sample was composited by the laboratory and analyzed. The results of the field duplicate samples were used to

evaluate the precision of the overall sampling and analytical system by comparing the relative percent difference (RPD) with an established RPD limit of 20%.

Field duplicates were submitted to the laboratory and analyzed for the same parameters as the primary samples. The results of the duplicate sample analyses are discussed in Section 4.2.6.

Equipment Blank Sample
One equipment blank sample was collected during the sampling event to determine the effectiveness of the equipment decontamination. The equipment blank sample was analyzed for metals, PCBs, and dioxins and furans. The equipment blank sample was after the drill rods were decontaminated using a deionized (DI) water rinse, a scrub with a phosphate-free soap, and a final rinse with DI water. Equipment blank samples were collected by pouring DI water over the drill rods and into the laboratory-supplied sample containers. The results of the equipment blank sample analyses are discussed in Section 4.2.2.

4.2. Data Quality Assessment

The September 10, 2019 investigation data was reviewed for the following areas to evaluate potential impact on data quality:

- Analytical Holding Times and Sample Preservation
- Field and Laboratory Blank Samples
- Laboratory Control Samples (LCS)
- Equipment Blank Sample
- Matrix Spike/Matrix Spike Duplicate Samples
- Field Duplicates
- Surrogate Compound Recovery

The analytical data obtained during the September 10, 2019 investigation are considered to be acceptable and usable for the intended purposes.

Below is a summary of the data quality assessment for the supplemental site investigation at the site.

4.2.1. Holding Times, Sample Preservation, and Receiving

The temperatures measured for all sample coolers ranged from 0 to 4.3 degrees Celsius. The samples were all received by the laboratory in good condition and properly preserved with the following exception: the samples composited for dioxins and furans analysis were submitted in clear glass jars instead of amber jars. The laboratory indicated that the clear sample containers would not impact the results but, in accordance with NELAP, the anomaly was noted. No inconsistencies were noted in sample labeling or the chain-of-custody. All the samples met the holding time requirements.

4.2.2. Equipment Blanks

One equipment blank sample was collected during the investigation. The equipment blank sample was analyzed for dissolved metals, PCBs, and dioxins and furans. The equipment blank sample did not contain metals, PCBs, and dioxins and furans at or above the laboratory reporting limits.

4.2.3. Surrogate Spikes

Surrogate spikes were analyzed for each of the soil vapor samples. In all of the soil vapor samples, the surrogates (4-bromofluorobenzene, dibromofluoromethane, and toluene-d8) were within their respective control limits. The percent of surrogate recoveries for each sample are tabulated in the laboratory analytical reports (Appendix A).

Surrogate spikes were analyzed for each of the soil samples and water sample analyzed for PCBs. In all of the samples analyzed for PCBs, the surrogates (DCB decachlorobiphenyl and tetrachloro-m-xylene) were within the laboratory control limits. The percent of surrogate recovery for the PCB analysis is presented in Appendix B.

A surrogate spike was analyzed for each of the soil samples and the water sample analyzed for dioxins and furans; the surrogate (37Cl-2,3,7,8-TCDD) was within the laboratory control limits. The percent of surrogate recovery for the dioxins and furans analysis is presented in Appendix B.

4.2.4. Matrix Spike/Matrix Duplicate Spikes

MS/MSD analyses were conducted by the laboratory as part of the QA/QC procedures for the investigation. Percent recoveries were examined for all analytes in EPA Method 6010/7471A (dissolved metals), EPA Method 8082 (PCBs), and EPA Method 8290 (dioxins and furans). The MS/MSD percent recoveries and relative percent differences (RPD) for all analytes were within control limits, with the following exceptions:

- The MS/MSD (water sample) for dissolved metals had low percent recoveries for antinomy, barium, molybdenum, and silver. However, the LCS/LCSD recoveries were within control limits, therefore the data are deemed acceptable.
- The MS/MSD (soil sample) had low percent recovery for antimony. The LCS recovery was within control limits, therefore the data are deemed acceptable.
- The absolute response for antimony, arsenic, molybdenum, and selenium in several soil samples was greater than the reporting limit. The laboratory manually reviewed the raw instrument data and determined that the concentrations be reported as non-detect.

4.2.5. Method Blanks

Laboratory method blank samples (MB) were analyzed as part of the laboratory QA process. No VOCs were detected at or above the laboratory reporting limits in the soil vapor MB samples. No metals or dissolved metals, PCBs, or dioxins and furans were detected in the soil or water (equipment blank) MB samples.

4.2.6. Laboratory Control Samples

Laboratory control samples were analyzed as part of the laboratory QA process for the soil samples and water sample (equipment blank). Percent recoveries were examined for EPA Method 6010/7471 (metals) and EPA Method 8082 (PCBs); all percent recoveries for the LCS were within QC limits. In addition, ongoing precision and recovery (OPR) samples were examined for EPA Method 8090 (dioxins and furans); all percent recoveries were within QC limits.

4.2.7. Duplicate Samples

The relative percent difference (RPD) of the original and duplicate soil vapor samples detected above the reporting limit ranged from 0% to 9.2%, which indicates acceptable precision.

The RPD for the original and duplicate soil sample ranged from 0.75% to 10.2% for metals and 4.2% for dioxins and furans (TEQ comparison). The RPDs for VOCs (soil vapor), metals, dioxins and furans were within the range of 0-20% for the duplicate samples.

5. Conclusions

Several VOCs were detected in the soil vapor samples collected at the site. However, the detected concentrations of VOCs in the soil vapor at the Site (between 5 and 15 feet bgs) were all less than regulatory screening levels. Additionally, the concentrations of metals detected in the soil samples were all well below their applicable regulatory screening levels. PCBs were not detected at or above the laboratory reporting limits in any of the samples. The concentrations of dioxins and furans detected in soil samples were also well below the applicable regulatory screening levels.

None of the variances noted during the investigation appear to have impacted the overall objectives of the investigation. The close spacing of the nested soil vapor probes beneath the proposed building footprint provide adequate coverage for the evaluation of vapor intrusion risk.

The results of the soil and soil vapor sampling conducted at the site satisfy the investigation requirements presented in the LUC. Dudek respectfully requests that the DTSC grant RCCD approval to move forward with the construction of the proposed Veteran Resource Center.

6. References

CDC 2002. California Geomorphic Provinces. California Department of Conservation, California Geological Survey, 2002.

Dudek 2019. Supplemental Site Investigation Work Plan, Norco College Proposed Veteran Resource Center. February 13, 2019 (revised August 6, 2019).

DWR 2006. Upper Santa Ana River Valley Groundwater Basin, Temescal Subbasin. California Department of Water Resources. Updated January 20, 2006.

DTSC 2011. Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance). October.

DTSC 2015. Advisory – Active Soil Gas Investigations. California Environmental Protection Agency, Department of Toxic Substances Control, Los Angeles Regional Water Quality Control Board, San Francisco Regional Water Quality Control Board. July.

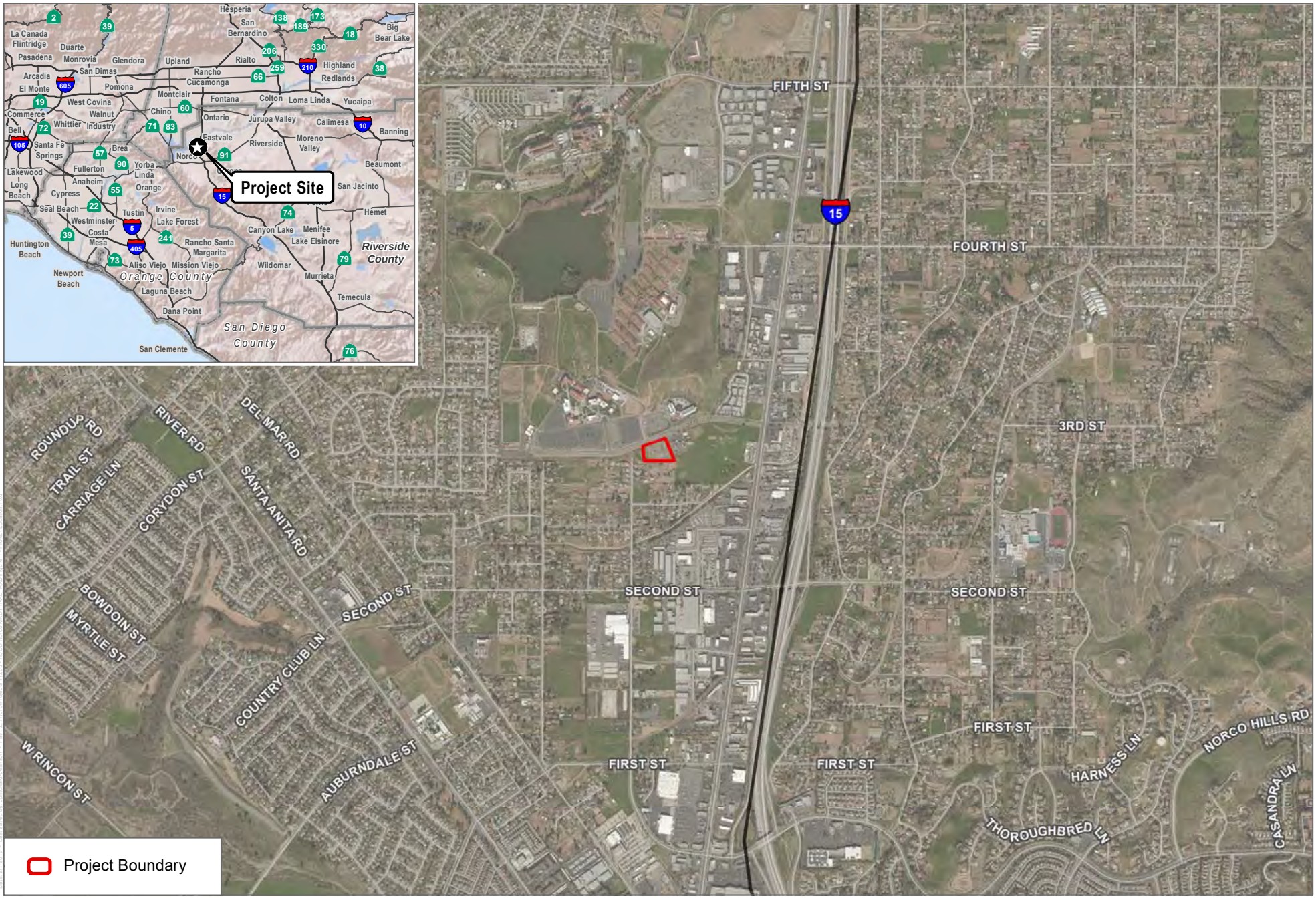
DTSC 2019. Approval of Supplemental Site Investigation Work Plan for Norco College Proposed Veteran Resource Center, Riverside Community College District, 2001 Third Street, Norco, California. August 21.

Google 2019. Google Earth website accessed in January 2019.

Kleinfelder 1990. Letter Report, Limited Near-Surface Soil Sampling and Groundwater Monitoring Well Installation, Norco Community College Campus, Norco, California. August 7, 1990.

USGS 2002. Geologic Map of the Corona North 7.5' Quadrangle, Riverside and San Bernardino Counties, California. United States Geological Survey 2002.

Figures



SOURCE: Bing Maps

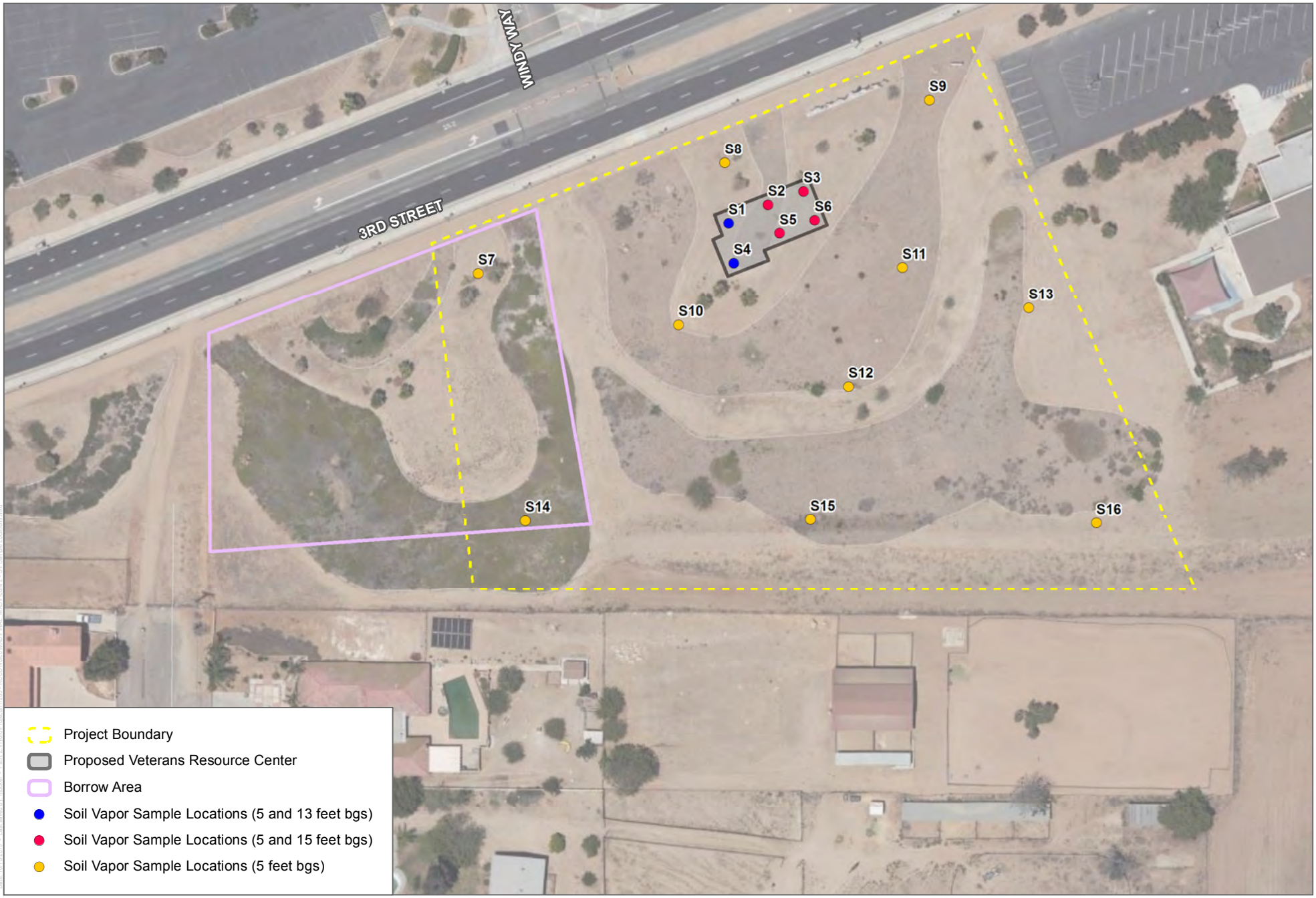
DUDEK

0 0.25 0.5 Miles

FIGURE 1

Project Location

Norco College Veterans Resource Center Supplemental Site Investigation



SOURCE: Bing Maps

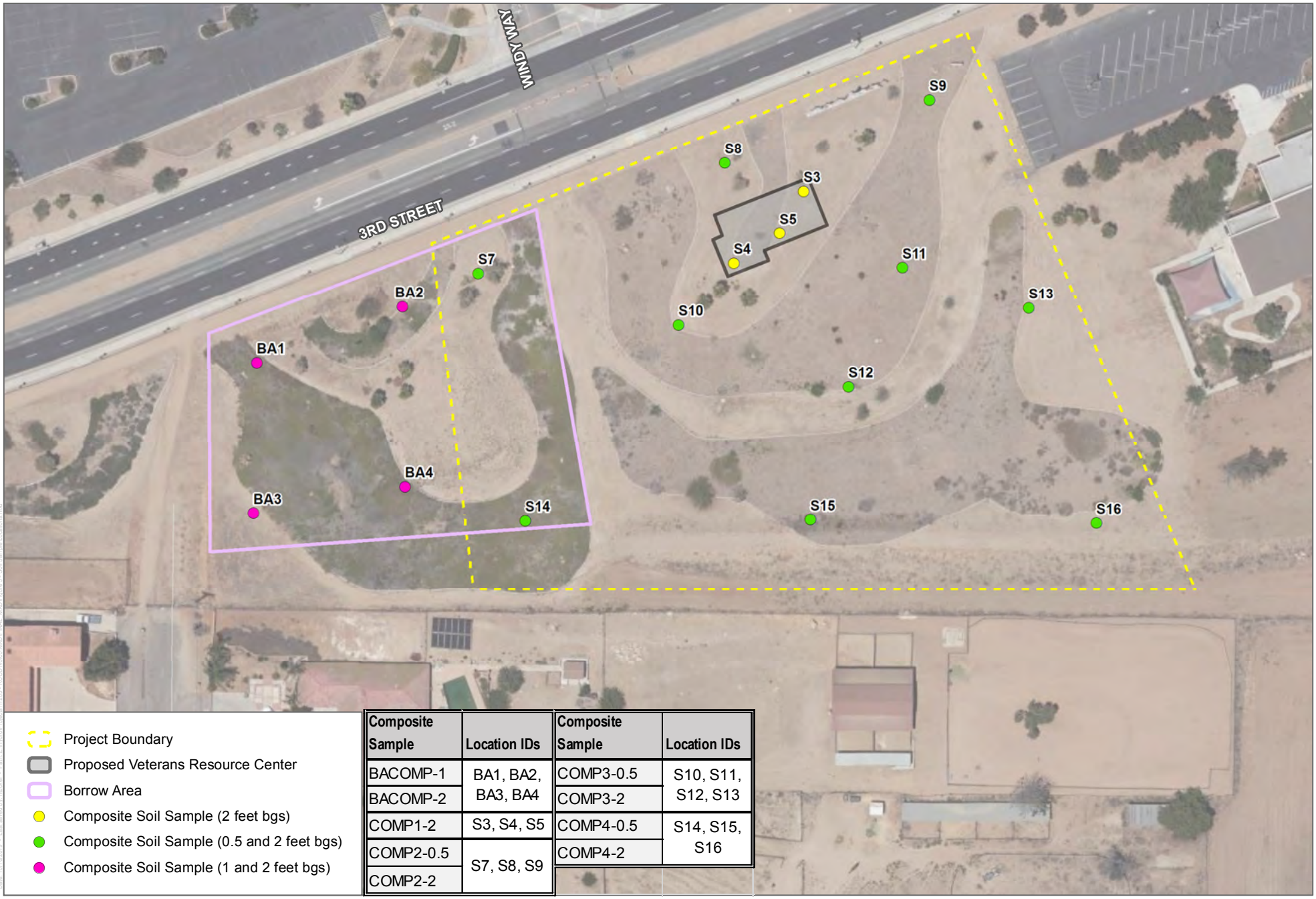
DUDEK

0 60 120 Feet

FIGURE 2

Soil Vapor Sample Locations

Norco College Veterans Resource Center Supplemental Site Investigation



Composite Sample	Location IDs
BACOMP-1	BA1, BA2, BA3, BA4
BACOMP-2	
COMP1-2	S3, S4, S5
COMP2-0.5	S7, S8, S9
COMP2-2	

Composite Sample	Location IDs
COMP3-0.5	S10, S11, S12, S13
COMP3-2	
COMP4-0.5	S14, S15, S16
COMP4-2	

SOURCE: Bing Maps

DUDEK

0 60 120 Feet

FIGURE 3

Soil Sample Locations

Norco College Veterans Resource Center Supplemental Site Investigation

Tables

Table 1 - Summary of Soil Vapor Analytical Results - VOCs
Proposed Veterans Resource Center
Norco, California

Sample Location	Sample ID	Sample Date	Depth (feet bgs)	VOCs by EPA Method 8260B (µg/m³)															
				Benzene	Bromoform	sec-Butylbenzene	Dibromochloromethane	Dibromomethane	Dichlorodifluoromethane	Ethylbenzene	4-Isopropyltoluene	Methylene Chloride	n-propylbenzene	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Trichlorofluoromethane	m,p-Xylene	o-Xylene
S1	S1-5'	9/10/2019	5	30	19	<12	10	<8	<8	14	<8	<20	<8	96	26	<8	<16	54	19
	S1-13'	9/10/2019	13	34	<8	<12	<8	<8	<8	<8	12	<20	<8	49	<8	<8	<16	<16	<8
S2	S2-5'	9/10/2019	5	25	10	<12	<8	<8	<8	18	<8	<20	<8	113	36	9	<16	70	25
	S2-15'	9/10/2019	15	28	<8	<12	<8	<8	<8	<8	83	<20	<8	52	<8	<8	<16	<16	<8
	S2-15' (REP)	9/10/2019	15	30	<8	<12	<8	<8	<8	<8	91	<20	<8	52	<8	<8	<16	<16	<8
S3	S3-5'	9/10/2019	5	17	8	<12	9	<8	<8	<8	<8	<20	<8	82	17	<8	<16	40	13
	S3-15'	9/10/2019	15	20	20	<12	<8	<8	<8	<8	<8	<20	<8	27	<8	<8	<16	<16	<8
S4	S4-5'	9/10/2019	5	15	22	<12	14	9	<8	<8	<8	<20	<8	43	14	<8	96	<16	<8
	S4-13'	9/10/2019	13	46	<8	<12	<8	<8	<8	11	<8	<20	<8	104	11	<8	140	31	10
S5	S5-5'	9/10/2019	5	37	<8	<12	<8	<8	<8	17	30	<20	15	123	46	<8	<16	57	19
	S5-15'	9/10/2019	15	64	<8	<12	<8	<8	<8	9	<8	<20	<8	104	13	<8	<16	15	<8
S6	S6-5'	9/10/2019	5	21	<8	<12	<8	<8	<8	10	30	<20	<8	86	37	<8	<16	41	15
	S6-15'	9/10/2019	15	60	<8	<12	<8	<8	<8	13	8	<20	<8	19	<8	<8	<16	31	10
S7	S7-5'	9/10/2019	5	<8	<8	<12	<8	<8	<8	<8	<8	<20	<8	27	<8	<8	<16	<16	<8
S8	S8-5'	9/10/2019	5	29	<8	16	<8	<8	<8	13	14	<20	<8	88	18	<8	<16	39	13
S9	S9-5'	9/10/2019	5	17	<8	<12	<8	<8	<8	9	8	<20	<8	75	26	<8	<16	39	13
S10	S10-5'	9/10/2019	5	16	9	<12	<8	<8	<8	<8	<8	<20	<8	39	<8	<8	54	<16	<8
S11	S11-5'	9/10/2019	5	<8	<8	<12	<8	<8	<8	<8	<8	<20	<8	38	16	<8	<16	31	10
S12	S12-5'	9/10/2019	5	12	<8	<12	<8	<8	15	<8	<8	<20	<8	58	9	<8	123	23	<8
S13	S13-5'	9/10/2019	5	<8	<8	<12	<8	<8	<8	<8	<8	<20	<8	46	<8	<8	<16	<16	<8
S14	S14-5'	9/10/2019	5	18	<8	<12	<8	<8	<8	<8	<8	21	<8	23	<8	<8	<16	<16	<8
S15	S15-5'	9/10/2019	5	39	<8	<12	<8	<8	<8	10	<8	<20	9	129	23	<8	<16	32	14
S16	S16-5'	9/10/2019	5	<8	<8	<12	<8	<8	<8	<8	<8	<20	<8	32	<8	<8	86	10	<8
DTSC HERO Note 3 - Commercial/Industrial Soil Gas Screening Level (attenuation factor of 0.0005 applied)[1]				840	22,000	3,600,000	--	--	--	--	--	24,000	--	2,600,000	--	--	5,300	--	--
RWQCB Environmental Screening Level for Industrial Air (attenuation factor of 0.0005 applied)[2]				840	22000	--	--	--	--	9800	--	24000	--	2,600,000*	--	--	--	880000	880000
EPA Regional Screening Levels for Industrial Air (attenuation factor of 0.0005 applied)[3]				3200	22000	--	--	--	880000	9800	--	2400000	8800000	44000000	520000	520000	--	880000	880000

Notes:

µg/m³ - micrograms per cubic meter
VOCs - volatile organic compounds
bgs - below ground surface
< Constituent was not detected above the laboratory method detection limit.
-- Screening Levels are not available for respective constituents
* indicates lower concentration or non-cancer hazard where cancer risk concentrations not available
[1]Human Health Risk Assessment Note 3, Table 3. DTSC-Recommended Screening Levels for Ambient Air (Industrial, Cancer Endpoint), April 2019
[2]Environmental Screening Level, San Francisco Bay RWQCB, Commercial/Industrial Indoor Air, Cancer Risk, January 2019 (Rev. 2)
[3]Regional Screening Level, EPA, Industrial Air, April 2019

Table 2 - Summary of Soil Analytical Results - Metals
RCCD Proposed Veterans Resource Center
Norco, California

Sample ID	Sample Location	Sample Date	Depth (feet bgs)	EPA 6020 / 7470A (milligrams per kilogram [mg/kg])											
				Arsenic (As)	Barium (Ba)	Beryllium (Be)	Cadmium (Cd	Chromium (Cr)	Cobalt (Co)	Copper (Cu)	Lead (Pb)	Nickel (Ni)	Selenium (Se)	Vanadium (V)	Zinc (Z)
COMP1-2	S3-2	9/10/2019	2	<0.728	40.0	<0.243	<0.485	4.32	2.90	15.7	11.3	2.86	0.760	15.3	27.8
	S4-2	9/10/2019	2												
	S5-2	9/10/2019	2												
COMP1-2 DUP	S3-2	9/10/2019	2	<0.769	39.7	<0.256	<0.513	4.76	2.99	14.8	10.2	3.05	<0.769	15.7	29.7
	S4-2	9/10/2019	2												
	S5-2	9/10/2019	2												
COMP2-0.5	S7-0.5	9/10/2019	0.5	0.958	60.0	0.433	<0.503	11.2	5.24	13.6	7.82	6.26	<0.754	27.7	43.1
	S8-0.5	9/10/2019	0.5												
	S9-0.5	9/10/2019	0.5												
COMP2-2	S7-2	9/10/2019	2	<0.750	70.4	0.376	0.624	6.59	5.34	26.2	7.8	3.52	<0.750	32.6	45.6
	S8-2	9/10/2019	2												
	S9-2	9/10/2019	2												
COMP3-0.5	S10-0.5	9/10/2019	0.5	<0.754	50.3	0.299	<0.503	5.91	3.69	9.99	8.89	3.68	<0.754	18.2	32.1
	S11-0.5	9/10/2019	0.5												
	S12-0.5	9/10/2019	0.5												
	S13-0.5	9/10/2019	0.5												
COMP3-2	S10-2	9/10/2019	2	<0.769 L	71.0	0.319	0.617	5.24	4.85	12.1	11.6	2.91	<0.769	26.7	37.8
	S11-2	9/10/2019	2												
	S12-2	9/10/2019	2												
	S13-2	9/10/2019	2												
COMP4-0.5	S14-0.5	9/10/2019	0.5	1.37	72.8	0.482	0.589	10.9	5.65	13.0	7.38	6.53	<0.732	30.0	7.38
	S15-0.5	9/10/2019	0.5												
	S16-0.5	9/10/2019	0.5												
COMP4-2	S14-2	9/10/2019	2	0.773	73.4	0.499	0.577	10.3	5.98	17.3	10.0	6.25	<0.750	31.2	45.6
	S15-2	9/10/2019	2												
	S16-2	9/10/2019	2												
BACOMP1-1	BA1-1	9/10/2019	1	<0.721	73.1	0.384	<0.481	14.9	5.97	10.1	8.70	7.45	<0.721 L	29.7	39.7
	BA2-1	9/10/2019	1												
	BA3-1	9/10/2019	1												
	BA4-1	9/10/2019	1												
BACOMP1-2	BA1-2	9/10/2019	2	<0.754	64.9	0.336	<0.503	11.4	5.28	8.31	7.48	5.68	<0.754	26.6	32.8
	BA2-2	9/10/2019	2												
	BA3-2	9/10/2019	2												
	BA4-2	9/10/2019	2												
DTSC HERO Note 3 - Commercial/Industrial Soil Screening Level [1]				0.36**	--	230*	780*	--	--	--	320*	11000*	--	--	--
RWQCB Environmental Screening Level for Industrial Soil [2]				0.31**	220000*	6900	4000	--	1900	47000*	380	64000	5800*	5800*	350000*
EPA Regional Screening Levels for Industrial Soil [3]				--	220000	2300	980	1800000 (Chromium III)	350	47000	800	--	5800	5800	350000
Kearney Foundation of Soil Science [4]				0.6-11	133-1400	0.25-2.70	0.5-1.70	23-1579	2.7-46.9	9.1-96.4	12.4-97.1	9-509	0.015-0.430	39-288	88-236

Notes:
* indicates lower concentration or non-cancer hazard where cancer risk concentrations not available
** soil screening level for arsenic is the range of typical background concentrations for California (up to 12 mg/kg)
mg/kg - milligrams per kilogram
L - negative instrument reading had an absolute value greater than the reporting limit
< Constituent was not detected above the laboratory method detection limit.
-- Screening Levels are not available for respective constituents
[1]Human Health Risk Assessment Note 3, Table 1. DTSC-Recommended Screening Levels for Soil (Industrial, Cancer Endpoint), April 2019
[2]Environmental Screening Level, San Francisco Bay RWQCB, Commercial/Industrial Shallow Soil Exposure, Cancer Risk, January 2019 (Rev. 2)
[3]Regional Screening Level, EPA, Industrial Soil Exposure, April 2019
[4]Kearney Foundation of Soil Science, 1996: Background Concentrations of Trace and Major Elements in California Soils

Table 3 - Summary of Soil Analytical Results - Polychlorinated Biphenyls
RCCD Proposed Veterans Resource Center
Norco, California

Sample ID	Sample Location	Sample Date	Depth (feet bgs)	EPA 8082 (milligrams per kilogram [mg/kg])								
				Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
COMP1-2	S3-2	9/10/2019	2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	S4-2	9/10/2019	2									
	S5-2	9/10/2019	2									
COMP1-2 DUP	S3-2	9/10/2019	2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	S4-2	9/10/2019	2									
	S5-2	9/10/2019	2									
COMP2-0.5	S7-0.5	9/10/2019	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	S8-0.5	9/10/2019	0.5									
	S9-0.5	9/10/2019	0.5									
COMP2-2	S7-2	9/10/2019	2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	S8-2	9/10/2019	2									
	S9-2	9/10/2019	2									
COMP3-0.5	S10-0.5	9/10/2019	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	S11-0.5	9/10/2019	0.5									
	S12-0.5	9/10/2019	0.5									
	S13-0.5	9/10/2019	0.5									
COMP3-2	S10-2	9/10/2019	2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	S11-2	9/10/2019	2									
	S12-2	9/10/2019	2									
	S13-2	9/10/2019	2									
COMP4-0.5	S14-0.5	9/10/2019	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	S15-0.5	9/10/2019	0.5									
	S16-0.5	9/10/2019	0.5									
COMP4-2	S14-2	9/10/2019	2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	S15-2	9/10/2019	2									
	S16-2	9/10/2019	2									
BACOMP1-1	BA1-1	9/10/2019	1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	BA2-1	9/10/2019	1									
	BA3-1	9/10/2019	1									
	BA4-1	9/10/2019	1									
BACOMP1-2	BA1-2	9/10/2019	2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	BA2-2	9/10/2019	2									
	BA3-2	9/10/2019	2									
	BA4-2	9/10/2019	2									
DTSC HERO Note 3 - Commercial/Industrial Soil Screening Level [1]				17	0.53	0.49	0.58	0.58	0.59	0.60	--	--
RWQCB Environmental Screening Level for Industrial Soil[2]				0.94								
EPA Regional Screening Levels for Industrial Soil[3]				27	0.83	0.72	0.95	0.95	0.97	0.99	--	--

Notes:

-- Screening Levels are not available for respective constituents

mg/kg - milligrams per kilogram

< Constituent was not detected above the laboratory method detection limit.

[1]Human Health Risk Assessment Note 3, Table 1. DTSC-Recommended Screening Levels for Soil (Industrial, Cancer Endpoint), April 2019

[2]Environmental Screening Level, San Francisco Bay RWQCB, Commercial/Industrial Shallow Soil Exposure, Cancer Risk, January 2019 (Rev. 2)

[3]Regional Screening Level, EPA, Industrial Soil Exposure, April 2019

Table 4 - Summary of Soil Analytical Results - Dioxins and Furans
RCCD Proposed Veterans Resource Center
Norco, California

Sample ID	Sample Location	Sample Date	Depth (feet bgs)	Dioxins and Furans by EPA Method 8290 (pg/g)																	
				2005 WHO TEQ	2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	OCDF
COMP1-2	S3-2	9/10/2019	2	0.442	<0.0846	<0.131	<0.161	0.259 J	0.222 J	3.09	20.8	0.208 J	0.202 J	0.484 J	0.452 J	0.433 J	0.566 J	0.160 J	2.14 J	0.202 J	2.19 J
	S4-2	9/10/2019	2																		
	S5-2	9/10/2019	2																		
COMP1-2 DUP	S3-2	9/10/2019	2	0.461	<0.0623	<0.110	<0.128	0.267 J	0.237 J	3.57	28.0	0.236 J	0.273 J	0.468 J	0.537 J	0.433 J	0.487 J	0.159 J	2.88	0.325 J	3.28 J
	S4-2	9/10/2019	2																		
	S5-2	9/10/2019	2																		
COMP2-0.5	S7-0.5	9/10/2019	0.5	0.0112	<0.0876	<0.161	<0.245	<0.265	<0.239	0.723 J	5.60	<0.0874	<0.147	<0.155	<0.159	<0.161	<0.175	<0.182	0.218 J	<0.185	0.496 J
	S8-0.5	9/10/2019	0.5																		
	S9-0.5	9/10/2019	0.5																		
COMP2-2	S7-2	9/10/2019	2	0.0	<0.0732	<0.137	<0.153	<0.159	<0.146	<0.215	<0.637	<0.0674	<0.109	<0.120	<0.123	<0.118	<0.124	<0.134	<0.116	<0.144	<0.256
	S8-2	9/10/2019	2																		
	S9-2	9/10/2019	2																		
COMP3-0.5	S10-0.5	9/10/2019	0.5	0.375	<0.0723	<0.120	<0.203	0.429 J	0.358 J	13.1	127	0.140 J	<0.167	<0.185	0.254 J	0.195 J	0.245 J	0.156 J	2.41 J	0.219 J	6.13
	S11-0.5	9/10/2019	0.5																		
	S12-0.5	9/10/2019	0.5																		
	S13-0.5	9/10/2019	0.5																		
COMP3-2	S10-2	9/10/2019	2	0.0654	<0.0787	<0.147	<0.140	<0.151	<0.136	0.811 J	6.26	<0.0822	<0.128	<0.155	0.167 J	0.136 J	0.183 J	<0.124	0.656 J	<0.164	0.739 J
	S11-2	9/10/2019	2																		
	S12-2	9/10/2019	2																		
	S13-2	9/10/2019	2																		
COMP4-0.5	S14-0.5	9/10/2019	0.5	0.272	<0.0722	<0.134	<0.203	0.362 J	0.208 J	10.6	123	<0.0907	<0.102	<0.117	0.151 J	0.140 J	0.173 J	<0.118	2.33 J	<0.175	8.41
	S15-0.5	9/10/2019	0.5																		
	S16-0.5	9/10/2019	0.5																		
COMP4-2	S14-2	9/10/2019	2	0.0146	<0.0777	<0.171	<0.308	<0.332	<0.300	0.915 J	8.42	<0.101	<0.119	<0.137	<0.142	<0.153	<0.162	<0.172	0.292 J	<0.156	<0.470
	S15-2	9/10/2019	2																		
	S16-2	9/10/2019	2																		
BACOMP1-1	BA1-1	9/10/2019	1	0.0596	<0.0670	<0.125	<0.117	<0.126	<0.114	3.41	37.2	<0.0764	<0.110	<0.121	<0.169	<0.166	<0.180	<0.180	1.35 J	<0.118	2.73 J
	BA2-1	9/10/2019	1																		
	BA3-1	9/10/2019	1																		
	BA4-1	9/10/2019	1																		
BACOMP1-2	BA1-2	9/10/2019	2	0.00262	<0.0578	<0.101	<0.150	<0.166	<0.148	0.223 J	1.29 J	<0.0576	<0.106	<0.114	<0.0924	<0.0949	<0.0983	<0.110	<0.105	<0.121	<0.243
	BA2-2	9/10/2019	2																		
	BA3-2	9/10/2019	2																		
	BA4-2	9/10/2019	2																		
DTSC HERO Note 3 - Commercial/Industrial Soil Screening Level[1]				18	--																
RWQCB Environmental Screening Level for Industrial Soil[2]				22	--																
EPA Regional Screening Levels for Industrial Soil[3]				22	--																

Notes:
pg/g - picograms per gram
< Constituent was not detected above the laboratory method detection limit.
J - estimated concentration - analyte concentration is below the calibration range
-- Screening Levels are not available for respective constituents
WHO TEQ - World Health Organization toxic equivalency
[1]Human Health Risk Assessment Note 3, Table 1. DTSC-Recommended Screening Levels for Soil (Industrial, Cancer Endpoint), April 2019
[2]Environmental Screening Level, San Francisco Bay RWQCB, Commercial/Industrial Shallow Soil Exposure, Cancer Risk, January 2019 (Rev. 2)
[3]Regional Screening Level, EPA, Industrial Soil Exposure, April 2019

Table 5 - Summary of Sample Results - Equipment Blank
RCCD Proposed Veterans Resource Center
Norco, California

Sample ID	Sample Date	Matrix	Metals by EPA Method 6010/7471	PCBs by EPA Method 8082	Dioxins and Furans by EPA Method 8290
EB-1	9/10/2019	Water	All ND	All ND	All ND

Notes:
ND - not detected at or above the laboratory reporting limits

Appendix A
Laboratory Analytical Report – Soil Vapor

JONES ENVIRONMENTAL, INC.

714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Dudek	**Report date:**	9/13/2019
Client Address:	605 3rd Street Encinitas, CA 92024	**Jones Ref. No.:**	E-1042
Attn:	Susie Smith	**Date Sampled:**	9/10/2019
		Date Received:	9/10/2019
Project:	1900 Third St	**Date Analyzed:**	9/10/2019
Project Address:	1900 Third St Norco, California 92860	**Physical State:**	Soil Gas

ANALYSES REQUESTED

1. EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

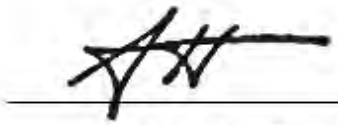
A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No tracer was detected in any of the samples reported herein.

The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWQCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 30 minutes of sampling.

Approval: 

Angela Haar, Ph. D.
Mobile Lab Manager

JONES ENVIRONMENTAL, INC.
714-449-9937
562-646-1611
805-399-0060
11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Dudek	**Report date:**	9/13/2019
Client Address:	605 3rd Street Encinitas, CA 92024	**Jones Ref. No.:**	E-1042
Attn:	Susie Smith	**Date Sampled:**	9/10/2019
		Date Received:	9/10/2019
Project:	1900 Third St	**Date Analyzed:**	9/10/2019
Project Address:	1900 Third St Norco, California 92860	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**S2-5'**	**S2-15'**	**S2-15' REP**	**S1-5'**	**S1-13'**		
Jones ID:	**E-1042-01**	**E-1042-02**	**E-1042-03**	**E-1042-04**	**E-1042-05**	**Reporting Limit**	**Units**
Analytes:							
Benzene	**25**	**28**	**30**	**30**	**34**	8	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8	µg/m3
Bromoform	**10**	ND	ND	**19**	ND	8	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8	µg/m3
Chloroform	ND	ND	ND	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	ND	**10**	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**S2-5'**	**S2-15'**	**S2-15' REP**	**S1-5'**	**S1-13'**		
Jones ID:	**E-1042-01**	**E-1042-02**	**E-1042-03**	**E-1042-04**	**E-1042-05**	**Reporting Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
Ethylbenzene	**18**	ND	ND	**14**	ND	8	µg/m3
Freon 113	ND	ND	ND	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	**83**	**91**	ND	**12**	8	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	20	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Styrene	ND	ND	ND	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	ND	ND	ND	8	µg/m3
Toluene	**113**	**52**	**52**	**96**	**49**	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	**36**	ND	ND	**26**	ND	8	µg/m3
1,3,5-Trimethylbenzene	**9**	ND	ND	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8	µg/m3
m,p-Xylene	**70**	ND	ND	**54**	ND	16	µg/m3
o-Xylene	**25**	ND	ND	**19**	ND	8	µg/m3
MTBE	ND	ND	ND	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m3
Tracer:							
n-Pentane	ND	ND	ND	ND	ND	80	µg/m3
n-Hexane	ND	ND	ND	ND	ND	80	µg/m3
n-Heptane	ND	ND	ND	ND	ND	80	µg/m3
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	117%	116%	115%	115%	117%	60 - 140	
Toluene-d_8	98%	99%	99%	99%	101%	60 - 140	
4-Bromofluorobenzene	105%	102%	105%	104%	104%	60 - 140	
Batch ID:	E2-091019-01	E2-091019-01	E2-091019-01	E2-091019-01	E2-091019-01		

ND = Value below reporting limit

JONES ENVIRONMENTAL, INC.
714-449-9937
562-646-1611
805-399-0060
11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Dudek	**Report date:**	9/13/2019
Client Address:	605 3rd Street Encinitas, CA 92024	**Jones Ref. No.:**	E-1042
Attn:	Susie Smith	**Date Sampled:**	9/10/2019
		Date Received:	9/10/2019
Project:	1900 Third St	**Date Analyzed:**	9/10/2019
Project Address:	1900 Third St Norco, California 92860	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**S4-5'**	**S4-13'**	**S5-5'**	**S5-15'**	**S6-5'**		
Jones ID:	**E-1042-06**	**E-1042-07**	**E-1042-08**	**E-1042-09**	**E-1042-10**	**Reporting Limit**	**Units**
Analytes:							
Benzene	**15**	**46**	**37**	**64**	**21**	8	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8	µg/m3
Bromoform	**22**	ND	ND	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8	µg/m3
Chloroform	ND	ND	ND	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
Dibromochloromethane	**14**	ND	ND	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8	µg/m3
Dibromomethane	**9**	ND	ND	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**S4-5'**	**S4-13'**	**S5-5'**	**S5-15'**	**S6-5'**		
Jones ID:	**E-1042-06**	**E-1042-07**	**E-1042-08**	**E-1042-09**	**E-1042-10**	**Reporting Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
Ethylbenzene	ND	**11**	**17**	**9**	**10**	8	µg/m3
Freon 113	ND	ND	ND	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	**30**	ND	**30**	8	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	20	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	**15**	ND	ND	8	µg/m3
Styrene	ND	ND	ND	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	ND	ND	ND	8	µg/m3
Toluene	**43**	**104**	**123**	**104**	**86**	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	8	µg/m3
Trichlorofluoromethane	**96**	**140**	ND	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	**14**	**11**	**46**	**13**	**37**	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8	µg/m3
m,p-Xylene	ND	**31**	**57**	**15**	**41**	16	µg/m3
o-Xylene	ND	**10**	**19**	ND	**15**	8	µg/m3
MTBE	ND	ND	ND	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m3
Tracer:							
n-Pentane	ND	ND	ND	ND	ND	80	µg/m3
n-Hexane	ND	ND	ND	ND	ND	80	µg/m3
n-Heptane	ND	ND	ND	ND	ND	80	µg/m3
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	117%	117%	118%	116%	117%	60 - 140	
Toluene-d_8	100%	100%	100%	100%	100%	60 - 140	
4-Bromofluorobenzene	103%	103%	105%	103%	104%	60 - 140	
Batch ID:	E2-091019-01	E2-091019-01	E2-091019-01	E2-091019-01	E2-091019-01		

ND = Value below reporting limit

JONES ENVIRONMENTAL, INC.

714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Dudek	**Report date:**	9/13/2019
Client Address:	605 3rd Street Encinitas, CA 92024	**Jones Ref. No.:**	E-1042
Attn:	Susie Smith	**Date Sampled:**	9/10/2019
		Date Received:	9/10/2019
Project:	1900 Third St	**Date Analyzed:**	9/10/2019
Project Address:	1900 Third St Norco, California 92860	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**S6-15'**	**S3-5'**	**S3-15'**	**S9-5'**	**S11-5'**		
Jones ID:	**E-1042-11**	**E-1042-12**	**E-1042-13**	**E-1042-14**	**E-1042-15**	**Reporting Limit**	**Units**
Analytes:							
Benzene	**60**	**17**	**20**	**17**	ND	8	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8	µg/m3
Bromoform	ND	**8**	ND	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8	µg/m3
Chloroform	ND	ND	ND	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
Dibromochloromethane	ND	**9**	ND	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**S6-15'**	**S3-5'**	**S3-15'**	**S9-5'**	**S11-5'**		
Jones ID:	**E-1042-11**	**E-1042-12**	**E-1042-13**	**E-1042-14**	**E-1042-15**	**Reporting Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
Ethylbenzene	**13**	ND	ND	**9**	ND	8	µg/m3
Freon 113	ND	ND	ND	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8	µg/m3
4-Isopropyltoluene	**8**	ND	ND	**8**	ND	8	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	20	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Styrene	ND	ND	ND	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	ND	ND	ND	8	µg/m3
Toluene	**108**	**82**	**27**	**75**	**38**	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	ND	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	**19**	**17**	ND	**26**	**16**	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8	µg/m3
m,p-Xylene	**31**	**40**	ND	**39**	**31**	16	µg/m3
o-Xylene	**10**	**13**	ND	**13**	**10**	8	µg/m3
MTBE	ND	ND	ND	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m3
Tracer:							
n-Pentane	ND	ND	ND	ND	ND	80	µg/m3
n-Hexane	ND	ND	ND	ND	ND	80	µg/m3
n-Heptane	ND	ND	ND	ND	ND	80	µg/m3
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	118%	118%	119%	119%	117%	60 - 140	
Toluene-d_8	102%	100%	100%	100%	100%	60 - 140	
4-Bromofluorobenzene	104%	103%	103%	104%	103%	60 - 140	
Batch ID:	E2-091019-01	E2-091019-01	E2-091019-01	E2-091019-01	E2-091019-01		

ND = Value below reporting limit

JONES ENVIRONMENTAL, INC.

714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Dudek	**Report date:**	9/13/2019
Client Address:	605 3rd Street Encinitas, CA 92024	**Jones Ref. No.:**	E-1042
Attn:	Susie Smith	**Date Sampled:**	9/10/2019
		Date Received:	9/10/2019
Project:	1900 Third St	**Date Analyzed:**	9/10/2019
Project Address:	1900 Third St Norco, California 92860	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**S16-5'**	**S13-5'**	**S12-5'**	**S15-5'**	**S10-5'**		
Jones ID:	**E-1042-16**	**E-1042-17**	**E-1042-18**	**E-1042-19**	**E-1042-20**	**Reporting Limit**	**Units**
Analytes:							
Benzene	ND	**9**	**12**	**39**	**16**	8	µg/m3
Bromobenzene	ND	ND	ND	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	ND	ND	ND	8	µg/m3
Bromoform	ND	ND	ND	ND	**9**	8	µg/m3
n-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	ND	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	ND	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	ND	ND	ND	8	µg/m3
Chloroform	ND	ND	ND	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	ND	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	8	µg/m3
Dibromomethane	ND	ND	ND	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	**15**	ND	ND	8	µg/m3
1,1-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	ND	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	ND	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	ND	ND	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**S16-5'**	**S13-5'**	**S12-5'**	**S15-5'**	**S10-5'**		
Jones ID:	**E-1042-16**	**E-1042-17**	**E-1042-18**	**E-1042-19**	**E-1042-20**	**Reporting Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	8	µg/m3
Ethylbenzene	ND	ND	ND	**10**	ND	8	µg/m3
Freon 113	ND	ND	ND	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	ND	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	ND	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	ND	ND	ND	8	µg/m3
Methylene chloride	ND	ND	ND	ND	ND	20	µg/m3
Naphthalene	ND	ND	ND	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	ND	**9**	ND	8	µg/m3
Styrene	ND	ND	ND	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	ND	ND	ND	8	µg/m3
Toluene	**32**	**46**	**58**	**129**	**39**	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	8	µg/m3
Trichloroethene	ND	ND	ND	ND	ND	8	µg/m3
Trichlorofluoromethane	**86**	**992**	**123**	ND	**54**	16	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	ND	**9**	**9**	**23**	ND	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	ND	ND	ND	8	µg/m3
m,p-Xylene	**10**	**17**	**23**	**32**	ND	16	µg/m3
o-Xylene	ND	ND	ND	**14**	ND	8	µg/m3
MTBE	ND	ND	ND	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	ND	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	ND	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	ND	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	ND	ND	ND	400	µg/m3
Tracer:							
n-Pentane	ND	ND	ND	ND	ND	80	µg/m3
n-Hexane	ND	ND	ND	ND	ND	80	µg/m3
n-Heptane	ND	ND	ND	ND	ND	80	µg/m3
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	117%	120%	119%	116%	118%	60 - 140	
Toluene-d_8	100%	99%	99%	100%	99%	60 - 140	
4-Bromofluorobenzene	103%	103%	105%	104%	106%	60 - 140	
Batch ID:	E2-091019-01	E2-091019-01	E2-091019-01	E2-091019-01	E2-091019-01		

ND = Value below reporting limit

JONES ENVIRONMENTAL, INC.

714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Dudek	**Report date:**	9/13/2019
Client Address:	605 3rd Street Encinitas, CA 92024	**Jones Ref. No.:**	E-1042
Attn:	Susie Smith	**Date Sampled:**	9/10/2019
		Date Received:	9/10/2019
Project:	1900 Third St	**Date Analyzed:**	9/10/2019
Project Address:	1900 Third St Norco, California 92860	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**METHOD BLANK**	**SAMPLING BLANK**		
Jones ID:	**091019-E2MB1**	**091019-E2SB1**	**Reporting Limit**	**Units**
Analytes:				
Benzene	ND	ND	8	µg/m3
Bromobenzene	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	8	µg/m3
Bromoform	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	8	µg/m3
Chloroform	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	8	µg/m3
Dibromomethane	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	8	µg/m3
1,1-Dichloroethane	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	10	µg/m3

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	SAMPLING BLANK		
Jones ID:	**091019-E2MB1**	**091019-E2SB1**	**Reporting Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	8	µg/m3
Ethylbenzene	ND	ND	8	µg/m3
Freon 113	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	8	µg/m3
Methylene chloride	ND	ND	20	µg/m3
Naphthalene	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	8	µg/m3
Styrene	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	8	µg/m3
Toluene	ND	ND	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	8	µg/m3
Trichloroethene	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	ND	ND	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	8	µg/m3
m,p-Xylene	ND	ND	16	µg/m3
o-Xylene	ND	ND	8	µg/m3
MTBE	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	400	µg/m3
Tracer:				
n-Pentane	ND	ND	80	µg/m3
n-Hexane	ND	ND	80	µg/m3
n-Heptane	ND	ND	80	µg/m3
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	117%	117%	60 - 140	
Toluene-d_8	100%	98%	60 - 140	
4-Bromofluorobenzene	104%	104%	60 - 140	
Batch ID:	E2-091019-01	E2-091019-01		

ND = Value below reporting limit

JONES ENVIRONMENTAL, INC.
714-449-9937
562-646-1611
805-399-0060
11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Dudek	**Report date:**	9/13/2019
Client Address:	605 3rd Street Encinitas, CA 92024	**Jones Ref. No.:**	E-1042
Attn:	Susie Smith	**Date Sampled:**	9/10/2019
		Date Received:	9/10/2019
Project:	1900 Third St	**Date Analyzed:**	9/10/2019
Project Address:	1900 Third St Norco, California 92860	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Batch ID: E2-091019-01

Jones ID:	**091019-E2LCS1**	**091019-E2LCSD1**			**091019-E2CCV1**	
Parameter	LCS Recovery (%)	LCSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	119%	139%	15.5%	60 - 140	81%	80 - 120
1,1-Dichloroethene	110%	118%	7.0%	60 - 140	88%	80 - 120
Cis-1,2-Dichloroethene	107%	112%	4.8%	70 - 130	94%	80 - 120
1,1,1-Trichloroethane	102%	107%	4.8%	70 - 130	95%	80 - 120
Benzene	103%	111%	7.1%	70 - 130	93%	80 - 120
Trichloroethene	100%	103%	2.5%	70 - 130	91%	80 - 120
Toluene	105%	112%	6.7%	70 - 130	95%	80 - 120
Tetrachloroethene	112%	118%	5.4%	70 - 130	103%	80 - 120
Chlorobenzene	109%	114%	4.3%	70 - 130	108%	80 - 120
Ethylbenzene	114%	119%	4.5%	70 - 130	108%	80 - 120
1,2,4 Trimethylbenzene	121%	123%	1.7%	70 - 130	116%	80 - 120
Surrogate Recovery:						
Dibromofluoromethane	114%	114%		60 - 140	115%	60 - 140
Toluene-d_8	96%	98%		60 - 140	97%	60 - 140
4-Bromofluorobenzene	106%	105%		60 - 140	103%	60 - 140

LCS = Laboratory Control Sample
LCSD = Laboratory Control Sample Duplicate
CCV = Continuing Calibration Verification
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%

JONES ENVIRONMENTAL, INC.
11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Soil-Gas Chain-of-Custody Record

Client: Dudek
Date: 9/10/2019
Project Name: 1900 Third St
Client Project #:
Project Address: 1900 Third St
Norco, California 92860
Email:
Phone:
Report To:
Sampler: Joel Almas

Purge Number: ☐ 1P ☑ 3P ☐ 7P ☐ 10P
Shut-In Test: (Y) / N

Report Options: EDD ____ EDF* - 10% Surcharge____ *Global ID _____

Turn Around Requested: ☐ Immediate Attention ☐ Rush 24 Hours ☐ Rush 48 Hours ☐ Rush 72 Hours ☐ Normal ☑ Mobile Lab

Tracer: ☑ n-pentane ☑ n-hexane ☑ n-heptane ☐ Isopropyl Alchohol ☐ 1,1-DFA ☐ _____

Reporting Limits: ☑ Standard ☐ Low Level* ☐ MDL* *surcharge for these limits

Units: µg/m3

LAB USE ONLY
Jones Project #: E-1042
Page 1 of 2
Sample Container: GASTIGHT GLASS SYRINGE
If different than above, see Notes.

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260B (VOCs)	Gasoline Range Organics			Magnehelic Vacuum (in/H_2O)	Number of Containers	Notes & Special Instructions
S2-5'	3	1630	9/10/19	11:19	11:19	E-1042-01	200	JOEL.1	118007	SG	X				<2	1	
S2-15'	3	1790	9/10/19	11:32	11:34	E-1042-02	200	SAMPLER.1	118011	SG	X				<2	1	
S2-15' REP	3	1790	9/10/19	11:50	11:53	E-1042-03	200	SAMPLER.1	118011	SG	X				<2	1	
S1-5'	3	1630	9/10/19	12:08	12:10	E-1042-04	200	JOEL.1	118007	SG	X				<2	1	
S1-13'	3	1,760	9/10/19	12:25	12:27	E-1042-05	200	SAMPLER.1	118011	SG	X				<2	1	
S4-5'	3	1630	9/10/19	12:42	12:44	E-1042-06	200	JOEL.1	118007	SG	X				<2	1	
S4-13'	3	1,760	9/10/19	13:00	13:03	E-1042-07	200	SAMPLER.1	118011	SG	X				<2	1	
S5-5'	3	1630	9/10/19	13:20	13:22	E-1042-08	200	JOEL.1	118007	SG	X				<2	1	
S5-15'	3	1790	9/10/19	13:35	13:37	E-1042-09	200	SAMPLER.1	118011	SG	X				<2	1	
S6-5'	3	1630	9/10/19	13:50	16:47	E-1042-10	200	JOEL.1	118007	SG	X				<2	1	

Representative Signature	Printed Name: DIVYA	Laboratory Signature	Printed Name: Joel Almas	10	Total Number of Containers
Company: Dudek	Date: 9/10/2019 Time:	Company: JONES ENVIRONMENTAL, INC.	Date: 9/10/2019 Time: 16:50		
Representative Signature	Printed Name	Laboratory Signature	Printed Name		
Company	Date Time	Company	Date Time		

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct and accurate.

JONES ENVIRONMENTAL, INC.
11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Soil-Gas Chain-of-Custody Record

Client: Dudek
Date: 9/10/2019
Project Name: 1900 Third St
Client Project #:
Project Address: 1900 Third St
Norco, California 92860
Email:
Phone:
Report To:
Sampler: Joel Almas

Purge Number: ☐ 1P ☑ 3P ☐ 7P ☐ 10P
Shut-In Test: (Y) / N

Report Options
EDD ____
EDF* - 10% Surcharge____
*Global ID _____

Turn Around Requested
- ☐ Immediate Attention
- ☐ Rush 24 Hours
- ☐ Rush 48 Hours
- ☐ Rush 72 Hours
- ☐ Normal
- ☑ Mobile Lab

Tracer
- ☑ n-pentane
- ☑ n-hexane
- ☑ n-heptane
- ☐ Isopropyl Alchohol
- ☐ 1,1-DFA
- ☐ _____

Reporting Limits
☑ Standard ☐ Low Level* ☐ MDL*
*surcharge for these limits

Units: µg/m³

LAB USE ONLY
Jones Project #: E-1042

Page 2 of 2

Sample Container: GASTIGHT GLASS SYRINGE
If different than above, see Notes.

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260B (VOCs)	Gasoline Range Organics			Magnehelic Vacuum (In/H_2O)	Number of Containers	Notes & Special Instructions
S6-15'	3	1790	9/10/19	14:09	14:11	E-1042-11	200	SAMPLER.1	118011	SG	X				<2	1	
S3-5'	3	1630	9/10/19	14:25	14:28	E-1042-12	200	JOEL.1	118007	SG	X				<2	1	
S3-15'	3	1790	9/10/19	14:41	14:46	E-1042-13	200	SAMPLER.1	118011	SG	X				<2	1	
S9-5'	3	1630	9/10/19	15:00	15:04	E-1042-14	200	JOEL.1	118007	SG	X				<2	1	
S11-5'	3	1630	9/10/19	15:18	15:21	E-1042-15	200	SAMPLER.1	118011	SG	X				<2	1	
S16-5'	3	1630	9/10/19	15:37	15:39	E-1042-16	200	JOEL.1	118007	SG	X				<2	1	
S13-5'	3	1630	9/10/19	15:55	15:58	E-1042-17	200	SAMPLER.1	118011	SG	X				<2	1	
S12-5'	3	1630	9/10/19	16:10	16:14	E-1042-18	200	JOEL.1	118007	SG	X				<2	1	
S15-5'	3	1630	9/10/19	16:25	16:33	E-1042-19	200	SAMPLER.1	118011	SG	X				<2	1	
S10-5'	3	1630	9/10/19	16:40	16:47	E-1042-20	200	JOEL.1	118007	SG	X				<2	1	

Representative Signature	Printed Name: DIVYA	Laboratory Signature	Printed Name: Joel Almas	10	Total Number of Containers
Company: Dudek	Date: 9/10/2019 Time: 0:00	Company: JONES ENVIRONMENTAL, INC.	Date: 9/10/2019 Time: 16:50		
Representative Signature	Printed Name	Laboratory Signature	Printed Name		
Company	Date Time	Company	Date Time		

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct and accurate.

JONES ENVIRONMENTAL, INC.

714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Dudek	**Report date:**	9/18/2019
Client Address:	605 3rd Street Encinitas, CA 92024	**Jones Ref. No.:**	ST-14307
Attn:	Susie Smith	**Date Sampled:**	9/10/2019
		Date Received:	9/10/2019
Project:	1900 Third St	**Date Analyzed:**	9/16/2019
Project Address:	1900 Third St Norco, CA 92860	**Physical State:**	Soil Gas

ANALYSES REQUESTED

1. EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in summa canisters.

A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No tracer was detected in any of the samples reported herein.

The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWQCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples.

Approval:

Angela Haar, Ph. D.
Mobile Lab Manager

JONES ENVIRONMENTAL, INC.
714-449-9937
562-646-1611
805-399-0060
11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Dudek	**Report date:**	9/18/2019
Client Address:	605 3rd Street Encinitas, CA 92024	**Jones Ref. No.:**	ST-14307
Attn:	Susie Smith	**Date Sampled:**	9/10/2019
		Date Received:	9/10/2019
Project:	1900 Third St	**Date Analyzed:**	9/16/2019
Project Address:	1900 Third St Norco, CA 92860	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**S8-5'**	**S7-5'**	**S14-5'**		
Jones ID:	**ST-14307-01**	**ST-14307-02**	**ST-14307-03**	**Reporting Limit**	**Units**
Analytes:					
Benzene	**29**	ND	**18**	8	µg/m3
Bromobenzene	ND	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	ND	8	µg/m3
Bromoform	ND	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	ND	12	µg/m3
sec-Butylbenzene	**16**	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	ND	8	µg/m3
Chloroform	ND	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	ND	8	µg/m3
Dibromomethane	ND	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	ND	8	µg/m3
1,1-Dichloroethane	ND	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	ND	10	µg/m3

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**S8-5'**	**S7-5'**	**S14-5'**		
Jones ID:	**ST-14307-01**	**ST-14307-02**	**ST-14307-03**	**Reporting Limit**	**Units**
Analytes:					
cis-1,3-Dichloropropene	ND	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	8	µg/m3
Ethylbenzene	**13**	ND	ND	8	µg/m3
Freon 113	ND	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	ND	8	µg/m3
4-Isopropyltoluene	**14**	ND	ND	8	µg/m3
Methylene chloride	ND	ND	**21**	8	µg/m3
Naphthalene	ND	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	ND	8	µg/m3
Styrene	ND	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	ND	8	µg/m3
Toluene	**88**	**27**	**23**	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	ND	8	µg/m3
Trichloroethene	ND	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	**18**	ND	ND	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	ND	8	µg/m3
m,p-Xylene	**39**	ND	ND	16	µg/m3
o-Xylene	**13**	ND	ND	8	µg/m3
MTBE	ND	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	ND	400	µg/m3
Tracer:					
n-Pentane	ND	ND	ND	80	µg/m3
n-Hexane	ND	ND	ND	80	µg/m3
n-Heptane	ND	ND	ND	80	µg/m3
Dilution Factor	1	1	1		
Surrogate Recoveries:				**QC Limits**	
Dibromofluoromethane	97%	98%	98%	60 - 140	
Toluene-d_8	100%	101%	101%	60 - 140	
4-Bromofluorobenzene	110%	106%	108%	60 - 140	
Batch ID:	VOCSG-091619-01	VOCSG-091619-01	VOCSG-091619-01		

ND = Value below reporting limit

JONES ENVIRONMENTAL, INC.

714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Dudek	**Report date:**	9/18/2019
Client Address:	605 3rd Street Encinitas, CA 92024	**Jones Ref. No.:**	ST-14307
Attn:	Susie Smith	**Date Sampled:**	9/10/2019
		Date Received:	9/10/2019
Project:	1900 Third St	**Date Analyzed:**	9/16/2019
Project Address:	1900 Third St Norco, CA 92860	**Physical State:**	Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	**METHOD BLANK**	**SAMPLING BLANK**		
Jones ID:	**091619-VSGMB1**	**091619-VSGSB1**	**Reporting Limit**	**Units**
Analytes:				
Benzene	ND	ND	8	µg/m3
Bromobenzene	ND	ND	8	µg/m3
Bromodichloromethane	ND	ND	8	µg/m3
Bromoform	ND	ND	8	µg/m3
n-Butylbenzene	ND	ND	12	µg/m3
sec-Butylbenzene	ND	ND	12	µg/m3
tert-Butylbenzene	ND	ND	12	µg/m3
Carbon tetrachloride	ND	ND	8	µg/m3
Chlorobenzene	ND	ND	8	µg/m3
Chloroform	ND	ND	8	µg/m3
2-Chlorotoluene	ND	ND	12	µg/m3
4-Chlorotoluene	ND	ND	12	µg/m3
Dibromochloromethane	ND	ND	8	µg/m3
1,2-Dibromo-3-chloropropane	ND	ND	8	µg/m3
1,2-Dibromoethane (EDB)	ND	ND	8	µg/m3
Dibromomethane	ND	ND	8	µg/m3
1,2- Dichlorobenzene	ND	ND	16	µg/m3
1,3-Dichlorobenzene	ND	ND	16	µg/m3
1,4-Dichlorobenzene	ND	ND	16	µg/m3
Dichlorodifluoromethane	ND	ND	8	µg/m3
1,1-Dichloroethane	ND	ND	8	µg/m3
1,2-Dichloroethane	ND	ND	8	µg/m3
1,1-Dichloroethene	ND	ND	8	µg/m3
cis-1,2-Dichloroethene	ND	ND	8	µg/m3
trans-1,2-Dichloroethene	ND	ND	8	µg/m3
1,2-Dichloropropane	ND	ND	8	µg/m3
1,3-Dichloropropane	ND	ND	8	µg/m3
2,2-Dichloropropane	ND	ND	16	µg/m3
1,1-Dichloropropene	ND	ND	10	µg/m3

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	SAMPLING BLANK		
Jones ID:	**091619-VSGMB1**	**091619-VSGSB1**	**Reporting Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene	ND	ND	8	µg/m3
trans-1,3-Dichloropropene	ND	ND	8	µg/m3
Ethylbenzene	ND	ND	8	µg/m3
Freon 113	ND	ND	16	µg/m3
Hexachlorobutadiene	ND	ND	24	µg/m3
Isopropylbenzene	ND	ND	8	µg/m3
4-Isopropyltoluene	ND	ND	8	µg/m3
Methylene chloride	ND	ND	8	µg/m3
Naphthalene	ND	ND	40	µg/m3
n-Propylbenzene	ND	ND	8	µg/m3
Styrene	ND	ND	8	µg/m3
1,1,1,2-Tetrachloroethane	ND	ND	8	µg/m3
1,1,2,2-Tetrachloroethane	ND	ND	16	µg/m3
Tetrachloroethene	ND	ND	8	µg/m3
Toluene	ND	ND	8	µg/m3
1,2,3-Trichlorobenzene	ND	ND	16	µg/m3
1,2,4-Trichlorobenzene	ND	ND	16	µg/m3
1,1,1-Trichloroethane	ND	ND	8	µg/m3
1,1,2-Trichloroethane	ND	ND	8	µg/m3
Trichloroethene	ND	ND	8	µg/m3
Trichlorofluoromethane	ND	ND	16	µg/m3
1,2,3-Trichloropropane	ND	ND	8	µg/m3
1,2,4-Trimethylbenzene	ND	ND	8	µg/m3
1,3,5-Trimethylbenzene	ND	ND	8	µg/m3
Vinyl chloride	ND	ND	8	µg/m3
m,p-Xylene	ND	ND	16	µg/m3
o-Xylene	ND	ND	8	µg/m3
MTBE	ND	ND	40	µg/m3
Ethyl-tert-butylether	ND	ND	40	µg/m3
Di-isopropylether	ND	ND	40	µg/m3
tert-amylmethylether	ND	ND	40	µg/m3
tert-Butylalcohol	ND	ND	400	µg/m3
Tracer:				
n-Pentane	ND	ND	80	µg/m3
n-Hexane	ND	ND	80	µg/m3
n-Heptane	ND	ND	80	µg/m3
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	97%	99%	60 - 140	
Toluene-d_8	105%	99%	60 - 140	
4-Bromofluorobenzene	111%	95%	60 - 140	
Batch ID:	VOCSG-091619-01	VOCSG-091619-01		

ND = Value below reporting limit

JONES ENVIRONMENTAL, INC.
714-449-9937
562-646-1611
805-399-0060
11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Dudek
Client Address: 605 3rd Street, Encinitas, CA 92024

Attn: Susie Smith

Project: 1900 Third St
Project Address: 1900 Third St, Norco, CA 92860

Report date: 9/18/2019
Jones Ref. No.: ST-14307

Date Sampled: 9/10/2019
Date Received: 9/10/2019
Date Analyzed: 9/16/2019
Physical State: Soil Gas

EPA 8260B – Volatile Organics by GC/MS + Oxygenates

Batch ID: VOCSG-091619-01

Jones ID:	**091619-VSGLCS1**	**091619-VSGLCSD1**			**091619-VSGCCV1**	
Parameter	LCS Recovery (%)	LCSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	128%	116%	9.9%	60 - 140	110%	80 - 120
1,1-Dichloroethene	142%	140%	1.5%	60 - 140	124%	80 - 120
Cis-1,2-Dichloroethene	127%	136%	7.4%	70 - 130	84%	80 - 120
1,1,1-Trichloroethane	108%	111%	2.4%	70 - 130	100%	80 - 120
Benzene	111%	114%	2.5%	70 - 130	99%	80 - 120
Trichloroethene	106%	111%	4.2%	70 - 130	97%	80 - 120
Toluene	110%	109%	1.0%	70 - 130	96%	80 - 120
Tetrachloroethene	123%	115%	6.6%	70 - 130	104%	80 - 120
Chlorobenzene	115%	115%	0.1%	70 - 130	101%	80 - 120
Ethylbenzene	112%	115%	2.1%	70 - 130	100%	80 - 120
1,2,4 Trimethylbenzene	117%	111%	5.2%	70 - 130	102%	80 - 120
Surrogate Recovery:						
Dibromofluoromethane	94%	99%		60 - 140	95%	60 - 140
Toluene-d_8	99%	98%		60 - 140	97%	60 - 140
4-Bromofluorobenzene	109%	103%		60 - 140	105%	60 - 140

LCS = Laboratory Control Sample
LCSD = Laboratory Control Sample Duplicate
CCV = Continuing Calibration Verification
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%

JONES ENVIRONMENTAL, INC.
11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Soil-Gas Chain-of-Custody Record

Client: Dudek

Date: 9/10/2019

Project Name: 1900 Third St

Client Project #:

Project Address: 1900 Third St

Norco, California 92860

Email:

Phone:

Report To:

Sampler: Joel Almas

Purge Number: ☐ 1P ☑ 3P ☐ 7P ☐ 10P

Shut-In Test: (Y) / N

Report Options
EDD ____
EDF* - 10% Surcharge ____
*Global ID ____

LAB USE ONLY
Jones Project #
ST-14307

Page 1 of 1

Sample Container: GASTIGHT GLASS SYRINGE
if different than above, see Notes.

Turn Around Requested
- ☐ Immediate Attention
- ☐ Rush 24 Hours
- ☐ Rush 48 Hours
- ☐ Rush 72 Hours
- ☐ Normal
- ☑ Mobile Lab

Tracer
- ☑ n-pentane
- ☑ n-hexane
- ☑ n-heptane
- ☐ Isopropyl Alchohol
- ☐ 1,1-DFA
- ☐ ____

Reporting Limits
☑ Standard ☐ Low Level* ☐ MDL*
*surcharge for these limits

Units: µg/M³

Analysis Requested

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Start	Sample Collection End	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260B (VOCs)	Gasoline Range Organics			Magnehelic Vacuum (In/H_2O)	Number of Containers	Notes & Special Instructions
S8-5'	3	1630	9/10/19	16:56	17:02	ST-14307-01	200	JOEL.1	118007	SG	X				<2	1	SUMMA #B2443
S7-5'	3	1630	9/10/19	17:08	17:15	ST-14307-02	200	SAMPLER.1	118011	SG	X				<2	1	SUMMA #B2454
S14-5'	3	1630	9/10/19	17:04	17:09	ST-14307-03	200	JOEL.1	118007	SG	X				<2	1	SUMMA #B2447

Representative Signature: DIVYA **Printed Name:** DIVYA
Company: Dudek **Date:** 9/10/2019 **Time:** 0:00

Laboratory Signature: Joel Almas **Printed Name:** Joel Almas
Company: Jones Environmental **Date:** 9/10/2019 **Time:** 17:23

Representative Signature: **Printed Name:**
Company: **Date:** **Time:**

Laboratory Signature: **Printed Name:**
Company: **Date:** **Time:**

3 Total Number of Containers

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct and accurate.

Appendix B
Laboratory Analytical Report – Soil

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-7095-1
Client Project/Site: RCCD Norco Veteran Center

For:
Dudek & Associates
605 3rd Street
Encinitas, California 92024

Attn: Susan Smith

Authorized for release by:
9/25/2019 3:59:19 PM

Lori Thompson, Project Manager I
(714)895-5494
lorithompson@eurofinsus.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 11
Surrogate Summary 27
QC Sample Results 28
QC Association Summary 36
Lab Chronicle 40
Certification Summary 49
Method Summary 50
Sample Summary 51
Chain of Custody 52
Receipt Checklists 57

Definitions/Glossary

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
L	A negative instrument reading had an absolute value greater than the reporting limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 570-7095-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-7095-1

Comments
No additional comments.

Receipt
The samples were received on 9/11/2019 3:03 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.0º C and 4.3º C.

Receipt Exceptions
Received 250ml unpreserved Poly for total metals. EB-1 (570-7095-42).

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 570-20032 and analytical batch 570-20355 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-19279 and analytical batch 570-21277 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 6010B: The absolute response for Silver was greater than the method reporting limit (RL) in the following samples: COMP2-2 (570-7095-13) and BACOMP1-2 (570-7095-41).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method(s) 6010B: The absolute response for Molybdenum was greater than the method reporting limit (RL) in the following samples: COMP2-2 (570-7095-13), COMP4-2 (570-7095-31), BACOMP1-1 (570-7095-36) and BACOMP1-2 (570-7095-41).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method(s) 6010B: The absolute response for Antimony was greater than the method reporting limit (RL) in the following samples: COMP2-2 (570-7095-13), COMP4-0.5 (570-7095-27) and COMP4-2 (570-7095-31).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method(s) 6010B: The absolute response for Arsenic was greater than the method reporting limit (RL) in the following sample: COMP3-2 (570-7095-23).
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method(s) 6010B: The absolute response for Selenium was greater than the method reporting limit (RL) in the following sample: BACOMP1-1 (570-7095-36).
The instrument raw data has been manually reviewed and the result can be reported as ND.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-18985. LCS/LCSD performed to meet QC requirements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Client Sample ID: S4-2 — Lab Sample ID: 570-7095-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S5-2 — Lab Sample ID: 570-7095-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S3-2 — Lab Sample ID: 570-7095-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: COMP1-2 — Lab Sample ID: 570-7095-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Barium	40.0		0.485		mg/Kg	1		6010B	Total/NA
Cobalt	2.90		0.243		mg/Kg	1		6010B	Total/NA
Chromium	4.32		0.243		mg/Kg	1		6010B	Total/NA
Copper	15.7		0.485		mg/Kg	1		6010B	Total/NA
Nickel	2.86		0.243		mg/Kg	1		6010B	Total/NA
Selenium	0.760		0.728		mg/Kg	1		6010B	Total/NA
Vanadium	15.3		0.243		mg/Kg	1		6010B	Total/NA
Zinc	27.8		0.971		mg/Kg	1		6010B	Total/NA
Lead	11.3		0.485		mg/Kg	1		6010B	Total/NA

Client Sample ID: COMP1-2 DUP — Lab Sample ID: 570-7095-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Barium	39.7		0.513		mg/Kg	1		6010B	Total/NA
Cobalt	2.99		0.256		mg/Kg	1		6010B	Total/NA
Chromium	4.76		0.256		mg/Kg	1		6010B	Total/NA
Copper	14.8		0.513		mg/Kg	1		6010B	Total/NA
Nickel	3.05		0.256		mg/Kg	1		6010B	Total/NA
Vanadium	15.7		0.256		mg/Kg	1		6010B	Total/NA
Zinc	29.7		1.03		mg/Kg	1		6010B	Total/NA
Lead	10.2		0.513		mg/Kg	1		6010B	Total/NA

Client Sample ID: S7-0.5 — Lab Sample ID: 570-7095-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S8-0.5 — Lab Sample ID: 570-7095-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S9-0.5 — Lab Sample ID: 570-7095-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Client Sample ID: COMP2-0.5 — Lab Sample ID: 570-7095-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.958		0.754		mg/Kg	1		6010B	Total/NA
Barium	60.0		0.503		mg/Kg	1		6010B	Total/NA
Beryllium	0.433		0.251		mg/Kg	1		6010B	Total/NA
Cobalt	5.24		0.251		mg/Kg	1		6010B	Total/NA
Chromium	11.2		0.251		mg/Kg	1		6010B	Total/NA
Copper	13.6		0.503		mg/Kg	1		6010B	Total/NA
Nickel	6.26		0.251		mg/Kg	1		6010B	Total/NA
Vanadium	27.7		0.251		mg/Kg	1		6010B	Total/NA
Zinc	43.1		1.01		mg/Kg	1		6010B	Total/NA
Lead	7.82		0.503		mg/Kg	1		6010B	Total/NA

Client Sample ID: S7-2 — Lab Sample ID: 570-7095-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S8-2 — Lab Sample ID: 570-7095-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S9-2 — Lab Sample ID: 570-7095-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: COMP2-2 — Lab Sample ID: 570-7095-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Barium	70.4		0.500		mg/Kg	1		6010B	Total/NA
Beryllium	0.376		0.250		mg/Kg	1		6010B	Total/NA
Cadmium	0.624		0.500		mg/Kg	1		6010B	Total/NA
Cobalt	5.34		0.250		mg/Kg	1		6010B	Total/NA
Chromium	6.59		0.250		mg/Kg	1		6010B	Total/NA
Copper	26.2		0.500		mg/Kg	1		6010B	Total/NA
Nickel	3.52		0.250		mg/Kg	1		6010B	Total/NA
Vanadium	32.6		0.250		mg/Kg	1		6010B	Total/NA
Zinc	45.6		1.00		mg/Kg	1		6010B	Total/NA
Lead	7.80		0.500		mg/Kg	1		6010B	Total/NA

Client Sample ID: S10-0.5 — Lab Sample ID: 570-7095-14

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S11-0.5 — Lab Sample ID: 570-7095-15

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S12-0.5 — Lab Sample ID: 570-7095-16

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Client Sample ID: S13-0.5 — Lab Sample ID: 570-7095-17

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: COMP3-0.5 — Lab Sample ID: 570-7095-18

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Barium	50.3		0.503		mg/Kg	1		6010B	Total/NA
Beryllium	0.299		0.251		mg/Kg	1		6010B	Total/NA
Cobalt	3.69		0.251		mg/Kg	1		6010B	Total/NA
Chromium	5.91		0.251		mg/Kg	1		6010B	Total/NA
Copper	9.99		0.503		mg/Kg	1		6010B	Total/NA
Nickel	3.68		0.251		mg/Kg	1		6010B	Total/NA
Vanadium	18.2		0.251		mg/Kg	1		6010B	Total/NA
Zinc	32.1		1.01		mg/Kg	1		6010B	Total/NA
Lead	8.89		0.503		mg/Kg	1		6010B	Total/NA

Client Sample ID: S10-2 — Lab Sample ID: 570-7095-19

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S11-2 — Lab Sample ID: 570-7095-20

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S12-2 — Lab Sample ID: 570-7095-21

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S13-2 — Lab Sample ID: 570-7095-22

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: COMP3-2 — Lab Sample ID: 570-7095-23

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Barium	71.0		0.513		mg/Kg	1		6010B	Total/NA
Beryllium	0.319		0.256		mg/Kg	1		6010B	Total/NA
Cadmium	0.617		0.513		mg/Kg	1		6010B	Total/NA
Cobalt	4.85		0.256		mg/Kg	1		6010B	Total/NA
Chromium	5.24		0.256		mg/Kg	1		6010B	Total/NA
Copper	12.1		0.513		mg/Kg	1		6010B	Total/NA
Nickel	2.91		0.256		mg/Kg	1		6010B	Total/NA
Vanadium	26.7		0.256		mg/Kg	1		6010B	Total/NA
Zinc	37.8		1.03		mg/Kg	1		6010B	Total/NA
Lead	11.6		0.513		mg/Kg	1		6010B	Total/NA

Client Sample ID: S14-0.5 — Lab Sample ID: 570-7095-24

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Client Sample ID: S15-0.5 — Lab Sample ID: 570-7095-25

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S16-0.5 — Lab Sample ID: 570-7095-26

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: COMP4-0.5 — Lab Sample ID: 570-7095-27

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.37		0.732		mg/Kg	1		6010B	Total/NA
Barium	72.8		0.488		mg/Kg	1		6010B	Total/NA
Beryllium	0.482		0.244		mg/Kg	1		6010B	Total/NA
Cadmium	0.589		0.488		mg/Kg	1		6010B	Total/NA
Cobalt	5.65		0.244		mg/Kg	1		6010B	Total/NA
Chromium	10.9		0.244		mg/Kg	1		6010B	Total/NA
Copper	13.0		0.488		mg/Kg	1		6010B	Total/NA
Nickel	6.53		0.244		mg/Kg	1		6010B	Total/NA
Vanadium	30.0		0.244		mg/Kg	1		6010B	Total/NA
Zinc	37.7		0.976		mg/Kg	1		6010B	Total/NA
Lead	7.38		0.488		mg/Kg	1		6010B	Total/NA

Client Sample ID: S14-2 — Lab Sample ID: 570-7095-28

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S15-2 — Lab Sample ID: 570-7095-29

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: S16-2 — Lab Sample ID: 570-7095-30

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: COMP4-2 — Lab Sample ID: 570-7095-31

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.773		0.750		mg/Kg	1		6010B	Total/NA
Barium	73.4		0.500		mg/Kg	1		6010B	Total/NA
Beryllium	0.499		0.250		mg/Kg	1		6010B	Total/NA
Cadmium	0.577		0.500		mg/Kg	1		6010B	Total/NA
Cobalt	5.98		0.250		mg/Kg	1		6010B	Total/NA
Chromium	10.3		0.250		mg/Kg	1		6010B	Total/NA
Copper	17.3		0.500		mg/Kg	1		6010B	Total/NA
Nickel	6.25		0.250		mg/Kg	1		6010B	Total/NA
Vanadium	31.2		0.250		mg/Kg	1		6010B	Total/NA
Zinc	45.6		1.00		mg/Kg	1		6010B	Total/NA
Lead	10.0		0.500		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Client Sample ID: BA1-1 — Lab Sample ID: 570-7095-32

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: BA2-1 — Lab Sample ID: 570-7095-33

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: BA3-1 — Lab Sample ID: 570-7095-34

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: BA4-1 — Lab Sample ID: 570-7095-35

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: BACOMP1-1 — Lab Sample ID: 570-7095-36

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Barium	73.1		0.481		mg/Kg	1		6010B	Total/NA
Beryllium	0.384		0.240		mg/Kg	1		6010B	Total/NA
Cobalt	5.97		0.240		mg/Kg	1		6010B	Total/NA
Chromium	14.9		0.240		mg/Kg	1		6010B	Total/NA
Copper	10.1		0.481		mg/Kg	1		6010B	Total/NA
Nickel	7.45		0.240		mg/Kg	1		6010B	Total/NA
Vanadium	29.7		0.240		mg/Kg	1		6010B	Total/NA
Zinc	39.7		0.962		mg/Kg	1		6010B	Total/NA
Lead	8.70		0.481		mg/Kg	1		6010B	Total/NA

Client Sample ID: BA1-2 — Lab Sample ID: 570-7095-37

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: BA2-2 — Lab Sample ID: 570-7095-38

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: BA3-2 — Lab Sample ID: 570-7095-39

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: BA4-2 — Lab Sample ID: 570-7095-40

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Composited	yes				NONE	1		Composite	Total/NA

Client Sample ID: BACOMP1-2 — Lab Sample ID: 570-7095-41

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Barium	64.9		0.503		mg/Kg	1		6010B	Total/NA
Beryllium	0.336		0.251		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Client Sample ID: BACOMP1-2 (Continued)

Lab Sample ID: 570-7095-41

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Cobalt	5.28		0.251		mg/Kg	1		6010B	Total/NA
Chromium	11.4		0.251		mg/Kg	1		6010B	Total/NA
Copper	8.31		0.503		mg/Kg	1		6010B	Total/NA
Nickel	5.68		0.251		mg/Kg	1		6010B	Total/NA
Vanadium	26.6		0.251		mg/Kg	1		6010B	Total/NA
Zinc	32.8		1.01		mg/Kg	1		6010B	Total/NA
Lead	7.48		0.503		mg/Kg	1		6010B	Total/NA

Client Sample ID: EB-1

Lab Sample ID: 570-7095-42

No Detections.

This Detection Summary does not include radiochemical test results.

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: COMP1-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		09/12/19 17:07	09/13/19 11:37	1
Aroclor-1221	ND		50		ug/Kg		09/12/19 17:07	09/13/19 11:37	1
Aroclor-1232	ND		50		ug/Kg		09/12/19 17:07	09/13/19 11:37	1
Aroclor-1242	ND		50		ug/Kg		09/12/19 17:07	09/13/19 11:37	1
Aroclor-1248	ND		50		ug/Kg		09/12/19 17:07	09/13/19 11:37	1
Aroclor-1254	ND		50		ug/Kg		09/12/19 17:07	09/13/19 11:37	1
Aroclor-1260	ND		50		ug/Kg		09/12/19 17:07	09/13/19 11:37	1
Aroclor-1262	ND		50		ug/Kg		09/12/19 17:07	09/13/19 11:37	1
Aroclor-1268	ND		50		ug/Kg		09/12/19 17:07	09/13/19 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*92*		*24 - 168*	*09/12/19 17:07*	*09/13/19 11:37*	*1*
Tetrachloro-m-xylene	*63*		*25 - 145*	*09/12/19 17:07*	*09/13/19 11:37*	*1*

Client Sample ID: COMP1-2 DUP
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		09/12/19 17:07	09/18/19 11:58	1
Aroclor-1221	ND		50		ug/Kg		09/12/19 17:07	09/18/19 11:58	1
Aroclor-1232	ND		50		ug/Kg		09/12/19 17:07	09/18/19 11:58	1
Aroclor-1242	ND		50		ug/Kg		09/12/19 17:07	09/18/19 11:58	1
Aroclor-1248	ND		50		ug/Kg		09/12/19 17:07	09/18/19 11:58	1
Aroclor-1254	ND		50		ug/Kg		09/12/19 17:07	09/18/19 11:58	1
Aroclor-1260	ND		50		ug/Kg		09/12/19 17:07	09/18/19 11:58	1
Aroclor-1262	ND		50		ug/Kg		09/12/19 17:07	09/18/19 11:58	1
Aroclor-1268	ND		50		ug/Kg		09/12/19 17:07	09/18/19 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*110*		*24 - 168*	*09/12/19 17:07*	*09/18/19 11:58*	*1*
Tetrachloro-m-xylene	*88*		*25 - 145*	*09/12/19 17:07*	*09/18/19 11:58*	*1*

Client Sample ID: COMP2-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:01	1
Aroclor-1221	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:01	1
Aroclor-1232	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:01	1
Aroclor-1242	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:01	1
Aroclor-1248	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:01	1
Aroclor-1254	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:01	1
Aroclor-1260	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:01	1
Aroclor-1262	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:01	1
Aroclor-1268	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*80*		*24 - 168*	*09/12/19 17:07*	*09/17/19 19:01*	*1*
Tetrachloro-m-xylene	*61*		*25 - 145*	*09/12/19 17:07*	*09/17/19 19:01*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: COMP2-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:16	1
Aroclor-1221	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:16	1
Aroclor-1232	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:16	1
Aroclor-1242	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:16	1
Aroclor-1248	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:16	1
Aroclor-1254	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:16	1
Aroclor-1260	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:16	1
Aroclor-1262	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:16	1
Aroclor-1268	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*70*		*24 - 168*	*09/12/19 17:07*	*09/18/19 12:16*	*1*
Tetrachloro-m-xylene	*53*		*25 - 145*	*09/12/19 17:07*	*09/18/19 12:16*	*1*

Client Sample ID: COMP3-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-18
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:34	1
Aroclor-1221	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:34	1
Aroclor-1232	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:34	1
Aroclor-1242	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:34	1
Aroclor-1248	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:34	1
Aroclor-1254	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:34	1
Aroclor-1260	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:34	1
Aroclor-1262	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:34	1
Aroclor-1268	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*83*		*24 - 168*	*09/12/19 17:07*	*09/18/19 12:34*	*1*
Tetrachloro-m-xylene	*70*		*25 - 145*	*09/12/19 17:07*	*09/18/19 12:34*	*1*

Client Sample ID: COMP3-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:55	1
Aroclor-1221	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:55	1
Aroclor-1232	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:55	1
Aroclor-1242	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:55	1
Aroclor-1248	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:55	1
Aroclor-1254	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:55	1
Aroclor-1260	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:55	1
Aroclor-1262	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:55	1
Aroclor-1268	ND		50		ug/Kg		09/12/19 17:07	09/17/19 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*51*		*24 - 168*	*09/12/19 17:07*	*09/17/19 19:55*	*1*
Tetrachloro-m-xylene	*44*		*25 - 145*	*09/12/19 17:07*	*09/17/19 19:55*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: COMP4-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-27
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:12	1
Aroclor-1221	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:12	1
Aroclor-1232	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:12	1
Aroclor-1242	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:12	1
Aroclor-1248	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:12	1
Aroclor-1254	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:12	1
Aroclor-1260	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:12	1
Aroclor-1262	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:12	1
Aroclor-1268	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*36*		*24 - 168*	*09/12/19 17:07*	*09/17/19 20:12*	*1*
Tetrachloro-m-xylene	*31*		*25 - 145*	*09/12/19 17:07*	*09/17/19 20:12*	*1*

Client Sample ID: COMP4-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-31
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:31	1
Aroclor-1221	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:31	1
Aroclor-1232	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:31	1
Aroclor-1242	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:31	1
Aroclor-1248	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:31	1
Aroclor-1254	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:31	1
Aroclor-1260	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:31	1
Aroclor-1262	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:31	1
Aroclor-1268	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*37*		*24 - 168*	*09/12/19 17:07*	*09/17/19 20:31*	*1*
Tetrachloro-m-xylene	*30*		*25 - 145*	*09/12/19 17:07*	*09/17/19 20:31*	*1*

Client Sample ID: BACOMP1-1
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:48	1
Aroclor-1221	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:48	1
Aroclor-1232	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:48	1
Aroclor-1242	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:48	1
Aroclor-1248	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:48	1
Aroclor-1254	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:48	1
Aroclor-1260	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:48	1
Aroclor-1262	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:48	1
Aroclor-1268	ND		50		ug/Kg		09/12/19 17:07	09/17/19 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*85*		*24 - 168*	*09/12/19 17:07*	*09/17/19 20:48*	*1*
Tetrachloro-m-xylene	*88*		*25 - 145*	*09/12/19 17:07*	*09/17/19 20:48*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Sample ID: BACOMP1-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-41
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:52	1
Aroclor-1221	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:52	1
Aroclor-1232	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:52	1
Aroclor-1242	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:52	1
Aroclor-1248	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:52	1
Aroclor-1254	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:52	1
Aroclor-1260	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:52	1
Aroclor-1262	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:52	1
Aroclor-1268	ND		50		ug/Kg		09/12/19 17:07	09/18/19 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*56*		*24 - 168*	*09/12/19 17:07*	*09/18/19 12:52*	*1*
Tetrachloro-m-xylene	*51*		*25 - 145*	*09/12/19 17:07*	*09/18/19 12:52*	*1*

Client Sample ID: EB-1
Date Collected: 09/10/19 15:00
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-42
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.48		ug/L		09/13/19 10:18	09/16/19 15:58	1
Aroclor-1221	ND		0.48		ug/L		09/13/19 10:18	09/16/19 15:58	1
Aroclor-1232	ND		0.48		ug/L		09/13/19 10:18	09/16/19 15:58	1
Aroclor-1242	ND		0.48		ug/L		09/13/19 10:18	09/16/19 15:58	1
Aroclor-1248	ND		0.48		ug/L		09/13/19 10:18	09/16/19 15:58	1
Aroclor-1254	ND		0.48		ug/L		09/13/19 10:18	09/16/19 15:58	1
Aroclor-1260	ND		0.48		ug/L		09/13/19 10:18	09/16/19 15:58	1
Aroclor-1262	ND		0.48		ug/L		09/13/19 10:18	09/16/19 15:58	1
Aroclor-1268	ND		0.48		ug/L		09/13/19 10:18	09/16/19 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*61*		*50 - 135*	*09/13/19 10:18*	*09/16/19 15:58*	*1*
Tetrachloro-m-xylene (Surr)	*91*		*50 - 135*	*09/13/19 10:18*	*09/16/19 15:58*	*1*

Method: 6010B - Metals (ICP)

Client Sample ID: COMP1-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-4
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.243	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Arsenic	ND		0.728	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Barium	**40.0**		0.485	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Beryllium	ND		0.243	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Cadmium	ND		0.485	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Cobalt	**2.90**		0.243	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Chromium	**4.32**		0.243	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Copper	**15.7**		0.485	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Molybdenum	ND		0.243	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Nickel	**2.86**		0.243	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Antimony	ND	F1	0.728	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Selenium	**0.760**		0.728	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Thallium	ND		0.728	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Vanadium	**15.3**		0.243	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Zinc	**27.8**		0.971	mg/Kg		09/17/19 12:57	09/24/19 01:15	1
Lead	**11.3**		0.485	mg/Kg		09/17/19 12:57	09/24/19 01:15	1

Client Sample ID: COMP1-2 DUP
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-5
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Arsenic	ND		0.769	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Barium	**39.7**		0.513	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Beryllium	ND		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Cadmium	ND		0.513	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Cobalt	**2.99**		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Chromium	**4.76**		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Copper	**14.8**		0.513	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Molybdenum	ND		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Nickel	**3.05**		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Antimony	ND		0.769	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Selenium	ND		0.769	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Thallium	ND		0.769	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Vanadium	**15.7**		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Zinc	**29.7**		1.03	mg/Kg		09/17/19 12:57	09/24/19 01:21	1
Lead	**10.2**		0.513	mg/Kg		09/17/19 12:57	09/24/19 01:21	1

Client Sample ID: COMP2-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-9
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.251	mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Arsenic	**0.958**		0.754	mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Barium	**60.0**		0.503	mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Beryllium	**0.433**		0.251	mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Cadmium	ND		0.503	mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Cobalt	**5.24**		0.251	mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Chromium	**11.2**		0.251	mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Copper	**13.6**		0.503	mg/Kg		09/17/19 12:57	09/24/19 01:23	1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: COMP2-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND		0.251		mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Nickel	**6.26**		0.251		mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Antimony	ND		0.754		mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Selenium	ND		0.754		mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Thallium	ND		0.754		mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Vanadium	**27.7**		0.251		mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Zinc	**43.1**		1.01		mg/Kg		09/17/19 12:57	09/24/19 01:23	1
Lead	**7.82**		0.503		mg/Kg		09/17/19 12:57	09/24/19 01:23	1

Client Sample ID: COMP2-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	L	0.250		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Arsenic	ND		0.750		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Barium	**70.4**		0.500		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Beryllium	**0.376**		0.250		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Cadmium	**0.624**		0.500		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Cobalt	**5.34**		0.250		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Chromium	**6.59**		0.250		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Copper	**26.2**		0.500		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Molybdenum	ND	L	0.250		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Nickel	**3.52**		0.250		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Antimony	ND	L	0.750		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Selenium	ND		0.750		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Thallium	ND		0.750		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Vanadium	**32.6**		0.250		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Zinc	**45.6**		1.00		mg/Kg		09/17/19 12:57	09/24/19 01:24	1
Lead	**7.80**		0.500		mg/Kg		09/17/19 12:57	09/24/19 01:24	1

Client Sample ID: COMP3-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-18
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.251		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Arsenic	ND		0.754		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Barium	**50.3**		0.503		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Beryllium	**0.299**		0.251		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Cadmium	ND		0.503		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Cobalt	**3.69**		0.251		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Chromium	**5.91**		0.251		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Copper	**9.99**		0.503		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Molybdenum	ND		0.251		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Nickel	**3.68**		0.251		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Antimony	ND		0.754		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Selenium	ND		0.754		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Thallium	ND		0.754		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Vanadium	**18.2**		0.251		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Zinc	**32.1**		1.01		mg/Kg		09/17/19 12:57	09/24/19 01:32	1
Lead	**8.89**		0.503		mg/Kg		09/17/19 12:57	09/24/19 01:32	1

Method: 6010B - Metals (ICP)

Client Sample ID: COMP3-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-23
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Arsenic	ND	L	0.769	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Barium	**71.0**		0.513	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Beryllium	**0.319**		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Cadmium	**0.617**		0.513	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Cobalt	**4.85**		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Chromium	**5.24**		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Copper	**12.1**		0.513	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Molybdenum	ND		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Nickel	**2.91**		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Antimony	ND		0.769	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Selenium	ND		0.769	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Thallium	ND		0.769	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Vanadium	**26.7**		0.256	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Zinc	**37.8**		1.03	mg/Kg		09/17/19 12:57	09/24/19 01:34	1
Lead	**11.6**		0.513	mg/Kg		09/17/19 12:57	09/24/19 01:34	1

Client Sample ID: COMP4-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-27
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.244	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Arsenic	**1.37**		0.732	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Barium	**72.8**		0.488	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Beryllium	**0.482**		0.244	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Cadmium	**0.589**		0.488	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Cobalt	**5.65**		0.244	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Chromium	**10.9**		0.244	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Copper	**13.0**		0.488	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Molybdenum	ND		0.244	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Nickel	**6.53**		0.244	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Antimony	ND	L	0.732	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Selenium	ND		0.732	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Thallium	ND		0.732	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Vanadium	**30.0**		0.244	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Zinc	**37.7**		0.976	mg/Kg		09/17/19 12:57	09/24/19 01:36	1
Lead	**7.38**		0.488	mg/Kg		09/17/19 12:57	09/24/19 01:36	1

Client Sample ID: COMP4-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-31
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.250	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Arsenic	**0.773**		0.750	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Barium	**73.4**		0.500	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Beryllium	**0.499**		0.250	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Cadmium	**0.577**		0.500	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Cobalt	**5.98**		0.250	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Chromium	**10.3**		0.250	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Copper	**17.3**		0.500	mg/Kg		09/17/19 12:57	09/24/19 01:38	1

Method: 6010B - Metals (ICP) (Continued)

Client Sample ID: COMP4-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-31
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	ND	L	0.250	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Nickel	**6.25**		0.250	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Antimony	ND	L	0.750	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Selenium	ND		0.750	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Thallium	ND		0.750	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Vanadium	**31.2**		0.250	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Zinc	**45.6**		1.00	mg/Kg		09/17/19 12:57	09/24/19 01:38	1
Lead	**10.0**		0.500	mg/Kg		09/17/19 12:57	09/24/19 01:38	1

Client Sample ID: BACOMP1-1
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-36
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.240	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Arsenic	ND		0.721	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Barium	**73.1**		0.481	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Beryllium	**0.384**		0.240	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Cadmium	ND		0.481	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Cobalt	**5.97**		0.240	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Chromium	**14.9**		0.240	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Copper	**10.1**		0.481	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Molybdenum	ND	L	0.240	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Nickel	**7.45**		0.240	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Antimony	ND		0.721	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Selenium	ND	L	0.721	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Thallium	ND		0.721	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Vanadium	**29.7**		0.240	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Zinc	**39.7**		0.962	mg/Kg		09/17/19 12:57	09/24/19 01:39	1
Lead	**8.70**		0.481	mg/Kg		09/17/19 12:57	09/24/19 01:39	1

Client Sample ID: BACOMP1-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-41
Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	L	0.251	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Arsenic	ND		0.754	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Barium	**64.9**		0.503	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Beryllium	**0.336**		0.251	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Cadmium	ND		0.503	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Cobalt	**5.28**		0.251	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Chromium	**11.4**		0.251	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Copper	**8.31**		0.503	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Molybdenum	ND	L	0.251	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Nickel	**5.68**		0.251	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Antimony	ND		0.754	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Selenium	ND		0.754	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Thallium	ND		0.754	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Vanadium	**26.6**		0.251	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Zinc	**32.8**		1.01	mg/Kg		09/17/19 12:57	09/24/19 01:41	1
Lead	**7.48**		0.503	mg/Kg		09/17/19 12:57	09/24/19 01:41	1

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Method: 6010B - Metals (ICP)

Client Sample ID: EB-1
Date Collected: 09/10/19 15:00
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-42
Matrix: Water

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0100		mg/L		09/18/19 08:00	09/18/19 22:32	1
Arsenic	ND		0.100		mg/L		09/18/19 08:00	09/18/19 22:32	1
Barium	ND		0.0100		mg/L		09/18/19 08:00	09/18/19 22:32	1
Beryllium	ND		0.0100		mg/L		09/18/19 08:00	09/18/19 22:32	1
Cadmium	ND		0.0100		mg/L		09/18/19 08:00	09/18/19 22:32	1
Cobalt	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 22:32	1
Chromium	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 22:32	1
Copper	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 22:32	1
Molybdenum	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 22:32	1
Nickel	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 22:32	1
Antimony	ND		0.100		mg/L		09/18/19 08:00	09/18/19 22:32	1
Selenium	ND		0.100		mg/L		09/18/19 08:00	09/18/19 22:32	1
Thallium	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 22:32	1
Vanadium	ND		0.0100		mg/L		09/18/19 08:00	09/18/19 22:32	1
Zinc	ND		0.250		mg/L		09/18/19 08:00	09/18/19 22:32	1
Lead	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 22:32	1

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Method: 7470A - Mercury (CVAA)

Client Sample ID: EB-1
Lab Sample ID: 570-7095-42
Date Collected: 09/10/19 15:00
Matrix: Water
Date Received: 09/11/19 15:03

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500		mg/L		09/18/19 12:00	09/18/19 16:43	1

Method: 7471A - Mercury (CVAA)

Client Sample ID: COMP1-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-4
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0794		mg/Kg		09/16/19 15:00	09/16/19 18:57	1

Client Sample ID: COMP1-2 DUP
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-5
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		09/16/19 15:00	09/16/19 19:04	1

Client Sample ID: COMP2-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-9
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		09/16/19 15:00	09/16/19 19:07	1

Client Sample ID: COMP2-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-13
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		09/16/19 15:00	09/16/19 19:09	1

Client Sample ID: COMP3-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-18
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		09/16/19 15:00	09/16/19 19:11	1

Client Sample ID: COMP3-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-23
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		09/16/19 15:00	09/16/19 19:13	1

Client Sample ID: COMP4-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-27
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		09/16/19 15:00	09/16/19 19:16	1

Client Sample ID: COMP4-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-31
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0820		mg/Kg		09/16/19 15:00	09/16/19 19:23	1

Client Sample ID: BACOMP1-1
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-36
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0862		mg/Kg		09/16/19 15:00	09/16/19 19:25	1

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Method: 7471A - Mercury (CVAA)

Client Sample ID: BACOMP1-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-41
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0847		mg/Kg		09/16/19 15:00	09/16/19 19:27	1

Method: Composite - Sample Composite for Organic Extraction

Client Sample ID: S4-2
Date Collected: 09/10/19 08:38
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S5-2
Date Collected: 09/10/19 08:58
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-2
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S3-2
Date Collected: 09/10/19 09:41
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-3
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S7-0.5
Date Collected: 09/10/19 12:45
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-6
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S8-0.5
Date Collected: 09/10/19 12:20
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-7
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S9-0.5
Date Collected: 09/10/19 10:05
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-8
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S7-2
Date Collected: 09/10/19 12:46
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-10
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S8-2
Date Collected: 09/10/19 12:21
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-11
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S9-2
Date Collected: 09/10/19 10:06
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-12
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Method: Composite - Sample Composite for Organic Extraction

Client Sample ID: S10-0.5
Date Collected: 09/10/19 11:58
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-14
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S11-0.5
Date Collected: 09/10/19 10:25
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-15
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S12-0.5
Date Collected: 09/10/19 11:15
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-16
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S13-0.5
Date Collected: 09/10/19 11:04
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-17
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S10-2
Date Collected: 09/10/19 11:59
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-19
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S11-2
Date Collected: 09/10/19 10:26
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-20
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S12-2
Date Collected: 09/10/19 11:16
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-21
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S13-2
Date Collected: 09/10/19 11:05
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-22
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S14-0.5
Date Collected: 09/10/19 13:00
Date Received: 09/11/19 15:03
Lab Sample ID: 570-7095-24
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Method: Composite - Sample Composite for Organic Extraction

Client Sample ID: S15-0.5
Date Collected: 09/10/19 11:36
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-25
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S16-0.5
Date Collected: 09/10/19 10:45
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-26
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S14-2
Date Collected: 09/10/19 13:01
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-28
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S15-2
Date Collected: 09/10/19 11:37
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-29
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: S16-2
Date Collected: 09/10/19 10:46
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-30
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: BA1-1
Date Collected: 09/10/19 14:25
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-32
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: BA2-1
Date Collected: 09/10/19 14:35
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-33
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: BA3-1
Date Collected: 09/10/19 14:00
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-34
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: BA4-1
Date Collected: 09/10/19 14:15
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-35
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Method: Composite - Sample Composite for Organic Extraction

Client Sample ID: BA1-2
Date Collected: 09/10/19 14:26
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-37
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: BA2-2
Date Collected: 09/10/19 14:36
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-38
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: BA3-2
Date Collected: 09/10/19 14:01
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-39
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:12	1

Client Sample ID: BA4-2
Date Collected: 09/10/19 14:16
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-40
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Composited	yes				NONE			09/12/19 14:15	1

Surrogate Summary

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	DCB2 (24-168)	TCX2 (25-145)										
570-7095-4	COMP1-2	92	63										
570-7095-4 MS	COMP1-2	90	62										
570-7095-4 MSD	COMP1-2	92	68										
570-7095-5	COMP1-2 DUP	110	88										
570-7095-9	COMP2-0.5	80	61										
570-7095-13	COMP2-2	70	53										
570-7095-18	COMP3-0.5	83	70										
570-7095-23	COMP3-2	51	44										
570-7095-27	COMP4-0.5	36	31										
570-7095-31	COMP4-2	37	30										
570-7095-36	BACOMP1-1	85	88										
570-7095-41	BACOMP1-2	56	51										
LCS 570-18776/5-A	Lab Control Sample	90	86										
MB 570-18776/1-A	Method Blank	90	86										

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	DCB2 (50-135)	TCX2 (50-135)										
570-7095-42	EB-1	61	91										
LCS 570-18985/2-A	Lab Control Sample	97	96										
LCSD 570-18985/3-A	Lab Control Sample Dup	82	93										
MB 570-18985/1-A	Method Blank	91	87										

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 570-18776/1-A
Matrix: Solid
Analysis Batch: 18886

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18776

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		50		ug/Kg		09/12/19 14:56	09/13/19 10:25	1
Aroclor-1221	ND		50		ug/Kg		09/12/19 14:56	09/13/19 10:25	1
Aroclor-1232	ND		50		ug/Kg		09/12/19 14:56	09/13/19 10:25	1
Aroclor-1242	ND		50		ug/Kg		09/12/19 14:56	09/13/19 10:25	1
Aroclor-1248	ND		50		ug/Kg		09/12/19 14:56	09/13/19 10:25	1
Aroclor-1254	ND		50		ug/Kg		09/12/19 14:56	09/13/19 10:25	1
Aroclor-1260	ND		50		ug/Kg		09/12/19 14:56	09/13/19 10:25	1
Aroclor-1262	ND		50		ug/Kg		09/12/19 14:56	09/13/19 10:25	1
Aroclor-1268	ND		50		ug/Kg		09/12/19 14:56	09/13/19 10:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr)	*90*		*24 - 168*	*09/12/19 14:56*	*09/13/19 10:25*	*1*
Tetrachloro-m-xylene	*86*		*25 - 145*	*09/12/19 14:56*	*09/13/19 10:25*	*1*

Lab Sample ID: LCS 570-18776/5-A
Matrix: Solid
Analysis Batch: 18886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18776

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			100	95.57		ug/Kg		96	50 - 135		
Aroclor-1260			100	88.19		ug/Kg		88	50 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*90*		*24 - 168*
Tetrachloro-m-xylene	*86*		*25 - 145*

Lab Sample ID: 570-7095-4 MS
Matrix: Solid
Analysis Batch: 18886

Client Sample ID: COMP1-2
Prep Type: Total/NA
Prep Batch: 18776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016	ND		99.4	94.88		ug/Kg		95	50 - 135		
Aroclor-1260	ND		99.4	98.66		ug/Kg		99	50 - 135		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr)	*90*		*24 - 168*
Tetrachloro-m-xylene	*62*		*25 - 145*

Lab Sample ID: 570-7095-4 MSD
Matrix: Solid
Analysis Batch: 18886

Client Sample ID: COMP1-2
Prep Type: Total/NA
Prep Batch: 18776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND	*	99.2	86.38		ug/Kg		87	50 - 135	5	20
Aroclor-1260	ND		99.2	99.88		ug/Kg		101	50 - 135	1	20

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 570-7095-4 MSD
Matrix: Solid
Analysis Batch: 18886

Client Sample ID: COMP1-2
Prep Type: Total/NA
Prep Batch: 18776

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	92		24 - 168
Tetrachloro-m-xylene	68		25 - 145

Lab Sample ID: MB 570-18985/1-A
Matrix: Water
Analysis Batch: 19348

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18985

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		0.50		ug/L		09/13/19 10:18	09/16/19 15:04	1
Aroclor-1221	ND		0.50		ug/L		09/13/19 10:18	09/16/19 15:04	1
Aroclor-1232	ND		0.50		ug/L		09/13/19 10:18	09/16/19 15:04	1
Aroclor-1242	ND		0.50		ug/L		09/13/19 10:18	09/16/19 15:04	1
Aroclor-1248	ND		0.50		ug/L		09/13/19 10:18	09/16/19 15:04	1
Aroclor-1254	ND		0.50		ug/L		09/13/19 10:18	09/16/19 15:04	1
Aroclor-1260	ND		0.50		ug/L		09/13/19 10:18	09/16/19 15:04	1
Aroclor-1262	ND		0.50		ug/L		09/13/19 10:18	09/16/19 15:04	1
Aroclor-1268	ND		0.50		ug/L		09/13/19 10:18	09/16/19 15:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	91		50 - 135	09/13/19 10:18	09/16/19 15:04	1
Tetrachloro-m-xylene (Surr)	87		50 - 135	09/13/19 10:18	09/16/19 15:04	1

Lab Sample ID: LCS 570-18985/2-A
Matrix: Water
Analysis Batch: 19348

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18985

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor-1016			1.00	1.096		ug/L		110	50 - 135		
Aroclor-1260			1.00	1.001		ug/L		100	50 - 135		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	97		50 - 135
Tetrachloro-m-xylene (Surr)	96		50 - 135

Lab Sample ID: LCSD 570-18985/3-A
Matrix: Water
Analysis Batch: 19348

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18985

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016			1.00	1.058		ug/L		106	50 - 135	3	25
Aroclor-1260			1.00	0.8841		ug/L		88	50 - 135	12	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	82		50 - 135
Tetrachloro-m-xylene (Surr)	93		50 - 135

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-19279/1-A
Matrix: Solid
Analysis Batch: 21277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19279

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.249		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Arsenic	ND		0.746		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Barium	ND		0.498		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Beryllium	ND		0.249		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Cadmium	ND		0.498		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Cobalt	ND		0.249		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Chromium	ND		0.249		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Copper	ND		0.498		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Molybdenum	ND		0.249		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Nickel	ND		0.249		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Antimony	ND		0.746		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Selenium	ND		0.746		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Thallium	ND		0.746		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Vanadium	ND		0.249		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Zinc	ND		0.995		mg/Kg		09/17/19 12:57	09/24/19 01:09	1
Lead	ND		0.498		mg/Kg		09/17/19 12:57	09/24/19 01:09	1

Lab Sample ID: LCS 570-19279/2-A
Matrix: Solid
Analysis Batch: 21277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19279

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silver			12.4	11.89		mg/Kg		96	80 - 120		
Arsenic			24.8	21.87		mg/Kg		88	80 - 120		
Barium			24.8	24.37		mg/Kg		98	80 - 120		
Beryllium			24.8	22.73		mg/Kg		92	80 - 120		
Cadmium			24.8	24.24		mg/Kg		98	80 - 120		
Cobalt			24.8	23.14		mg/Kg		93	80 - 120		
Chromium			24.8	24.44		mg/Kg		99	80 - 120		
Copper			24.8	23.92		mg/Kg		97	80 - 120		
Molybdenum			24.8	22.21		mg/Kg		90	80 - 120		
Nickel			24.8	24.76		mg/Kg		100	80 - 120		
Antimony			24.8	21.16		mg/Kg		85	80 - 120		
Selenium			24.8	22.26		mg/Kg		90	80 - 120		
Thallium			24.8	22.35		mg/Kg		90	80 - 120		
Vanadium			24.8	23.27		mg/Kg		94	80 - 120		
Zinc			24.8	23.77		mg/Kg		96	80 - 120		
Lead			24.8	24.74		mg/Kg		100	80 - 120		

Lab Sample ID: LCSD 570-19279/3-A
Matrix: Solid
Analysis Batch: 21277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19279

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver			12.7	12.25		mg/Kg		97	80 - 120	3	20
Arsenic			25.4	22.76		mg/Kg		90	80 - 120	4	20
Barium			25.4	24.99		mg/Kg		98	80 - 120	3	20
Beryllium			25.4	23.29		mg/Kg		92	80 - 120	2	20
Cadmium			25.4	24.68		mg/Kg		97	80 - 120	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-19279/3-A
Matrix: Solid
Analysis Batch: 21277

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19279

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cobalt			25.4	23.59		mg/Kg		93	80 - 120	2	20
Chromium			25.4	25.04		mg/Kg		99	80 - 120	2	20
Copper			25.4	24.62		mg/Kg		97	80 - 120	3	20
Molybdenum			25.4	22.87		mg/Kg		90	80 - 120	3	20
Nickel			25.4	25.21		mg/Kg		99	80 - 120	2	20
Antimony			25.4	21.80		mg/Kg		86	80 - 120	3	20
Selenium			25.4	22.36		mg/Kg		88	80 - 120	0	20
Thallium			25.4	23.34		mg/Kg		92	80 - 120	4	20
Vanadium			25.4	23.82		mg/Kg		94	80 - 120	2	20
Zinc			25.4	24.01		mg/Kg		95	80 - 120	1	20
Lead			25.4	24.90		mg/Kg		98	80 - 120	1	20

Lab Sample ID: 570-7095-4 MS
Matrix: Solid
Analysis Batch: 21277

Client Sample ID: COMP1-2
Prep Type: Total/NA
Prep Batch: 19279

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND		12.6	11.90		mg/Kg		95	75 - 125
Arsenic	ND		25.1	22.50		mg/Kg		90	75 - 125
Barium	40.0		25.1	69.81		mg/Kg		119	75 - 125
Beryllium	ND		25.1	25.36		mg/Kg		100	75 - 125
Cadmium	ND		25.1	25.93		mg/Kg		102	75 - 125
Cobalt	2.90		25.1	28.10		mg/Kg		100	75 - 125
Chromium	4.32		25.1	31.25		mg/Kg		107	75 - 125
Copper	15.7		25.1	46.76		mg/Kg		123	75 - 125
Molybdenum	ND		25.1	22.87		mg/Kg		90	75 - 125
Nickel	2.86		25.1	28.74		mg/Kg		103	75 - 125
Antimony	ND	F1	25.1	8.936	F1	mg/Kg		35	50 - 115
Selenium	0.760		25.1	21.37		mg/Kg		82	75 - 125
Thallium	ND		25.1	22.91		mg/Kg		91	75 - 125
Vanadium	15.3		25.1	42.75		mg/Kg		109	75 - 125
Zinc	27.8		25.1	55.65		mg/Kg		111	75 - 125
Lead	11.3		25.1	34.93		mg/Kg		94	75 - 125

Lab Sample ID: 570-7095-4 MSD
Matrix: Solid
Analysis Batch: 21277

Client Sample ID: COMP1-2
Prep Type: Total/NA
Prep Batch: 19279

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		12.3	11.78		mg/Kg		96	75 - 125	1	20
Arsenic	ND		24.6	21.83		mg/Kg		89	75 - 125	3	20
Barium	40.0		24.6	70.48		mg/Kg		124	75 - 125	1	20
Beryllium	ND		24.6	24.96		mg/Kg		100	75 - 125	2	20
Cadmium	ND		24.6	25.81		mg/Kg		103	75 - 125	0	20
Cobalt	2.90		24.6	27.81		mg/Kg		101	75 - 125	1	20
Chromium	4.32		24.6	31.29		mg/Kg		110	75 - 125	0	20
Copper	15.7		24.6	44.47		mg/Kg		117	75 - 125	5	20
Molybdenum	ND		24.6	22.31		mg/Kg		90	75 - 125	2	20
Nickel	2.86		24.6	28.96		mg/Kg		106	75 - 125	1	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-7095-4 MSD
Matrix: Solid
Analysis Batch: 21277

Client Sample ID: COMP1-2
Prep Type: Total/NA
Prep Batch: 19279

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND	F1	24.6	7.810	F1	mg/Kg		31	50 - 115	13	20
Selenium	0.760		24.6	21.03		mg/Kg		82	75 - 125	2	20
Thallium	ND		24.6	22.64		mg/Kg		92	75 - 125	1	20
Vanadium	15.3		24.6	42.15		mg/Kg		109	75 - 125	1	20
Zinc	27.8		24.6	56.06		mg/Kg		115	75 - 125	1	20
Lead	11.3		24.6	35.29		mg/Kg		97	75 - 125	1	20

Lab Sample ID: MB 570-20032/1-A
Matrix: Water
Analysis Batch: 20355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20032

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0100		mg/L		09/18/19 08:00	09/18/19 21:48	1
Arsenic	ND		0.100		mg/L		09/18/19 08:00	09/18/19 21:48	1
Barium	ND		0.0100		mg/L		09/18/19 08:00	09/18/19 21:48	1
Beryllium	ND		0.0100		mg/L		09/18/19 08:00	09/18/19 21:48	1
Cadmium	ND		0.0100		mg/L		09/18/19 08:00	09/18/19 21:48	1
Cobalt	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 21:48	1
Chromium	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 21:48	1
Copper	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 21:48	1
Molybdenum	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 21:48	1
Nickel	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 21:48	1
Antimony	ND		0.100		mg/L		09/18/19 08:00	09/18/19 21:48	1
Selenium	ND		0.100		mg/L		09/18/19 08:00	09/18/19 21:48	1
Thallium	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 21:48	1
Vanadium	ND		0.0100		mg/L		09/18/19 08:00	09/18/19 21:48	1
Zinc	ND		0.250		mg/L		09/18/19 08:00	09/18/19 21:48	1
Lead	ND		0.0500		mg/L		09/18/19 08:00	09/18/19 21:48	1

Lab Sample ID: LCS 570-20032/2-A
Matrix: Water
Analysis Batch: 20355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.250	0.2410		mg/L		96	80 - 120
Arsenic	0.500	0.4707		mg/L		94	80 - 120
Barium	0.500	0.4894		mg/L		98	80 - 120
Beryllium	0.500	0.4615		mg/L		92	80 - 120
Cadmium	0.500	0.4978		mg/L		100	80 - 120
Cobalt	0.500	0.4797		mg/L		96	80 - 120
Chromium	0.500	0.5045		mg/L		101	80 - 120
Copper	0.500	0.4866		mg/L		97	80 - 120
Molybdenum	0.500	0.4634		mg/L		93	80 - 120
Nickel	0.500	0.5042		mg/L		101	80 - 120
Antimony	0.500	0.4579		mg/L		92	80 - 120
Selenium	0.500	0.4498		mg/L		90	80 - 120
Thallium	0.500	0.4785		mg/L		96	80 - 120
Vanadium	0.500	0.4633		mg/L		93	80 - 120
Zinc	0.500	0.4926		mg/L		99	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-20032/2-A
Matrix: Water
Analysis Batch: 20355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.500	0.5132		mg/L		103	80 - 120

Lab Sample ID: LCSD 570-20032/3-A
Matrix: Water
Analysis Batch: 20355

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20032

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.250	0.2486		mg/L		99	80 - 120	3	20
Arsenic	0.500	0.4609		mg/L		92	80 - 120	2	20
Barium	0.500	0.5055		mg/L		101	80 - 120	3	20
Beryllium	0.500	0.4686		mg/L		94	80 - 120	2	20
Cadmium	0.500	0.5018		mg/L		100	80 - 120	1	20
Cobalt	0.500	0.4848		mg/L		97	80 - 120	1	20
Chromium	0.500	0.5213		mg/L		104	80 - 120	3	20
Copper	0.500	0.4993		mg/L		100	80 - 120	3	20
Molybdenum	0.500	0.4720		mg/L		94	80 - 120	2	20
Nickel	0.500	0.5086		mg/L		102	80 - 120	1	20
Antimony	0.500	0.4670		mg/L		93	80 - 120	2	20
Selenium	0.500	0.4540		mg/L		91	80 - 120	1	20
Thallium	0.500	0.4721		mg/L		94	80 - 120	1	20
Vanadium	0.500	0.4768		mg/L		95	80 - 120	3	20
Zinc	0.500	0.4977		mg/L		100	80 - 120	1	20
Lead	0.500	0.5166		mg/L		103	80 - 120	1	20

Lab Sample ID: 570-7346-E-15-C MS
Matrix: Water
Analysis Batch: 20355

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20032

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND	F1	0.250	ND	F1	mg/L		0	86 - 128
Arsenic	ND		0.500	0.4706		mg/L		94	80 - 140
Barium	0.315	F1	0.500	0.3104	F1	mg/L		-1	87 - 123
Beryllium	ND		0.500	0.5023		mg/L		100	89 - 119
Cadmium	ND		0.500	0.5196		mg/L		104	82 - 124
Cobalt	ND		0.500	0.4870		mg/L		97	83 - 125
Chromium	ND		0.500	0.5243		mg/L		105	86 - 122
Copper	ND		0.500	0.5029		mg/L		101	78 - 126
Molybdenum	ND	F2	0.500	0.4008		mg/L		78	78 - 126
Nickel	ND		0.500	0.5072		mg/L		101	84 - 120
Antimony	ND	F1	0.500	0.2677	F1	mg/L		54	72 - 132
Selenium	ND		0.500	0.4874		mg/L		97	79 - 127
Thallium	ND		0.500	0.4834		mg/L		97	79 - 121
Vanadium	ND		0.500	0.4900		mg/L		98	88 - 118
Zinc	ND		0.500	0.5150		mg/L		103	89 - 131
Lead	ND		0.500	0.5449		mg/L		105	84 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 570-7346-E-15-D MSD
Matrix: Water
Analysis Batch: 20355

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 20032

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND	F1	0.250	ND	F1	mg/L		0	86 - 128	NC	7
Arsenic	ND		0.500	0.4772		mg/L		95	80 - 140	1	11
Barium	0.315	F1	0.500	0.3198	F1	mg/L		0.9	87 - 123	3	6
Beryllium	ND		0.500	0.5040		mg/L		101	89 - 119	0	8
Cadmium	ND		0.500	0.5186		mg/L		104	82 - 124	0	7
Cobalt	ND		0.500	0.4791		mg/L		96	83 - 125	2	7
Chromium	ND		0.500	0.5291		mg/L		106	86 - 122	1	8
Copper	ND		0.500	0.5031		mg/L		101	78 - 126	0	7
Molybdenum	ND	F2	0.500	0.4390	F2	mg/L		86	78 - 126	9	7
Nickel	ND		0.500	0.5017		mg/L		100	84 - 120	1	7
Antimony	ND	F1	0.500	0.2956	F1	mg/L		59	72 - 132	10	10
Selenium	ND		0.500	0.5179		mg/L		104	79 - 127	6	9
Thallium	ND		0.500	0.4923		mg/L		98	79 - 121	2	8
Vanadium	ND		0.500	0.4926		mg/L		99	88 - 118	1	7
Zinc	ND		0.500	0.5146		mg/L		103	89 - 131	0	8
Lead	ND		0.500	0.5503		mg/L		106	84 - 120	1	7

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-20030/1-A
Matrix: Water
Analysis Batch: 20073

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20030

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500		mg/L		09/18/19 12:00	09/18/19 16:16	1

Lab Sample ID: LCS 570-20030/2-A
Matrix: Water
Analysis Batch: 20073

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20030

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.0100	0.009898		mg/L		99	80 - 120		

Lab Sample ID: LCSD 570-20030/3-A
Matrix: Water
Analysis Batch: 20073

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20030

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.0100	0.009856		mg/L		99	80 - 120	0	20

Lab Sample ID: 570-7346-E-16-B MS
Matrix: Water
Analysis Batch: 20073

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20030

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		0.0100	0.008942		mg/L		87	55 - 133		

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 570-7346-E-16-C MSD
Matrix: Water
Analysis Batch: 20073

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 20030

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.009211		mg/L		90	55 - 133	3	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-19259/1-A
Matrix: Solid
Analysis Batch: 19507

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19259

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0833		mg/Kg		09/16/19 15:00	09/16/19 18:46	1

Lab Sample ID: LCS 570-19259/2-A
Matrix: Solid
Analysis Batch: 19507

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19259

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.820	0.7566		mg/Kg		92	85 - 121		

Lab Sample ID: LCSD 570-19259/3-A
Matrix: Solid
Analysis Batch: 19507

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19259

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.7422		mg/Kg		89	85 - 121	2	10

Lab Sample ID: 570-7095-4 MS
Matrix: Solid
Analysis Batch: 19507

Client Sample ID: COMP1-2
Prep Type: Total/NA
Prep Batch: 19259

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		0.820	0.8144		mg/Kg		99	71 - 137		

Lab Sample ID: 570-7095-4 MSD
Matrix: Solid
Analysis Batch: 19507

Client Sample ID: COMP1-2
Prep Type: Total/NA
Prep Batch: 19259

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.794	0.7797		mg/Kg		97	71 - 137	4	14

GC Semi VOA

Prep Batch: 18776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-4	COMP1-2	Total/NA	Solid	3545	
570-7095-5	COMP1-2 DUP	Total/NA	Solid	3545	
570-7095-9	COMP2-0.5	Total/NA	Solid	3545	
570-7095-13	COMP2-2	Total/NA	Solid	3545	
570-7095-18	COMP3-0.5	Total/NA	Solid	3545	
570-7095-23	COMP3-2	Total/NA	Solid	3545	
570-7095-27	COMP4-0.5	Total/NA	Solid	3545	
570-7095-31	COMP4-2	Total/NA	Solid	3545	
570-7095-36	BACOMP1-1	Total/NA	Solid	3545	
570-7095-41	BACOMP1-2	Total/NA	Solid	3545	
MB 570-18776/1-A	Method Blank	Total/NA	Solid	3545	
LCS 570-18776/5-A	Lab Control Sample	Total/NA	Solid	3545	
570-7095-4 MS	COMP1-2	Total/NA	Solid	3545	
570-7095-4 MSD	COMP1-2	Total/NA	Solid	3545	

Analysis Batch: 18886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-4	COMP1-2	Total/NA	Solid	8082	18776
MB 570-18776/1-A	Method Blank	Total/NA	Solid	8082	18776
LCS 570-18776/5-A	Lab Control Sample	Total/NA	Solid	8082	18776
570-7095-4 MS	COMP1-2	Total/NA	Solid	8082	18776
570-7095-4 MSD	COMP1-2	Total/NA	Solid	8082	18776

Prep Batch: 18985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-42	EB-1	Total/NA	Water	3510C	
MB 570-18985/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-18985/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-18985/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 19348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-42	EB-1	Total/NA	Water	8082	18985
MB 570-18985/1-A	Method Blank	Total/NA	Water	8082	18985
LCS 570-18985/2-A	Lab Control Sample	Total/NA	Water	8082	18985
LCSD 570-18985/3-A	Lab Control Sample Dup	Total/NA	Water	8082	18985

Analysis Batch: 19607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-9	COMP2-0.5	Total/NA	Solid	8082	18776
570-7095-23	COMP3-2	Total/NA	Solid	8082	18776
570-7095-27	COMP4-0.5	Total/NA	Solid	8082	18776
570-7095-31	COMP4-2	Total/NA	Solid	8082	18776
570-7095-36	BACOMP1-1	Total/NA	Solid	8082	18776

Analysis Batch: 19930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-5	COMP1-2 DUP	Total/NA	Solid	8082	18776
570-7095-13	COMP2-2	Total/NA	Solid	8082	18776
570-7095-18	COMP3-0.5	Total/NA	Solid	8082	18776
570-7095-41	BACOMP1-2	Total/NA	Solid	8082	18776

Metals

Prep Batch: 19259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-4	COMP1-2	Total/NA	Solid	7471A	
570-7095-5	COMP1-2 DUP	Total/NA	Solid	7471A	
570-7095-9	COMP2-0.5	Total/NA	Solid	7471A	
570-7095-13	COMP2-2	Total/NA	Solid	7471A	
570-7095-18	COMP3-0.5	Total/NA	Solid	7471A	
570-7095-23	COMP3-2	Total/NA	Solid	7471A	
570-7095-27	COMP4-0.5	Total/NA	Solid	7471A	
570-7095-31	COMP4-2	Total/NA	Solid	7471A	
570-7095-36	BACOMP1-1	Total/NA	Solid	7471A	
570-7095-41	BACOMP1-2	Total/NA	Solid	7471A	
MB 570-19259/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-19259/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-19259/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
570-7095-4 MS	COMP1-2	Total/NA	Solid	7471A	
570-7095-4 MSD	COMP1-2	Total/NA	Solid	7471A	

Prep Batch: 19279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-4	COMP1-2	Total/NA	Solid	3050B	
570-7095-5	COMP1-2 DUP	Total/NA	Solid	3050B	
570-7095-9	COMP2-0.5	Total/NA	Solid	3050B	
570-7095-13	COMP2-2	Total/NA	Solid	3050B	
570-7095-18	COMP3-0.5	Total/NA	Solid	3050B	
570-7095-23	COMP3-2	Total/NA	Solid	3050B	
570-7095-27	COMP4-0.5	Total/NA	Solid	3050B	
570-7095-31	COMP4-2	Total/NA	Solid	3050B	
570-7095-36	BACOMP1-1	Total/NA	Solid	3050B	
570-7095-41	BACOMP1-2	Total/NA	Solid	3050B	
MB 570-19279/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 570-19279/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-19279/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
570-7095-4 MS	COMP1-2	Total/NA	Solid	3050B	
570-7095-4 MSD	COMP1-2	Total/NA	Solid	3050B	

Analysis Batch: 19507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-4	COMP1-2	Total/NA	Solid	7471A	19259
570-7095-5	COMP1-2 DUP	Total/NA	Solid	7471A	19259
570-7095-9	COMP2-0.5	Total/NA	Solid	7471A	19259
570-7095-13	COMP2-2	Total/NA	Solid	7471A	19259
570-7095-18	COMP3-0.5	Total/NA	Solid	7471A	19259
570-7095-23	COMP3-2	Total/NA	Solid	7471A	19259
570-7095-27	COMP4-0.5	Total/NA	Solid	7471A	19259
570-7095-31	COMP4-2	Total/NA	Solid	7471A	19259
570-7095-36	BACOMP1-1	Total/NA	Solid	7471A	19259
570-7095-41	BACOMP1-2	Total/NA	Solid	7471A	19259
MB 570-19259/1-A	Method Blank	Total/NA	Solid	7471A	19259
LCS 570-19259/2-A	Lab Control Sample	Total/NA	Solid	7471A	19259
LCSD 570-19259/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	19259
570-7095-4 MS	COMP1-2	Total/NA	Solid	7471A	19259
570-7095-4 MSD	COMP1-2	Total/NA	Solid	7471A	19259

Metals

Prep Batch: 20030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-42	EB-1	Total/NA	Water	7470A	
MB 570-20030/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-20030/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-20030/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
570-7346-E-16-B MS	Matrix Spike	Total/NA	Water	7470A	
570-7346-E-16-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 20032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-42	EB-1	Total/NA	Water	3010A	
MB 570-20032/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-20032/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-20032/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-7346-E-15-C MS	Matrix Spike	Total/NA	Water	3010A	
570-7346-E-15-D MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 20073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-42	EB-1	Total/NA	Water	7470A	20030
MB 570-20030/1-A	Method Blank	Total/NA	Water	7470A	20030
LCS 570-20030/2-A	Lab Control Sample	Total/NA	Water	7470A	20030
LCSD 570-20030/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	20030
570-7346-E-16-B MS	Matrix Spike	Total/NA	Water	7470A	20030
570-7346-E-16-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	20030

Analysis Batch: 20355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-42	EB-1	Total/NA	Water	6010B	20032
MB 570-20032/1-A	Method Blank	Total/NA	Water	6010B	20032
LCS 570-20032/2-A	Lab Control Sample	Total/NA	Water	6010B	20032
LCSD 570-20032/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	20032
570-7346-E-15-C MS	Matrix Spike	Total/NA	Water	6010B	20032
570-7346-E-15-D MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	20032

Analysis Batch: 21277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-4	COMP1-2	Total/NA	Solid	6010B	19279
570-7095-5	COMP1-2 DUP	Total/NA	Solid	6010B	19279
570-7095-9	COMP2-0.5	Total/NA	Solid	6010B	19279
570-7095-13	COMP2-2	Total/NA	Solid	6010B	19279
570-7095-18	COMP3-0.5	Total/NA	Solid	6010B	19279
570-7095-23	COMP3-2	Total/NA	Solid	6010B	19279
570-7095-27	COMP4-0.5	Total/NA	Solid	6010B	19279
570-7095-31	COMP4-2	Total/NA	Solid	6010B	19279
570-7095-36	BACOMP1-1	Total/NA	Solid	6010B	19279
570-7095-41	BACOMP1-2	Total/NA	Solid	6010B	19279
MB 570-19279/1-A	Method Blank	Total/NA	Solid	6010B	19279
LCS 570-19279/2-A	Lab Control Sample	Total/NA	Solid	6010B	19279
LCSD 570-19279/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	19279
570-7095-4 MS	COMP1-2	Total/NA	Solid	6010B	19279
570-7095-4 MSD	COMP1-2	Total/NA	Solid	6010B	19279

QC Association Summary

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Organic Prep

Analysis Batch: 18769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-7095-1	S4-2	Total/NA	Solid	Composite	
570-7095-2	S5-2	Total/NA	Solid	Composite	
570-7095-3	S3-2	Total/NA	Solid	Composite	
570-7095-6	S7-0.5	Total/NA	Solid	Composite	
570-7095-7	S8-0.5	Total/NA	Solid	Composite	
570-7095-8	S9-0.5	Total/NA	Solid	Composite	
570-7095-10	S7-2	Total/NA	Solid	Composite	
570-7095-11	S8-2	Total/NA	Solid	Composite	
570-7095-12	S9-2	Total/NA	Solid	Composite	
570-7095-14	S10-0.5	Total/NA	Solid	Composite	
570-7095-15	S11-0.5	Total/NA	Solid	Composite	
570-7095-16	S12-0.5	Total/NA	Solid	Composite	
570-7095-17	S13-0.5	Total/NA	Solid	Composite	
570-7095-19	S10-2	Total/NA	Solid	Composite	
570-7095-20	S11-2	Total/NA	Solid	Composite	
570-7095-21	S12-2	Total/NA	Solid	Composite	
570-7095-22	S13-2	Total/NA	Solid	Composite	
570-7095-24	S14-0.5	Total/NA	Solid	Composite	
570-7095-25	S15-0.5	Total/NA	Solid	Composite	
570-7095-26	S16-0.5	Total/NA	Solid	Composite	
570-7095-28	S14-2	Total/NA	Solid	Composite	
570-7095-29	S15-2	Total/NA	Solid	Composite	
570-7095-30	S16-2	Total/NA	Solid	Composite	
570-7095-32	BA1-1	Total/NA	Solid	Composite	
570-7095-33	BA2-1	Total/NA	Solid	Composite	
570-7095-34	BA3-1	Total/NA	Solid	Composite	
570-7095-35	BA4-1	Total/NA	Solid	Composite	
570-7095-37	BA1-2	Total/NA	Solid	Composite	
570-7095-38	BA2-2	Total/NA	Solid	Composite	
570-7095-39	BA3-2	Total/NA	Solid	Composite	
570-7095-40	BA4-2	Total/NA	Solid	Composite	

Lab Chronicle

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Client Sample ID: S4-2
Date Collected: 09/10/19 08:38
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S5-2
Date Collected: 09/10/19 08:58
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S3-2
Date Collected: 09/10/19 09:41
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: COMP1-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3545			20.00 g	10 mL	18776	09/12/19 17:07	F7UI	ECL 1
Total/NA	Analysis	8082		1			18886	09/13/19 11:37	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.06 g	100 mL	19279	09/17/19 12:57	MD3A	ECL 1
Total/NA	Analysis	6010B		1			21277	09/24/19 01:15	ZX3J	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.63 g	100 mL	19259	09/16/19 15:00	MD3A	ECL 1
Total/NA	Analysis	7471A		1			19507	09/16/19 18:57	I3IN	ECL 1
	Instrument ID: HG8									

Client Sample ID: COMP1-2 DUP
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3545			20.00 g	10 mL	18776	09/12/19 17:07	F7UI	ECL 1
Total/NA	Analysis	8082		1			19930	09/18/19 11:58	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.95 g	100 mL	19279	09/17/19 12:57	MD3A	ECL 1
Total/NA	Analysis	6010B		1			21277	09/24/19 01:21	ZX3J	ECL 1
	Instrument ID: ICP8									

Lab Chronicle

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Client Sample ID: COMP1-2 DUP
Lab Sample ID: 570-7095-5
Date Collected: 09/10/19 00:00
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.58 g	100 mL	19259	09/16/19 15:00	MD3A	ECL 1
Total/NA	Analysis	7471A		1			19507	09/16/19 19:04	I3IN	ECL 1
	Instrument ID: HG8									

Client Sample ID: S7-0.5
Lab Sample ID: 570-7095-6
Date Collected: 09/10/19 12:45
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S8-0.5
Lab Sample ID: 570-7095-7
Date Collected: 09/10/19 12:20
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S9-0.5
Lab Sample ID: 570-7095-8
Date Collected: 09/10/19 10:05
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: COMP2-0.5
Lab Sample ID: 570-7095-9
Date Collected: 09/10/19 00:00
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3545			20.03 g	10 mL	18776	09/12/19 17:07	F7UI	ECL 1
Total/NA	Analysis	8082		1			19607	09/17/19 19:01	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.99 g	100 mL	19279	09/17/19 12:57	MD3A	ECL 1
Total/NA	Analysis	6010B		1			21277	09/24/19 01:23	ZX3J	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.60 g	100 mL	19259	09/16/19 15:00	MD3A	ECL 1
Total/NA	Analysis	7471A		1			19507	09/16/19 19:07	I3IN	ECL 1
	Instrument ID: HG8									

Lab Chronicle

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Client Sample ID: S7-2
Lab Sample ID: 570-7095-10
Date Collected: 09/10/19 12:46
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S8-2
Lab Sample ID: 570-7095-11
Date Collected: 09/10/19 12:21
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S9-2
Lab Sample ID: 570-7095-12
Date Collected: 09/10/19 10:06
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: COMP2-2
Lab Sample ID: 570-7095-13
Date Collected: 09/10/19 00:00
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3545			20.04 g	10 mL	18776	09/12/19 17:07	F7UI	ECL 1
Total/NA	Analysis	8082		1			19930	09/18/19 12:16	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.00 g	100 mL	19279	09/17/19 12:57	MD3A	ECL 1
Total/NA	Analysis	6010B		1			21277	09/24/19 01:24	ZX3J	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.61 g	100 mL	19259	09/16/19 15:00	MD3A	ECL 1
Total/NA	Analysis	7471A		1			19507	09/16/19 19:09	I3IN	ECL 1
	Instrument ID: HG8									

Client Sample ID: S10-0.5
Lab Sample ID: 570-7095-14
Date Collected: 09/10/19 11:58
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Client Sample ID: S11-0.5
Date Collected: 09/10/19 10:25
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S12-0.5
Date Collected: 09/10/19 11:15
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S13-0.5
Date Collected: 09/10/19 11:04
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: COMP3-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3545			20.05 g	10 mL	18776	09/12/19 17:07	F7UI	ECL 1
Total/NA	Analysis	8082		1	1 mL	1.0 mL	19930	09/18/19 12:34	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.99 g	100 mL	19279	09/17/19 12:57	MD3A	ECL 1
Total/NA	Analysis	6010B		1			21277	09/24/19 01:32	ZX3J	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.61 g	100 mL	19259	09/16/19 15:00	MD3A	ECL 1
Total/NA	Analysis	7471A		1			19507	09/16/19 19:11	I3IN	ECL 1
	Instrument ID: HG8									

Client Sample ID: S10-2
Date Collected: 09/10/19 11:59
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Client Sample ID: S11-2
Date Collected: 09/10/19 10:26
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S12-2
Date Collected: 09/10/19 11:16
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S13-2
Date Collected: 09/10/19 11:05
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: COMP3-2
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3545			20.06 g	10 mL	18776	09/12/19 17:07	F7UI	ECL 1
Total/NA	Analysis	8082		1			19607	09/17/19 19:55	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.95 g	100 mL	19279	09/17/19 12:57	MD3A	ECL 1
Total/NA	Analysis	6010B		1			21277	09/24/19 01:34	ZX3J	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.61 g	100 mL	19259	09/16/19 15:00	MD3A	ECL 1
Total/NA	Analysis	7471A		1			19507	09/16/19 19:13	I3IN	ECL 1
	Instrument ID: HG8									

Client Sample ID: S14-0.5
Date Collected: 09/10/19 13:00
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Client Sample ID: S15-0.5
Date Collected: 09/10/19 11:36
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S16-0.5
Date Collected: 09/10/19 10:45
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: COMP4-0.5
Date Collected: 09/10/19 00:00
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3545			20.07 g	10 mL	18776	09/12/19 17:07	F7UI	ECL 1
Total/NA	Analysis	8082		1			19607	09/17/19 20:12	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.05 g	100 mL	19279	09/17/19 12:57	MD3A	ECL 1
Total/NA	Analysis	6010B		1			21277	09/24/19 01:36	ZX3J	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.60 g	100 mL	19259	09/16/19 15:00	MD3A	ECL 1
Total/NA	Analysis	7471A		1			19507	09/16/19 19:16	I3IN	ECL 1
	Instrument ID: HG8									

Client Sample ID: S14-2
Date Collected: 09/10/19 13:01
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: S15-2
Date Collected: 09/10/19 11:37
Date Received: 09/11/19 15:03

Lab Sample ID: 570-7095-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Client Sample ID: S16-2
Lab Sample ID: 570-7095-30
Date Collected: 09/10/19 10:46
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: COMP4-2
Lab Sample ID: 570-7095-31
Date Collected: 09/10/19 00:00
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3545			20.08 g	10 mL	18776	09/12/19 17:07	F7UI	ECL 1
Total/NA	Analysis	8082		1			19607	09/17/19 20:31	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.00 g	100 mL	19279	09/17/19 12:57	MD3A	ECL 1
Total/NA	Analysis	6010B		1			21277	09/24/19 01:38	ZX3J	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.61 g	100 mL	19259	09/16/19 15:00	MD3A	ECL 1
Total/NA	Analysis	7471A		1			19507	09/16/19 19:23	I3IN	ECL 1
	Instrument ID: HG8									

Client Sample ID: BA1-1
Lab Sample ID: 570-7095-32
Date Collected: 09/10/19 14:25
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: BA2-1
Lab Sample ID: 570-7095-33
Date Collected: 09/10/19 14:35
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: BA3-1
Lab Sample ID: 570-7095-34
Date Collected: 09/10/19 14:00
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Client Sample ID: BA4-1
Lab Sample ID: 570-7095-35
Date Collected: 09/10/19 14:15
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: BACOMP1-1
Lab Sample ID: 570-7095-36
Date Collected: 09/10/19 00:00
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3545			20.09 g	10 mL	18776	09/12/19 17:07	F7UI	ECL 1
Total/NA	Analysis	8082		1			19607	09/17/19 20:48	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			2.08 g	100 mL	19279	09/17/19 12:57	MD3A	ECL 1
Total/NA	Analysis	6010B		1			21277	09/24/19 01:39	ZX3J	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.58 g	100 mL	19259	09/16/19 15:00	MD3A	ECL 1
Total/NA	Analysis	7471A		1			19507	09/16/19 19:25	I3IN	ECL 1
	Instrument ID: HG8									

Client Sample ID: BA1-2
Lab Sample ID: 570-7095-37
Date Collected: 09/10/19 14:26
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: BA2-2
Lab Sample ID: 570-7095-38
Date Collected: 09/10/19 14:36
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: BA3-2
Lab Sample ID: 570-7095-39
Date Collected: 09/10/19 14:01
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:12	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Client Sample ID: BA4-2
Lab Sample ID: 570-7095-40
Date Collected: 09/10/19 14:16
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Composite		1			18769	09/12/19 14:15	C4LT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: BACOMP1-2
Lab Sample ID: 570-7095-41
Date Collected: 09/10/19 00:00
Matrix: Solid
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3545			20.10 g	10 mL	18776	09/12/19 17:07	F7UI	ECL 1
Total/NA	Analysis	8082		1			19930	09/18/19 12:52	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3050B			1.99 g	100 mL	19279	09/17/19 12:57	MD3A	ECL 1
Total/NA	Analysis	6010B		1			21277	09/24/19 01:41	ZX3J	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7471A			0.59 g	100 mL	19259	09/16/19 15:00	MD3A	ECL 1
Total/NA	Analysis	7471A		1			19507	09/16/19 19:27	I3IN	ECL 1
	Instrument ID: HG8									

Client Sample ID: EB-1
Lab Sample ID: 570-7095-42
Date Collected: 09/10/19 15:00
Matrix: Water
Date Received: 09/11/19 15:03

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1041.5 mL	5 mL	18985	09/13/19 10:18	OAJ3	ECL 1
Total/NA	Analysis	8082		1			19348	09/16/19 15:58	UHHN	ECL 1
	Instrument ID: GC58									
Total/NA	Prep	3010A			50 mL	50 mL	20032	09/18/19 08:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			20355	09/18/19 22:32	ZX3J	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	20030	09/18/19 12:00	WL8G	ECL 1
Total/NA	Analysis	7470A		1			20073	09/18/19 16:43	I3IN	ECL 1
	Instrument ID: HG8									

Laboratory References:
ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
California	State Program	2944	09-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Client: Dudek & Associates
Job ID: 570-7095-1
Project/Site: RCCD Norco Veteran Center

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7470A	Mercury (CVAA)	SW846	ECL 1
7471A	Mercury (CVAA)	SW846	ECL 1
Composite	Sample Composite for Organic Extraction	None	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
3545	Pressurized Fluid Extraction	SW846	ECL 1
7470A	Preparation, Mercury	SW846	ECL 1
7471A	Preparation, Mercury	SW846	ECL 1

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-7095-1	S4-2	Solid	09/10/19 08:38	09/11/19 15:03	
570-7095-2	S5-2	Solid	09/10/19 08:58	09/11/19 15:03	
570-7095-3	S3-2	Solid	09/10/19 09:41	09/11/19 15:03	
570-7095-4	COMP1-2	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-5	COMP1-2 DUP	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-6	S7-0.5	Solid	09/10/19 12:45	09/11/19 15:03	
570-7095-7	S8-0.5	Solid	09/10/19 12:20	09/11/19 15:03	
570-7095-8	S9-0.5	Solid	09/10/19 10:05	09/11/19 15:03	
570-7095-9	COMP2-0.5	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-10	S7-2	Solid	09/10/19 12:46	09/11/19 15:03	
570-7095-11	S8-2	Solid	09/10/19 12:21	09/11/19 15:03	
570-7095-12	S9-2	Solid	09/10/19 10:06	09/11/19 15:03	
570-7095-13	COMP2-2	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-14	S10-0.5	Solid	09/10/19 11:58	09/11/19 15:03	
570-7095-15	S11-0.5	Solid	09/10/19 10:25	09/11/19 15:03	
570-7095-16	S12-0.5	Solid	09/10/19 11:15	09/11/19 15:03	
570-7095-17	S13-0.5	Solid	09/10/19 11:04	09/11/19 15:03	
570-7095-18	COMP3-0.5	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-19	S10-2	Solid	09/10/19 11:59	09/11/19 15:03	
570-7095-20	S11-2	Solid	09/10/19 10:26	09/11/19 15:03	
570-7095-21	S12-2	Solid	09/10/19 11:16	09/11/19 15:03	
570-7095-22	S13-2	Solid	09/10/19 11:05	09/11/19 15:03	
570-7095-23	COMP3-2	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-24	S14-0.5	Solid	09/10/19 13:00	09/11/19 15:03	
570-7095-25	S15-0.5	Solid	09/10/19 11:36	09/11/19 15:03	
570-7095-26	S16-0.5	Solid	09/10/19 10:45	09/11/19 15:03	
570-7095-27	COMP4-0.5	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-28	S14-2	Solid	09/10/19 13:01	09/11/19 15:03	
570-7095-29	S15-2	Solid	09/10/19 11:37	09/11/19 15:03	
570-7095-30	S16-2	Solid	09/10/19 10:46	09/11/19 15:03	
570-7095-31	COMP4-2	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-32	BA1-1	Solid	09/10/19 14:25	09/11/19 15:03	
570-7095-33	BA2-1	Solid	09/10/19 14:35	09/11/19 15:03	
570-7095-34	BA3-1	Solid	09/10/19 14:00	09/11/19 15:03	
570-7095-35	BA4-1	Solid	09/10/19 14:15	09/11/19 15:03	
570-7095-36	BACOMP1-1	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-37	BA1-2	Solid	09/10/19 14:26	09/11/19 15:03	
570-7095-38	BA2-2	Solid	09/10/19 14:36	09/11/19 15:03	
570-7095-39	BA3-2	Solid	09/10/19 14:01	09/11/19 15:03	
570-7095-40	BA4-2	Solid	09/10/19 14:16	09/11/19 15:03	
570-7095-41	BACOMP1-2	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-42	EB-1	Water	09/10/19 15:00	09/11/19 15:03	

7095

eurofins | Calscience

570-7095 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE: 9/10/19

PAGE: 1 OF 5

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: Dudek

ADDRESS: 750 Second Street

CITY: Encinitas STATE: CA ZIP: 92024

TEL: 760-840-7526 E-MAIL: ssmith@dudek.com

CLIENT PROJECT NAME / NUMBER: RCCD Norco

P.O. NO.: 11283

PROJECT CONTACT: Susie Smith

SAMPLER(S): (PRINT) Divya Khandelwal, Susie Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PCBs (8082)	Dioxins & Furans (8290)	T22 Metals ☒ 6010/747X ☐ 6020/747X
1	S4-2	9/10/19	0838	soil	1	X					
2	S5-2	9/10/19	0858	soil	1	X					
3	S3-2	9/10/19	0941	soil	1	X					
4	COMP1-2								X	X	X
5	COMP1-2 DUP								X	X	X
6	S7-0.5	9/10/19	1245	soil	1	X					
7	S8-0.5	9/10/19	1220	soil	1	X					
8	S9-0.5	9/10/19	1005	soil	1	X					
9	COMP2-0.5								X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	Dunnyle EC	9/11/19	15:03
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

3.8/4.0 4.1/4.3 SC6

06/02/14 Revision

9/25/2019

7095

CHAIN OF CUSTODY RECORD

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

WO # / LAB USE ONLY:

DATE: 9/10/19

PAGE: 2 OF 5

LABORATORY CLIENT: Dudek	CLIENT PROJECT NAME / NUMBER: RCCD Norco
ADDRESS: 750 Second Street	P.O. NO.: 11283
CITY: Encinitas STATE: CA ZIP: 92024	PROJECT CONTACT: Susie Smith
TEL: 760-840-7526 E-MAIL: ssmith@dudek.com	SAMPLER(S): (PRINT) Divya Khandelwal, Susie Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PCBs (8082)	Dioxins & Furans (8290)	T22 Metals ☒ 6010/747X ☐ 6020/747X
10	S7-2	9/10/19	1246	Soil	1	X					
11	S8-2	9/10/19	1221	Soil	1	X					
12	S9-2	9/10/19	1006	Soil	1	X					
13	COMP2-2								X	X	X
14	S10-0.5	9/10/19	1158	Soil	1	X					
15	S11-0.5	9/10/19	1025	Soil	1	X					
16	S12-0.5	9/10/19	1115	Soil	1	X					
17	S13-0.5	9/10/19	1104	Soil	1	X					
18	COMP3-0.5								X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle EL	Date: 9/11/19	Time: 15:03
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

9/25/2019

06/02/14 Revision

7095

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

WO # / LAB USE ONLY:

CHAIN OF CUSTODY RECORD

DATE: 9/10/19

PAGE: 3 OF 5

LABORATORY CLIENT: Dudek	CLIENT PROJECT NAME / NUMBER: RCCD Norco
ADDRESS: 750 Second Street	P.O. NO.: 11283
CITY: Encinitas STATE: CA ZIP: 92024	PROJECT CONTACT: Susie Smith
TEL: 760-840-7526 E-MAIL: ssmith@dudek.com	SAMPLER(S): (PRINT) Divya Khandelwal, Susie Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PCBs (8082)	Dioxins & Furans (8290)	T22 Metals ☒ 6010/747X ☐ 6020/747X
19	S10-2	9/10/19	1159	Soil	1	X					
20	S11-2	9/10/19	1026	Soil	1	X					
21	S12-2	9/10/19	1116	Soil	1	X					
22	S13-2	9/10/19	1105	Soil	1	X					
23	COMP3-2								X	X	X
24	S14-0.5	9/10/19	1300	Soil	1	X					
25	S15-0.5	9/10/19	1136	Soil	1	X					
26	S16-0.5	9/10/19	1045	Soil	1	X					
27	COMP4-0.5								X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle Ez	Date: 9/11/19	Time: 15:03
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Page 5 of 5

9/25/2019

06/02/14 Revision

7095

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY:

DATE: 9/10/19

PAGE: 4 OF 5

LABORATORY CLIENT: Dudek	CLIENT PROJECT NAME / NUMBER: RCCD Norco
ADDRESS: 750 Second Street	P.O. NO.: 11283
CITY: Encinitas STATE: CA ZIP: 92024	PROJECT CONTACT: Susie Smith
TEL: 760-840-7526 E-MAIL: ssmith@dudek.com	SAMPLER(S): (PRINT) Divya Khandelwal, Susie Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PCBs (8082)	Dioxins & Furans (8290)	T22 Metals ☒ 6010/747X ☐ 6020/747X
28	S14-2	9/10/19	1301	soil	1	X					
29	S15-2	9/10/19	1137	soil	1	X					
30	S16-2	9/10/19	1046	soil	1	X					
31	COMP4-2								X	X	X
32	BA1-1	9/10/19	1425	soil	1	X					
33	BA2-1	9/10/19	1435	soil	1	X					
34	BA3-1	9/10/19	1400	soil	1	X					
35	BA4-1	9/10/19	1415	soil	1	X					
36	BACOMP1-1								X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle Co	Date: 9/11/19	Time: 15:03
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Page 55 of 57

9/25/2019

06/02/14 Revision

7095

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

WO # / LAB USE ONLY

CHAIN OF CUSTODY RECORD

DATE: 9/10/19

PAGE: 5 OF 5

LABORATORY CLIENT: Dudek	CLIENT PROJECT NAME / NUMBER: RCCD Norco
ADDRESS: 750 Second Street	P.O. NO.: 11283
CITY: Encinitas STATE: CA ZIP: 92024	PROJECT CONTACT: Susie Smith
TEL: 760-840-7526 E-MAIL: ssmith@dudek.com	SAMPLER(S): (PRINT) Divya Khandelwal, Susie Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PCBs (8082)	Dioxins & Furans (8290)	T22 Metals (☒ 6010/747X ☐ 6020/747X)
37	BA 1-2	9/10/19	1426	Soil	1	X					
38	BA 2-2	9/10/19	1436	Soil	1	X					
39	BA 3-2	9/10/19	1401	Soil	1	X					
40	BA 4-2	9/10/19	1416	Soil	1	X					
41	BACOMP1-2								X	X	X
42	EB-1	9/10/19	1500	AQ	4	X			X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle EL	Date: 9/11/19	Time: 15:03
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Page 5 of 5

06/02/2014

06/02/14 Revision

Login Sample Receipt Checklist

Client: Dudek & Associates

Job Number: 570-7095-1

Login Number: 7095
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	False	Improper containers received.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins Calscience
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-7095-2
Client Project/Site: RCCD Norco Veteran Center

For:
Dudek & Associates
605 3rd Street
Encinitas, California 92024

Attn: Susan Smith

Authorized for release by:
10/4/2019 10:21:00 AM

Lori Thompson, Project Manager I
(714)895-5494
lorithompson@eurofinsus.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Certification Summary 6
Method Summary 7
Sample Summary 8
Subcontract Data 9
Chain of Custody 33
Receipt Checklists 38

Definitions/Glossary

Client: Dudek & Associates
Job ID: 570-7095-2
Project/Site: RCCD Norco Veteran Center

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 570-7095-2

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-7095-2

Comments
No additional comments.

Receipt
The samples were received on 9/11/2019 3:03 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.0º C and 4.3º C.

Lab Admin
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Subcontract Work
Method 8290 Dioxins & Furans: This method was subcontracted to Frontier Analytical Laboratory. The subcontract laboratory certification is different from that of the facility issuing the final report.

Detection Summary

Client: Dudek & Associates
Job ID: 570-7095-2
Project/Site: RCCD Norco Veteran Center

Client Sample ID: COMP1-2 — Lab Sample ID: 570-7095-4

No Detections.

Client Sample ID: COMP1-2 DUP — Lab Sample ID: 570-7095-5

No Detections.

Client Sample ID: COMP2-0.5 — Lab Sample ID: 570-7095-9

No Detections.

Client Sample ID: COMP2-2 — Lab Sample ID: 570-7095-13

No Detections.

Client Sample ID: COMP3-0.5 — Lab Sample ID: 570-7095-18

No Detections.

Client Sample ID: COMP3-2 — Lab Sample ID: 570-7095-23

No Detections.

Client Sample ID: COMP4-0.5 — Lab Sample ID: 570-7095-27

No Detections.

Client Sample ID: COMP4-2 — Lab Sample ID: 570-7095-31

No Detections.

Client Sample ID: BACOMP1-1 — Lab Sample ID: 570-7095-36

No Detections.

Client Sample ID: BACOMP1-2 — Lab Sample ID: 570-7095-41

No Detections.

Client Sample ID: EB-1 — Lab Sample ID: 570-7095-42

No Detections.

This Detection Summary does not include radiochemical test results.

Accreditation/Certification Summary

Client: Dudek & Associates
Job ID: 570-7095-2
Project/Site: RCCD Norco Veteran Center

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State Program	AZ0781	03-13-20
California	SCAQMD LAP	N/A	11-30-19
Guam	State Program	19-004R	10-31-19
Hawaii	State Program	N/A	01-29-20
Oregon	NELAP Primary AB	CA300001	01-20-20
Washington	State Program	C916	10-11-19

Method Summary

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-2

Method	Method Description	Protocol	Laboratory
8290	SW846 8290 Dioxins	SW846	Frontier

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

Frontier = Frontier Analytical Laboratory, 5172 Hillsdale Circle, El Dorado Hills, CA 95762

Sample Summary

Client: Dudek & Associates
Project/Site: RCCD Norco Veteran Center

Job ID: 570-7095-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-7095-4	COMP1-2	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-5	COMP1-2 DUP	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-9	COMP2-0.5	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-13	COMP2-2	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-18	COMP3-0.5	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-23	COMP3-2	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-27	COMP4-0.5	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-31	COMP4-2	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-36	BACOMP1-1	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-41	BACOMP1-2	Solid	09/10/19 00:00	09/11/19 15:03	
570-7095-42	EB-1	Water	09/10/19 15:00	09/11/19 15:03	

October 4, 2019

FAL Project: 12653

Ms. Lori Thompson
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427

Dear Ms. Thompson,

The following results are associated with Frontier Analytical Laboratory (FAL) project **12653**. This corresponds to your project number **570-7095**. One aqueous sample and ten solid samples were received on 9/13/2019 at FAL. All eleven samples were extracted and analyzed by EPA Method 8290 for tetra through octa chlorinated dibenzo dioxins and furans. The toxic equivalency (TEQ) for your samples has been calculated using the 2005 World Health Organization's toxic equivalency factors. Eurofins Calscience Inc. requested a fifteen business day turnaround time for project **12653**.

The following report consists of an Analytical Data section and a Sample Receipt section. The Analytical Data section contains our sample tracking log and the analytical results. The Sample Receipt section contains your chain of custody, our sample login form and a sample photo. The attached results are specifically for the sample referenced in this report only. These results meet all National Environmental Laboratory Accreditation Program (NELAP) requirements and shall not be reproduced except in full. Frontier Analytical Laboratory's State of Oregon NELAP certificate number is **4041** and our State of California ELAP certificate number is **2934**. This report and the associated EDD have been emailed to you. A hardcopy of this report will not be sent to you unless specifically requested.

If you have any questions regarding project **12653**, please contact me at (916) 934-0900. Thank you for choosing Frontier Analytical Laboratory for your analytical testing needs.

Sincerely,

Bradley B. Silverbush
Director of Operations

Frontier Analytical Laboratory

Sample Tracking Log

FAL Project ID: **12653**

Received on: **09/13/2019** Project Due: **10/07/2019** Storage: **R-4**

FAL Sample ID	Dup	Client Project ID	Client Sample ID	Requested Method	Matrix	Sampling Date	Sampling Time	Hold Time Due Date
12653-001-SA	1	570-7095	EB-1 (570-7095-42)	EPA 8290 D/F	Aqueous	09/10/2019	03:00 pm	10/10/2019
12653-002-SA	0	570-7095	COMP1-2 (570-7095-4)	EPA 8290 D/F	Solid	09/10/2019	NP	10/10/2019
12653-003-SA	0	570-7095	COMP1-2 DUP (570-7095-5)	EPA 8290 D/F	Solid	09/10/2019	NP	10/10/2019
12653-004-SA	0	570-7095	COMP2-0.5 (570-7095-9)	EPA 8290 D/F	Solid	09/10/2019	NP	10/10/2019
12653-005-SA	0	570-7095	COMP2-2 (570-7095-13)	EPA 8290 D/F	Solid	09/10/2019	NP	10/10/2019
12653-006-SA	0	570-7095	COMP3-0.5 (570-7095-18)	EPA 8290 D/F	Solid	09/10/2019	NP	10/10/2019
12653-007-SA	0	570-7095	COMP3-2 (570-7095-23)	EPA 8290 D/F	Solid	09/10/2019	NP	10/10/2019
12653-008-SA	0	570-7095	COMP4-0.5 (570-7095-27)	EPA 8290 D/F	Solid	09/10/2019	NP	10/10/2019
12653-009-SA	0	570-7095	COMP4-2 (570-7095-31)	EPA 8290 D/F	Solid	09/10/2019	NP	10/10/2019
12653-010-SA	0	570-7095	BACOMP1-1 (570-7095-36)	EPA 8290 D/F	Solid	09/10/2019	NP	10/10/2019
12653-011-SA	0	570-7095	BACOMP1-2 (570-7095-41)	EPA 8290 D/F	Solid	09/10/2019	NP	10/10/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-001-MB
Client ID: Method Blank
Matrix: Aqueous
Batch No: X5058

Date Extracted: 09-18-2019
Date Received: NA
Amount: 1.000 L

ICal: pcddfal3-8-22-19
GC Column: DB5MS
Units: pg/L

Acquired: 09-24-2019
2005 WHO TEQ: 0.0

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.785		-	0.214				
1,2,3,7,8-PeCDD	ND	0.967		-	0.387				
1,2,3,4,7,8-HxCDD	ND	1.74		-	0.447				
1,2,3,6,7,8-HxCDD	ND	1.77		-	0.477	Total TCDD	ND	0.785	
1,2,3,7,8,9-HxCDD	ND	1.64		-	0.444	Total PeCDD	ND	0.967	
1,2,3,4,6,7,8-HpCDD	ND	1.88		-	0.572	Total HxCDD	ND	1.77	
OCDD	ND	3.35		-	1.12	Total HpCDD	ND	1.88	
2,3,7,8-TCDF	ND	0.674		-	0.206				
1,2,3,7,8-PeCDF	ND	1.11		-	0.326				
2,3,4,7,8-PeCDF	ND	1.21		-	0.341				
1,2,3,4,7,8-HxCDF	ND	0.799		-	0.317				
1,2,3,6,7,8-HxCDF	ND	0.839		-	0.330				
2,3,4,6,7,8-HxCDF	ND	0.817		-	0.350				
1,2,3,7,8,9-HxCDF	ND	0.910		-	0.399	Total TCDF	ND	0.674	
1,2,3,4,6,7,8-HpCDF	ND	0.760		-	0.301	Total PeCDF	ND	1.21	
1,2,3,4,7,8,9-HpCDF	ND	0.892		-	0.445	Total HxCDF	ND	0.910	
OCDF	ND	2.06		-	0.717	Total HpCDF	ND	0.892	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	111	40.0 - 135	
13C-1,2,3,7,8-PeCDD	111	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	105	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	105	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	113	40.0 - 135	
13C-OCDD	109	40.0 - 135	
13C-2,3,7,8-TCDF	111	40.0 - 135	
13C-1,2,3,7,8-PeCDF	117	40.0 - 135	
13C-2,3,4,7,8-PeCDF	118	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	111	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	112	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	113	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	125	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	109	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	115	40.0 - 135	
13C-OCDF	115	40.0 - 135	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	117	50.0 - 150	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-001-OPR
Client ID: OPR
Matrix: Aqueous
Batch No: X5058

Date Extracted: 09-18-2019
Date Received: NA
Amount: 1.000 L

ICal: pcddfal3-8-22-19
GC Column: DB5MS
Units: ng/ml

Acquired: 09-24-2019
2005 WHO TEQ: NA

Compound	Conc	QC Limits	Qual
2,3,7,8-TCDD	11.6	7.00 - 13.0	
1,2,3,7,8-PeCDD	56.7	35.0 - 65.0	
1,2,3,4,7,8-HxCDD	55.5	35.0 - 65.0	
1,2,3,6,7,8-HxCDD	56.5	35.0 - 65.0	
1,2,3,7,8,9-HxCDD	55.6	35.0 - 65.0	
1,2,3,4,6,7,8-HpCDD	56.2	35.0 - 65.0	
OCDD	113	70.0 - 130	
2,3,7,8-TCDF	11.6	7.00 - 13.0	
1,2,3,7,8-PeCDF	54.9	35.0 - 65.0	
2,3,4,7,8-PeCDF	57.0	35.0 - 65.0	
1,2,3,4,7,8-HxCDF	54.7	35.0 - 65.0	
1,2,3,6,7,8-HxCDF	55.6	35.0 - 65.0	
2,3,4,6,7,8-HxCDF	54.5	35.0 - 65.0	
1,2,3,7,8,9-HxCDF	54.1	35.0 - 65.0	
1,2,3,4,6,7,8-HpCDF	54.6	35.0 - 65.0	
1,2,3,4,7,8,9-HpCDF	55.0	35.0 - 65.0	
OCDF	107	70.0 - 130	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	76.3	40.0 - 135	
13C-1,2,3,7,8-PeCDD	73.2	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	78.6	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	78.0	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	81.6	40.0 - 135	
13C-OCDD	69.9	40.0 - 135	
13C-2,3,7,8-TCDF	85.1	40.0 - 135	
13C-1,2,3,7,8-PeCDF	84.7	40.0 - 135	
13C-2,3,4,7,8-PeCDF	82.9	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	79.2	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	80.6	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	78.7	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	86.8	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	78.4	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	83.9	40.0 - 135	
13C-OCDF	74.2	40.0 - 135	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	87.4	50.0 - 150	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-001-MB
Client ID: Method Blank
Matrix: Solid
Batch No: X5057

Date Extracted: 09-17-2019
Date Received: NA
Amount: 10.00 g

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-20-2019
2005 WHO TEQ: 0.0
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0596		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.125		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.195		-	0.0540				
1,2,3,6,7,8-HxCDD	ND	0.214		-	0.0538	Total TCDD	ND	0.0596	
1,2,3,7,8,9-HxCDD	ND	0.192		-	0.0518	Total PeCDD	ND	0.125	
1,2,3,4,6,7,8-HpCDD	ND	0.207		-	0.0695	Total HxCDD	ND	0.214	
OCDD	ND	0.318		-	0.116	Total HpCDD	ND	0.207	
2,3,7,8-TCDF	ND	0.0634		-	0.0345				
1,2,3,7,8-PeCDF	ND	0.136		-	0.0417				
2,3,4,7,8-PeCDF	ND	0.148		-	0.0449				
1,2,3,4,7,8-HxCDF	ND	0.106		-	0.0351				
1,2,3,6,7,8-HxCDF	ND	0.108		-	0.0382				
2,3,4,6,7,8-HxCDF	ND	0.113		-	0.0379				
1,2,3,7,8,9-HxCDF	ND	0.124		-	0.0423	Total TCDF	ND	0.0634	
1,2,3,4,6,7,8-HpCDF	ND	0.126		-	0.0415	Total PeCDF	ND	0.148	
1,2,3,4,7,8,9-HpCDF	ND	0.156		-	0.0532	Total HxCDF	ND	0.124	
OCDF	ND	0.222		-	0.0833	Total HpCDF	ND	0.156	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	110	40.0 - 135	
13C-1,2,3,7,8-PeCDD	117	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	106	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	105	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	109	40.0 - 135	
13C-OCDD	104	40.0 - 135	
13C-2,3,7,8-TCDF	112	40.0 - 135	
13C-1,2,3,7,8-PeCDF	123	40.0 - 135	
13C-2,3,4,7,8-PeCDF	126	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	108	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	113	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	112	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	120	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	107	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	113	40.0 - 135	
13C-OCDF	109	40.0 - 135	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	117	50.0 - 150	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-001-OPR
Client ID: OPR
Matrix: Solid
Batch No: X5057

Date Extracted: 09-17-2019
Date Received: NA
Amount: 10.00 g

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: ng/ml

Acquired: 09-20-2019
2005 WHO TEQ: NA

Compound	Conc	QC Limits	Qual
2,3,7,8-TCDD	12.1	7.00 - 13.0	
1,2,3,7,8-PeCDD	57.0	35.0 - 65.0	
1,2,3,4,7,8-HxCDD	54.5	35.0 - 65.0	
1,2,3,6,7,8-HxCDD	56.0	35.0 - 65.0	
1,2,3,7,8,9-HxCDD	55.4	35.0 - 65.0	
1,2,3,4,6,7,8-HpCDD	56.4	35.0 - 65.0	
OCDD	113	70.0 - 130	
2,3,7,8-TCDF	11.7	7.00 - 13.0	
1,2,3,7,8-PeCDF	56.7	35.0 - 65.0	
2,3,4,7,8-PeCDF	58.7	35.0 - 65.0	
1,2,3,4,7,8-HxCDF	55.1	35.0 - 65.0	
1,2,3,6,7,8-HxCDF	54.6	35.0 - 65.0	
2,3,4,6,7,8-HxCDF	55.3	35.0 - 65.0	
1,2,3,7,8,9-HxCDF	54.3	35.0 - 65.0	
1,2,3,4,6,7,8-HpCDF	55.9	35.0 - 65.0	
1,2,3,4,7,8,9-HpCDF	56.6	35.0 - 65.0	
OCDF	114	70.0 - 130	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	65.9	40.0 - 135	
13C-1,2,3,7,8-PeCDD	82.0	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	71.3	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	70.8	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	73.1	40.0 - 135	
13C-OCDD	59.8	40.0 - 135	
13C-2,3,7,8-TCDF	78.8	40.0 - 135	
13C-1,2,3,7,8-PeCDF	88.9	40.0 - 135	
13C-2,3,4,7,8-PeCDF	88.2	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	73.0	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	74.3	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	73.3	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	80.1	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	70.9	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	77.3	40.0 - 135	
13C-OCDF	65.9	40.0 - 135	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	77.1	50.0 - 150	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FAL ID: 12653-001-MB
Client ID: Method Blank
Matrix: Solid
Batch No: X5063

Date Extracted: 09-25-2019
Date Received: NA
Amount: 10.00 g

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-27-2019
2005 WHO TEQ: 0.0
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0709		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.107		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.130		-	0.0540				
1,2,3,6,7,8-HxCDD	ND	0.135		-	0.0538	Total TCDD	ND	0.0709	
1,2,3,7,8,9-HxCDD	ND	0.124		-	0.0518	Total PeCDD	ND	0.107	
1,2,3,4,6,7,8-HpCDD	ND	0.225		-	0.0695	Total HxCDD	ND	0.135	
OCDD	ND	0.514		-	0.116	Total HpCDD	ND	0.225	
2,3,7,8-TCDF	ND	0.0755		-	0.0345				
1,2,3,7,8-PeCDF	ND	0.118		-	0.0417				
2,3,4,7,8-PeCDF	ND	0.131		-	0.0449				
1,2,3,4,7,8-HxCDF	ND	0.0988		-	0.0351				
1,2,3,6,7,8-HxCDF	ND	0.0997		-	0.0382				
2,3,4,6,7,8-HxCDF	ND	0.107		-	0.0379				
1,2,3,7,8,9-HxCDF	ND	0.116		-	0.0423	Total TCDF	ND	0.0755	
1,2,3,4,6,7,8-HpCDF	ND	0.0940		-	0.0415	Total PeCDF	ND	0.131	
1,2,3,4,7,8,9-HpCDF	ND	0.134		-	0.0532	Total HxCDF	ND	0.116	
OCDF	ND	0.261		-	0.0833	Total HpCDF	ND	0.134	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	92.4	40.0 - 135	
13C-1,2,3,7,8-PeCDD	88.8	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	96.1	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	94.9	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	93.8	40.0 - 135	
13C-OCDD	84.9	40.0 - 135	
13C-2,3,7,8-TCDF	92.7	40.0 - 135	
13C-1,2,3,7,8-PeCDF	90.3	40.0 - 135	
13C-2,3,4,7,8-PeCDF	91.7	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	93.8	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	98.5	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	97.2	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	99.2	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	95.0	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	91.3	40.0 - 135	
13C-OCDF	81.7	40.0 - 135	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	98.5	50.0 - 150	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 10/1/2019

Reviewed By: _____
Date: 10/1/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-001-OPR
Client ID: OPR
Matrix: Solid
Batch No: X5063

Date Extracted: 09-25-2019
Date Received: NA
Amount: 10.00 g

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: ng/ml

Acquired: 09-27-2019
2005 WHO TEQ: NA

Compound	Conc	QC Limits	Qual
2,3,7,8-TCDD	11.3	7.00 - 13.0	
1,2,3,7,8-PeCDD	51.9	35.0 - 65.0	
1,2,3,4,7,8-HxCDD	49.6	35.0 - 65.0	
1,2,3,6,7,8-HxCDD	51.0	35.0 - 65.0	
1,2,3,7,8,9-HxCDD	50.1	35.0 - 65.0	
1,2,3,4,6,7,8-HpCDD	51.5	35.0 - 65.0	
OCDD	102	70.0 - 130	
2,3,7,8-TCDF	10.8	7.00 - 13.0	
1,2,3,7,8-PeCDF	52.6	35.0 - 65.0	
2,3,4,7,8-PeCDF	52.8	35.0 - 65.0	
1,2,3,4,7,8-HxCDF	50.7	35.0 - 65.0	
1,2,3,6,7,8-HxCDF	49.9	35.0 - 65.0	
2,3,4,6,7,8-HxCDF	50.2	35.0 - 65.0	
1,2,3,7,8,9-HxCDF	49.1	35.0 - 65.0	
1,2,3,4,6,7,8-HpCDF	50.5	35.0 - 65.0	
1,2,3,4,7,8,9-HpCDF	51.1	35.0 - 65.0	
OCDF	103	70.0 - 130	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	97.0	40.0 - 135	
13C-1,2,3,7,8-PeCDD	95.0	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	96.0	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	96.2	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	94.7	40.0 - 135	
13C-OCDD	84.8	40.0 - 135	
13C-2,3,7,8-TCDF	95.6	40.0 - 135	
13C-1,2,3,7,8-PeCDF	98.1	40.0 - 135	
13C-2,3,4,7,8-PeCDF	96.5	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	94.1	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	96.3	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	92.4	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	102	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	92.7	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	91.8	40.0 - 135	
13C-OCDF	84.2	40.0 - 135	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	113	50.0 - 150	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 10/1/2019

Reviewed By: _____
Date: 10/1/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FAL ID: 12653-001-SA
Client ID: EB-1 (570-7095-42)
Matrix: Aqueous
Batch No: X5058

Date Extracted: 09-18-2019
Date Received: 09-13-2019
Amount: 1.034 L

ICal: pcddfal3-8-22-19
GC Column: DB5MS
Units: pg/L

Acquired: 09-24-2019
2005 WHO TEQ: 0.0

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.695		-	0.214				
1,2,3,7,8-PeCDD	ND	0.898		-	0.387				
1,2,3,4,7,8-HxCDD	ND	1.33		-	0.447				
1,2,3,6,7,8-HxCDD	ND	1.35		-	0.477	Total TCDD	ND	0.695	
1,2,3,7,8,9-HxCDD	ND	1.25		-	0.444	Total PeCDD	ND	0.898	
1,2,3,4,6,7,8-HpCDD	ND	1.56		-	0.572	Total HxCDD	ND	1.35	
OCDD	ND	3.23		-	1.12	Total HpCDD	ND	1.56	
2,3,7,8-TCDF	ND	0.557		-	0.206				
1,2,3,7,8-PeCDF	ND	0.842		-	0.326				
2,3,4,7,8-PeCDF	ND	0.910		-	0.341				
1,2,3,4,7,8-HxCDF	ND	1.09		-	0.317				
1,2,3,6,7,8-HxCDF	ND	1.08		-	0.330				
2,3,4,6,7,8-HxCDF	ND	0.874		-	0.350				
1,2,3,7,8,9-HxCDF	ND	0.954		-	0.399	Total TCDF	ND	0.557	
1,2,3,4,6,7,8-HpCDF	ND	1.39		-	0.301	Total PeCDF	ND	0.910	
1,2,3,4,7,8,9-HpCDF	ND	1.28		-	0.445	Total HxCDF	ND	1.08	
OCDF	ND	1.92		-	0.717	Total HpCDF	ND	1.39	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	97.6	40.0 - 135	
13C-1,2,3,7,8-PeCDD	93.1	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	87.9	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	87.9	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	92.9	40.0 - 135	
13C-OCDD	88.2	40.0 - 135	
13C-2,3,7,8-TCDF	100	40.0 - 135	
13C-1,2,3,7,8-PeCDF	101	40.0 - 135	
13C-2,3,4,7,8-PeCDF	101	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	71.4	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	77.6	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	95.0	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	105	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	65.9	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	94.6	40.0 - 135	
13C-OCDF	90.2	40.0 - 135	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	105	50.0 - 150	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-002-SA
Client ID: COMP1-2 (570-7095-4)
Matrix: Solid
Batch No: X5063

Date Extracted: 09-25-2019
Date Received: 09-13-2019
Amount: 10.04 g
% Solids: 94.29

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-27-2019
2005 WHO TEQ: 0.442
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0846		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.131		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.161		-	0.0540				
1,2,3,6,7,8-HxCDD	0.259	-	J	0.0259	0.0538	Total TCDD	0.685	-	
1,2,3,7,8,9-HxCDD	0.222	-	J	0.0222	0.0518	Total PeCDD	1.15	-	J
1,2,3,4,6,7,8-HpCDD	3.09	-		0.0309	0.0695	Total HxCDD	2.93	-	
OCDD	20.8	-		0.00624	0.116	Total HpCDD	7.71	-	
2,3,7,8-TCDF	0.208	-	J	0.0208	0.0345				
1,2,3,7,8-PeCDF	0.202	-	J	0.00606	0.0417				
2,3,4,7,8-PeCDF	0.484	-	J	0.145	0.0449				
1,2,3,4,7,8-HxCDF	0.452	-	J	0.0452	0.0351				
1,2,3,6,7,8-HxCDF	0.433	-	J	0.0433	0.0382				
2,3,4,6,7,8-HxCDF	0.566	-	J	0.0566	0.0379				
1,2,3,7,8,9-HxCDF	0.160	-	J	0.0160	0.0423	Total TCDF	3.71	-	
1,2,3,4,6,7,8-HpCDF	2.14	-	J	0.0214	0.0415	Total PeCDF	4.23	-	
1,2,3,4,7,8,9-HpCDF	0.202	-	J	0.00202	0.0532	Total HxCDF	3.93	-	
OCDF	2.19	-	J	0.000657	0.0833	Total HpCDF	3.40	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	108	40.0 - 135	
13C-1,2,3,7,8-PeCDD	105	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	107	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	106	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	104	40.0 - 135	
13C-OCDD	88.3	40.0 - 135	
13C-2,3,7,8-TCDF	109	40.0 - 135	
13C-1,2,3,7,8-PeCDF	108	40.0 - 135	
13C-2,3,4,7,8-PeCDF	105	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	107	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	107	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	104	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	116	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	100	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	102	40.0 - 135	
13C-OCDF	89.2	40.0 - 135	

Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	123	50.0 - 150	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 10/1/2019

Reviewed By: _____
Date: 10/1/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-003-SA
Client ID: COMP1-2 DUP (570-7095-5)
Matrix: Solid
Batch No: X5057

Date Extracted: 09-17-2019
Date Received: 09-13-2019
Amount: 10.53 g
% Solids: 95.15

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-20-2019
2005 WHO TEQ: 0.461
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0623		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.110		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.128		-	0.0540				
1,2,3,6,7,8-HxCDD	0.267	-	J	0.0267	0.0538	Total TCDD	0.889	-	
1,2,3,7,8,9-HxCDD	0.237	-	J	0.0237	0.0518	Total PeCDD	1.59	-	J
1,2,3,4,6,7,8-HpCDD	3.57	-		0.0357	0.0695	Total HxCDD	3.21	-	
OCDD	28.0	-		0.00840	0.116	Total HpCDD	9.24	-	
2,3,7,8-TCDF	0.236	-	J	0.0236	0.0345				
1,2,3,7,8-PeCDF	0.273	-	J	0.00819	0.0417				
2,3,4,7,8-PeCDF	0.468	-	J	0.140	0.0449				
1,2,3,4,7,8-HxCDF	0.537	-	J	0.0537	0.0351				
1,2,3,6,7,8-HxCDF	0.433	-	J	0.0433	0.0382				
2,3,4,6,7,8-HxCDF	0.487	-	J	0.0487	0.0379				
1,2,3,7,8,9-HxCDF	0.159	-	J	0.0159	0.0423	Total TCDF	4.69	-	
1,2,3,4,6,7,8-HpCDF	2.88	-		0.0288	0.0415	Total PeCDF	4.99	-	
1,2,3,4,7,8,9-HpCDF	0.325	-	J	0.00325	0.0532	Total HxCDF	4.03	-	
OCDF	3.28	-	J	0.000984	0.0833	Total HpCDF	4.72	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	106	40.0 - 135	
13C-1,2,3,7,8-PeCDD	110	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	98.1	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	99.5	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	102	40.0 - 135	
13C-OCDD	87.8	40.0 - 135	
13C-2,3,7,8-TCDF	106	40.0 - 135	
13C-1,2,3,7,8-PeCDF	115	40.0 - 135	
13C-2,3,4,7,8-PeCDF	114	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	103	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	102	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	102	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	113	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	99.8	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	111	40.0 - 135	
13C-OCDF	95.6	40.0 - 135	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	115	50.0 - 150

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-004-SA
Client ID: COMP2-0.5 (570-7095-9)
Matrix: Solid
Batch No: X5057

Date Extracted: 09-17-2019
Date Received: 09-13-2019
Amount: 10.43 g
% Solids: 95.96

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-21-2019
2005 WHO TEQ: 0.0112
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0876		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.161		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.245		-	0.0540				
1,2,3,6,7,8-HxCDD	ND	0.265		-	0.0538	Total TCDD	ND	0.0876	
1,2,3,7,8,9-HxCDD	ND	0.239		-	0.0518	Total PeCDD	ND	0.161	
1,2,3,4,6,7,8-HpCDD	0.723	-	J	0.00723	0.0695	Total HxCDD	ND	0.265	
OCDD	5.60	-		0.00168	0.116	Total HpCDD	1.60	-	J
2,3,7,8-TCDF	ND	0.0874		-	0.0345				
1,2,3,7,8-PeCDF	ND	0.147		-	0.0417				
2,3,4,7,8-PeCDF	ND	0.155		-	0.0449				
1,2,3,4,7,8-HxCDF	ND	0.159		-	0.0351				
1,2,3,6,7,8-HxCDF	ND	0.161		-	0.0382				
2,3,4,6,7,8-HxCDF	ND	0.175		-	0.0379				
1,2,3,7,8,9-HxCDF	ND	0.182		-	0.0423	Total TCDF	ND	0.0874	
1,2,3,4,6,7,8-HpCDF	0.218	-	J	0.00218	0.0415	Total PeCDF	ND	0.155	
1,2,3,4,7,8,9-HpCDF	ND	0.185		-	0.0532	Total HxCDF	ND	0.182	
OCDF	0.496	0.198	J	0.000149	0.0833	Total HpCDF	0.464	-	J

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	95.7	40.0 - 135	
13C-1,2,3,7,8-PeCDD	102	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	90.5	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	92.3	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	92.9	40.0 - 135	
13C-OCDD	80.8	40.0 - 135	
13C-2,3,7,8-TCDF	101	40.0 - 135	
13C-1,2,3,7,8-PeCDF	113	40.0 - 135	
13C-2,3,4,7,8-PeCDF	114	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	92.7	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	90.6	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	92.7	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	102	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	89.0	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	101	40.0 - 135	
13C-OCDF	86.8	40.0 - 135	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	103	50.0 - 150

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-005-SA
Client ID: COMP2-2 (570-7095-13)
Matrix: Solid
Batch No: X5063

Date Extracted: 09-25-2019
Date Received: 09-13-2019
Amount: 10.02 g
% Solids: 95.73

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-27-2019
2005 WHO TEQ: 0.0
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0732		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.137		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.153		-	0.0540				
1,2,3,6,7,8-HxCDD	ND	0.159		-	0.0538	Total TCDD	ND	0.0732	
1,2,3,7,8,9-HxCDD	ND	0.146		-	0.0518	Total PeCDD	ND	0.137	
1,2,3,4,6,7,8-HpCDD	ND	0.215		-	0.0695	Total HxCDD	ND	0.159	
OCDD	ND	0.637		-	0.116	Total HpCDD	ND	0.215	
2,3,7,8-TCDF	ND	0.0674		-	0.0345				
1,2,3,7,8-PeCDF	ND	0.109		-	0.0417				
2,3,4,7,8-PeCDF	ND	0.120		-	0.0449				
1,2,3,4,7,8-HxCDF	ND	0.123		-	0.0351				
1,2,3,6,7,8-HxCDF	ND	0.118		-	0.0382				
2,3,4,6,7,8-HxCDF	ND	0.124		-	0.0379				
1,2,3,7,8,9-HxCDF	ND	0.134		-	0.0423	Total TCDF	ND	0.0674	
1,2,3,4,6,7,8-HpCDF	ND	0.116		-	0.0415	Total PeCDF	ND	0.120	
1,2,3,4,7,8,9-HpCDF	ND	0.144		-	0.0532	Total HxCDF	ND	0.134	
OCDF	ND	0.256		-	0.0833	Total HpCDF	ND	0.144	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	107	40.0 - 135	
13C-1,2,3,7,8-PeCDD	104	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	102	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	105	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	96.4	40.0 - 135	
13C-OCDD	75.5	40.0 - 135	
13C-2,3,7,8-TCDF	103	40.0 - 135	
13C-1,2,3,7,8-PeCDF	109	40.0 - 135	
13C-2,3,4,7,8-PeCDF	104	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	103	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	104	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	100	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	109	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	92.9	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	96.5	40.0 - 135	
13C-OCDF	78.6	40.0 - 135	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	133	50.0 - 150	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 10/1/2019

Reviewed By: _____
Date: 10/1/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-006-SA
Client ID: COMP3-0.5 (570-7095-18)
Matrix: Solid
Batch No: X5057

Date Extracted: 09-17-2019
Date Received: 09-13-2019
Amount: 10.25 g
% Solids: 97.89

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-21-2019
2005 WHO TEQ: 0.375
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0723		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.120		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.203		-	0.0540				
1,2,3,6,7,8-HxCDD	0.429	-	J	0.0429	0.0538	Total TCDD	0.380	-	J
1,2,3,7,8,9-HxCDD	0.358	-	J	0.0358	0.0518	Total PeCDD	0.646	-	J
1,2,3,4,6,7,8-HpCDD	13.1	-		0.131	0.0695	Total HxCDD	4.54	-	
OCDD	127	-		0.0381	0.116	Total HpCDD	30.4	-	J
2,3,7,8-TCDF	0.140	-	J	0.0140	0.0345				
1,2,3,7,8-PeCDF	ND	0.167		-	0.0417				
2,3,4,7,8-PeCDF	ND	0.185		-	0.0449				
1,2,3,4,7,8-HxCDF	0.254	-	J	0.0254	0.0351				
1,2,3,6,7,8-HxCDF	0.195	-	J	0.0195	0.0382				
2,3,4,6,7,8-HxCDF	0.245	-	J	0.0245	0.0379				
1,2,3,7,8,9-HxCDF	0.156	-	J	0.0156	0.0423	Total TCDF	1.38	-	M
1,2,3,4,6,7,8-HpCDF	2.41	-	J	0.0241	0.0415	Total PeCDF	1.48	-	J
1,2,3,4,7,8,9-HpCDF	0.219	-	J	0.00219	0.0532	Total HxCDF	3.55	-	
OCDF	6.13	-		0.00184	0.0833	Total HpCDF	6.33	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	97.7	40.0 - 135	
13C-1,2,3,7,8-PeCDD	101	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	92.8	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	92.8	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	95.8	40.0 - 135	
13C-OCDD	87.5	40.0 - 135	
13C-2,3,7,8-TCDF	99.8	40.0 - 135	
13C-1,2,3,7,8-PeCDF	108	40.0 - 135	
13C-2,3,4,7,8-PeCDF	107	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	96.1	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	95.6	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	96.9	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	106	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	94.6	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	106	40.0 - 135	
13C-OCDF	93.5	40.0 - 135	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	104	50.0 - 150

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FAL ID: 12653-007-SA
Client ID: COMP3-2 (570-7095-23)
Matrix: Solid
Batch No: X5057

Date Extracted: 09-17-2019
Date Received: 09-13-2019
Amount: 10.35 g
% Solids: 96.93

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-23-2019
2005 WHO TEQ: 0.0654
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0787		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.147		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.140		-	0.0540				
1,2,3,6,7,8-HxCDD	ND	0.151		-	0.0538	Total TCDD	0.132	-	J,M
1,2,3,7,8,9-HxCDD	ND	0.136		-	0.0518	Total PeCDD	ND	0.147	
1,2,3,4,6,7,8-HpCDD	0.811	-	J	0.00811	0.0695	Total HxCDD	0.338	-	J
OCDD	6.26	-		0.00188	0.116	Total HpCDD	2.08	-	J
2,3,7,8-TCDF	ND	0.0822		-	0.0345				
1,2,3,7,8-PeCDF	ND	0.128		-	0.0417				
2,3,4,7,8-PeCDF	ND	0.155		-	0.0449				
1,2,3,4,7,8-HxCDF	0.167	-	J	0.0167	0.0351				
1,2,3,6,7,8-HxCDF	0.136	-	J	0.0136	0.0382				
2,3,4,6,7,8-HxCDF	0.183	-	J	0.0183	0.0379				
1,2,3,7,8,9-HxCDF	ND	0.124		-	0.0423	Total TCDF	ND	0.0822	
1,2,3,4,6,7,8-HpCDF	0.656	-	J	0.00656	0.0415	Total PeCDF	ND	0.155	
1,2,3,4,7,8,9-HpCDF	ND	0.164		-	0.0532	Total HxCDF	1.16	-	J
OCDF	0.739	-	J	0.000222	0.0833	Total HpCDF	0.916	-	J

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	101	40.0 - 135	
13C-1,2,3,7,8-PeCDD	105	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	98.0	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	96.7	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	109	40.0 - 135	
13C-OCDD	106	40.0 - 135	
13C-2,3,7,8-TCDF	103	40.0 - 135	
13C-1,2,3,7,8-PeCDF	111	40.0 - 135	
13C-2,3,4,7,8-PeCDF	104	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	104	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	104	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	107	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	115	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	105	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	118	40.0 - 135	
13C-OCDF	118	40.0 - 135	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	107	50.0 - 150	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-008-SA
Client ID: COMP4-0.5 (570-7095-27)
Matrix: Solid
Batch No: X5057

Date Extracted: 09-17-2019
Date Received: 09-13-2019
Amount: 10.55 g
% Solids: 94.99

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-23-2019
2005 WHO TEQ: 0.272
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0722		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.134		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.203		-	0.0540				
1,2,3,6,7,8-HxCDD	0.362	-	J	0.0362	0.0538	Total TCDD	ND	0.0722	
1,2,3,7,8,9-HxCDD	0.208	-	J	0.0208	0.0518	Total PeCDD	ND	0.134	
1,2,3,4,6,7,8-HpCDD	10.6	-		0.106	0.0695	Total HxCDD	2.75	-	
OCDD	123	-		0.0369	0.116	Total HpCDD	23.8	-	
2,3,7,8-TCDF	ND	0.0907		-	0.0345				
1,2,3,7,8-PeCDF	ND	0.102		-	0.0417				
2,3,4,7,8-PeCDF	ND	0.117		-	0.0449				
1,2,3,4,7,8-HxCDF	0.151	-	J	0.0151	0.0351				
1,2,3,6,7,8-HxCDF	0.140	-	J	0.0140	0.0382				
2,3,4,6,7,8-HxCDF	0.173	-	J	0.0173	0.0379				
1,2,3,7,8,9-HxCDF	ND	0.118		-	0.0423	Total TCDF	ND	0.0907	
1,2,3,4,6,7,8-HpCDF	2.33	-	J	0.0233	0.0415	Total PeCDF	0.840	-	J
1,2,3,4,7,8,9-HpCDF	ND	0.175		-	0.0532	Total HxCDF	3.01	-	
OCDF	8.41	-		0.00252	0.0833	Total HpCDF	6.58	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	93.6	40.0 - 135	
13C-1,2,3,7,8-PeCDD	95.1	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	90.9	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	89.5	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	100	40.0 - 135	
13C-OCDD	99.6	40.0 - 135	
13C-2,3,7,8-TCDF	95.6	40.0 - 135	
13C-1,2,3,7,8-PeCDF	103	40.0 - 135	
13C-2,3,4,7,8-PeCDF	101	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	101	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	100	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	100	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	99.6	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	94.9	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	104	40.0 - 135	
13C-OCDF	104	40.0 - 135	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	99.3	50.0 - 150

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-009-SA
Client ID: COMP4-3 (570-7095-31)
Matrix: Solid
Batch No: X5057

Date Extracted: 09-17-2019
Date Received: 09-13-2019
Amount: 10.59 g
% Solids: 94.80

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-23-2019
2005 WHO TEQ: 0.0146
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0777		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.171		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.308		-	0.0540				
1,2,3,6,7,8-HxCDD	ND	0.332		-	0.0538	Total TCDD	ND	0.0777	
1,2,3,7,8,9-HxCDD	ND	0.300		-	0.0518	Total PeCDD	ND	0.171	
1,2,3,4,6,7,8-HpCDD	0.915	-	J	0.00915	0.0695	Total HxCDD	ND	0.332	
OCDD	8.42	-		0.00253	0.116	Total HpCDD	2.17	-	J
2,3,7,8-TCDF	ND	0.101		-	0.0345				
1,2,3,7,8-PeCDF	ND	0.119		-	0.0417				
2,3,4,7,8-PeCDF	ND	0.137		-	0.0449				
1,2,3,4,7,8-HxCDF	ND	0.142		-	0.0351				
1,2,3,6,7,8-HxCDF	ND	0.153		-	0.0382				
2,3,4,6,7,8-HxCDF	ND	0.162		-	0.0379				
1,2,3,7,8,9-HxCDF	ND	0.172		-	0.0423	Total TCDF	ND	0.101	
1,2,3,4,6,7,8-HpCDF	0.292	-	J	0.00292	0.0415	Total PeCDF	ND	0.137	
1,2,3,4,7,8,9-HpCDF	ND	0.156		-	0.0532	Total HxCDF	ND	0.172	
OCDF	ND	0.470		-	0.0833	Total HpCDF	0.550	-	J

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	45.4	40.0 - 135	
13C-1,2,3,7,8-PeCDD	45.3	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	42.4	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	40.3	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	49.9	40.0 - 135	
13C-OCDD	41.4	40.0 - 135	
13C-2,3,7,8-TCDF	44.1	40.0 - 135	
13C-1,2,3,7,8-PeCDF	46.9	40.0 - 135	
13C-2,3,4,7,8-PeCDF	46.2	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	45.6	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	45.7	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	44.5	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	49.8	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	44.9	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	55.4	40.0 - 135	
13C-OCDF	45.1	40.0 - 135	
Cleanup Surrogate			
37Cl-2,3,7,8-TCDD	56.5	50.0 - 150	

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FRONTIER ANALYTICAL LABORATORY

FAL ID: 12653-010-SA
Client ID: BACOMP1-1 (570-7095-36)
Matrix: Solid
Batch No: X5057

Date Extracted: 09-17-2019
Date Received: 09-13-2019
Amount: 10.35 g
% Solids: 96.89

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-23-2019
2005 WHO TEQ: 0.0596
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0670		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.125		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.117		-	0.0540				
1,2,3,6,7,8-HxCDD	ND	0.126		-	0.0538	Total TCDD	ND	0.0670	
1,2,3,7,8,9-HxCDD	ND	0.114		-	0.0518	Total PeCDD	ND	0.125	
1,2,3,4,6,7,8-HpCDD	3.41	-		0.0341	0.0695	Total HxCDD	1.36	-	J
OCDD	37.2	-		0.0112	0.116	Total HpCDD	7.55	-	
2,3,7,8-TCDF	ND	0.0764		-	0.0345				
1,2,3,7,8-PeCDF	ND	0.110		-	0.0417				
2,3,4,7,8-PeCDF	ND	0.121		-	0.0449				
1,2,3,4,7,8-HxCDF	ND	0.169		-	0.0351				
1,2,3,6,7,8-HxCDF	ND	0.166		-	0.0382				
2,3,4,6,7,8-HxCDF	ND	0.180		-	0.0379				
1,2,3,7,8,9-HxCDF	ND	0.180		-	0.0423	Total TCDF	ND	0.0764	
1,2,3,4,6,7,8-HpCDF	1.35	-	J	0.0135	0.0415	Total PeCDF	0.794	-	J
1,2,3,4,7,8,9-HpCDF	ND	0.118		-	0.0532	Total HxCDF	1.47	-	J
OCDF	2.73	-	J	0.000819	0.0833	Total HpCDF	2.66	-	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	102	40.0 - 135	
13C-1,2,3,7,8-PeCDD	109	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	97.2	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	101	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	108	40.0 - 135	
13C-OCDD	98.7	40.0 - 135	
13C-2,3,7,8-TCDF	110	40.0 - 135	
13C-1,2,3,7,8-PeCDF	115	40.0 - 135	
13C-2,3,4,7,8-PeCDF	116	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	105	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	105	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	106	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	119	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	98.3	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	117	40.0 - 135	
13C-OCDF	106	40.0 - 135	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	103	50.0 - 150

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

EPA Method 8290
PCDD/F

FAL ID: 12653-011-SA
Client ID: BACOMP1-2 (570-7095-41)
Matrix: Solid
Batch No: X5057

Date Extracted: 09-17-2019
Date Received: 09-13-2019
Amount: 10.47 g
% Solids: 95.98

ICal: PCDDFAL3-8-22-19
GC Column: DB5MS
Units: pg/g

Acquired: 09-23-2019
2005 WHO TEQ: 0.00262
Basis: Dry Weight

Compound	Conc	DL	Qual	2005 WHO Tox	MDL	Compound	Conc	DL	Qual
2,3,7,8-TCDD	ND	0.0578		-	0.0331				
1,2,3,7,8-PeCDD	ND	0.101		-	0.0536				
1,2,3,4,7,8-HxCDD	ND	0.150		-	0.0540				
1,2,3,6,7,8-HxCDD	ND	0.166		-	0.0538	Total TCDD	ND	0.0578	
1,2,3,7,8,9-HxCDD	ND	0.148		-	0.0518	Total PeCDD	ND	0.101	
1,2,3,4,6,7,8-HpCDD	0.223	-	J	0.00223	0.0695	Total HxCDD	ND	0.166	
OCDD	1.29	-	J	0.000387	0.116	Total HpCDD	0.475	-	J
2,3,7,8-TCDF	ND	0.0576		-	0.0345				
1,2,3,7,8-PeCDF	ND	0.106		-	0.0417				
2,3,4,7,8-PeCDF	ND	0.114		-	0.0449				
1,2,3,4,7,8-HxCDF	ND	0.0924		-	0.0351				
1,2,3,6,7,8-HxCDF	ND	0.0949		-	0.0382				
2,3,4,6,7,8-HxCDF	ND	0.0983		-	0.0379				
1,2,3,7,8,9-HxCDF	ND	0.110		-	0.0423	Total TCDF	ND	0.0576	
1,2,3,4,6,7,8-HpCDF	ND	0.105		-	0.0415	Total PeCDF	ND	0.114	
1,2,3,4,7,8,9-HpCDF	ND	0.121		-	0.0532	Total HxCDF	ND	0.110	
OCDF	ND	0.243		-	0.0833	Total HpCDF	ND	0.121	

Internal Standards	% Rec	QC Limits	Qual
13C-2,3,7,8-TCDD	97.2	40.0 - 135	
13C-1,2,3,7,8-PeCDD	105	40.0 - 135	
13C-1,2,3,4,7,8-HxCDD	95.6	40.0 - 135	
13C-1,2,3,6,7,8-HxCDD	92.8	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDD	99.7	40.0 - 135	
13C-OCDD	90.7	40.0 - 135	
13C-2,3,7,8-TCDF	98.2	40.0 - 135	
13C-1,2,3,7,8-PeCDF	108	40.0 - 135	
13C-2,3,4,7,8-PeCDF	106	40.0 - 135	
13C-1,2,3,4,7,8-HxCDF	98.2	40.0 - 135	
13C-1,2,3,6,7,8-HxCDF	96.7	40.0 - 135	
13C-2,3,4,6,7,8-HxCDF	100	40.0 - 135	
13C-1,2,3,7,8,9-HxCDF	105	40.0 - 135	
13C-1,2,3,4,6,7,8-HpCDF	92.6	40.0 - 135	
13C-1,2,3,4,7,8,9-HpCDF	104	40.0 - 135	
13C-OCDF	95.9	40.0 - 135	

Cleanup Surrogate		
37Cl-2,3,7,8-TCDD	104	50.0 - 150

A	Isotopic Labeled Standard outside QC range but signal to noise ratio is >10:1
B	Analyte is present in Method Blank
C	Chemical Interference
D	Presence of Diphenyl Ethers
DNQ	Analyte concentration is below calibration range
E	Analyte concentration is above calibration range
F	Analyte confirmation on secondary column
J	Analyte concentration is below calibration range
M	Maximum possible concentration
ND	Analyte Not Detected at Detection Limit Level
NP	Not Provided
P	Pre-filtered through a Whatman 0.7um GF/F filter
S	Sample acceptance criteria not met
X	Matrix interferences
*	Result taken from dilution or reinjection

Analyst: _____
Date: 9/30/2019

Reviewed By: _____
Date: 9/30/2019

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494 Fax: 714-894-7501

Chain of Custody Record

12653
OOC

eurofins | Calscience

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Thompson, Lori	Carrier Tracking No(s):	COC No: 570-3941.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: lorithompson@eurofinsus.com	State of Origin: California	Page: Page 1 of 12
Company: Frontier Analytical Laboratory		Accreditations Required (See note):		Job #: 570-7095-1
Address: 5172 Hillsdale Circle, ,	Due Date Requested: 9/25/2019			
City: El Dorado Hills	TAT Requested (days):			
State, Zip: CA, 95762				
Phone:	PO #:			
Email:	WO #:			
Project Name: RCCD Norco Veteran Center	Project #: ~~57001336~~ 570-7095			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (8290 Dioxins & Furans)/ 8290 Dioxins & Furans	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
EB-1 (570-7095-42)	9/10/19	15:00 Pacific		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 9/12/19 1342	Company	Received by:	Date/Time: 9.13.19 1120	Company Frontier
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 000020 of 000024

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494 Fax: 714-894-7501

Chain of Custody Record

12653
COC

eurofins | Calscience

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Thompson, Lori	Carrier Tracking No(s):	COC No: 570-3960.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: lorithompson@eurofinsus.com	State of Origin: California	Page: ~~Page 1 of 2~~ 2 of 3
Company: Frontier Analytical Laboratory		Accreditations Required (See note):		Job #: 570-7095-1
Address: 5172 Hillsdale Circle, ,	Due Date Requested: 9/25/2019			
City: El Dorado Hills	TAT Requested (days):			
State, Zip: CA, 95762	PO #:			
Phone:	WO #:			
Email:	Project #: ~~57001336~~ 570-7095			
Project Name: RCCD Norco Veteran Center	SSOW#:			
Site:				

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Analysis Requested

	Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (8290 Dioxins & Furans)/ 8290 Dioxins & Furans	Total Number of containers	Special Instructions/Note:
				Preservation Code:						
2	COMP1-2 (570-7095-4)	9/10/19	Pacific		Solid			X	1	
3	COMP1-2 DUP (570-7095-5)	9/10/19	Pacific		Solid			X	1	
4	COMP2-0.5 (570-7095-9)	9/10/19	Pacific		Solid			X	1	
5	COMP2-2 (570-7095-13)	9/10/19	Pacific		Solid			X	1	
6	COMP3-0.5 (570-7095-18)	9/10/19	Pacific		Solid			X	1	
7	COMP3-2 (570-7095-23)	9/10/19	Pacific		Solid			X	1	
8	COMP4-0.5 (570-7095-27)	9/10/19	Pacific		Solid			X	1	
9	COMP4-2 (570-7095-31)	9/10/19	Pacific		Solid			X	1	
10	BACOMP1-1 (570-7095-36)	9/10/19	Pacific		Solid			X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 9/12/19 1600	Company	Received by:	Date/Time: 9/13/19 1120	Company Frontier
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 000021 of 000024

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494 Fax: 714-894-7501

Chain of Custody Record

12653
COC

eurofins | Calscience

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Thompson, Lori	Carrier Tracking No(s):	COC No: 570-3960.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: lorithompson@eurofinsus.com	State of Origin: California	Page: Page 2 of 2 3 of 3
Company: Frontier Analytical Laboratory		Accreditations Required (See note):		Job #: 570-7095-1
Address: 5172 Hillsdale Circle, ,	Due Date Requested: 9/25/2019			
City: El Dorado Hills	TAT Requested (days):			
State, Zip: CA, 95762	PO #:			
Phone:	WO #:			
Email:	Project #: 57001336 570-7095			
Project Name: RCCD Norco Veteran Center	SSOW#:			
Site:				

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (8290 Dioxins & Furans)/ 8290 Dioxins & Furans	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
BACOMP1-2 (570-7095-41)	9/10/19	Pacific		Solid			X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 9/12/19 1600	Company	Received by: Kathy Sap	Date/Time: 9.13.19 1120	Company Frontier	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
Δ Yes Δ No		000022 of 000024

Frontier Analytical Laboratory

Sample Login Form

FAL Project ID: **12653**

Client:	Eurofins Calscience, Inc.
Client Project ID:	570-7095
Date Received:	09/13/2019
Time Received:	11:20 am
Received By:	KZ
Logged In By:	KZ
# of Samples Received:	11
Duplicates:	1
Storage Location:	R-4

Method of Delivery:	Golden State Overnight
Tracking Number:	546046284, 546046275
Shipping Container Received Intact	Yes
Custody seals(s) present?	Yes
Custody seals(s) intact?	Yes
Sample Arrival Temperature (C)	0
Cooling Method	Ice
Chain Of Custody Present?	Yes
Return Shipping Container To Client	Yes
Test aqueous sample for residual Chlorine	Yes
Sodium Thiosulfate Added	No
Adequate Sample Volume	Yes
Appropriate Sample Container	No
pH Range of Aqueous Sample	Between 4 and 9

Anomalies or additional comments:

Please note samples 2-11 were received in clear glass jars. NELAP requires samples be received in amber glass bottles or jars. Although this anomaly will not affect your results, we are required by NELAP to make a note of it. We will proceed with analysis unless directed otherwise by you.

5172 Hillsdale Circle * El Dorado Hills, CA 95762 * Tel (916) 934-0900 * Fax (916) 934-0999 * www.frontieranalytical.com

Eurofins Calscience LLC
Chain of Custody Record
Frontier Analytical Laboratory
12653-001-SA
Client ID:EB-1 (570-7095-42)
Storage: R-4
(01 of 02)
570-7095-B-42
DATE:
9/12
2019
TIME:
1500
DUDEK
None
12653-007-SA
Client ID: COMP3-2 (570-7095-2)
570-7095-B-23
12653-008-SA
Client ID: COMP4-0.5 (570-7095-27)
570-7095-B-27
12653-009-SA
Client ID:COMP4-2 (570-7095-3)
570-7095-B-31
12653-010-SA
Client ID: BACOMP1-1 (570-7095-5)
570-7095-B-36
12653-011-SA
Client ID: BACOMP1-2 (570-7095-4)
570-7095-B-41
12653-001-SA
Client ID: EB-1 (570-7095-42)
Storage: R-4
(02 of 02)
570-7095-C-42
12653-002-SA
Client ID: COMP1-2 (570-7095-4)
570-7095-B-4
12653-003-SA
Client ID:COMP1-2 DUP (570-7095-5)
570-7095-B-5
12653-004-SA
Client ID: COMP2-0.5 (570-7095-9)
570-7095-B-9
12653-005-SA
Client ID: COMP2-2 (570-7095-13)
570-7095-B-13
12653-006-SA
Client ID:COMP3-0.5 (570-7095-18)
570-7095-B-18
2019/09/13

7095

eurofins | Calscience

570-7095 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE: 9/10/19

PAGE: 1 OF 5

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

LABORATORY CLIENT: Dudek

ADDRESS: 750 Second Street

CITY: Encinitas STATE: CA ZIP: 92024

TEL: 760-840-7526 E-MAIL: ssmith@dudek.com

CLIENT PROJECT NAME / NUMBER: RCCD Norco

P.O. NO.: 11283

PROJECT CONTACT: Susie Smith

SAMPLER(S): (PRINT) Divya Khandelwal, Susie Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PCBs (8082)	Dioxins & Furans (8290)	T22 Metals ☒ 6010/747X ☐ 6020/747X
1	S4-2	9/10/19	0838	soil	1	X					
2	S5-2	9/10/19	0858	soil	1	X					
3	S3-2	9/10/19	0941	soil	1	X					
4	COMP1-2								X	X	X
5	COMP1-2 DUP								X	X	X
6	S7-0.5	9/10/19	1245	soil	1	X					
7	S8-0.5	9/10/19	1220	soil	1	X					
8	S9-0.5	9/10/19	1005	soil	1	X					
9	COMP2-0.5								X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	Dunnyle EC	9/11/19	15:03
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

3.8/4.0 4.1/4.3 scb

06/02/14 Revision

10/4/2019

7095

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 9/10/19

PAGE: 2 OF 5

LABORATORY CLIENT: Dudek

ADDRESS: 750 Second Street

CITY: Encinitas STATE: CA ZIP: 92024

TEL: 760-840-7526 E-MAIL: ssmith@dudek.com

CLIENT PROJECT NAME / NUMBER: RCCD Norco

P.O. NO.: 11283

PROJECT CONTACT: Susie Smith

SAMPLER(S): (PRINT) Divya Khandelwal, Susie Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PCBs (8082)	Dioxins & Furans (8290)	T22 Metals ☒ 6010/747X ☐ 6020/747X
10	S7-2	9/10/19	1246	Soil	1	X					
11	S8-2	9/10/19	1221	Soil	1	X					
12	S9-2	9/10/19	1006	Soil	1	X					
13	COMP2-2								X	X	X
14	S10-0.5	9/10/19	1158	Soil	1	X					
15	S11-0.5	9/10/19	1025	Soil	1	X					
16	S12-0.5	9/10/19	1115	Soil	1	X					
17	S13-0.5	9/10/19	1104	Soil	1	X					
18	COMP3-0.5								X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle EL	Date: 9/11/19	Time: 15:03
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Page 4 of 38

10/4/2019

06/02/14 Revision

7095

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 9/10/19

PAGE: 3 OF 5

LABORATORY CLIENT: Dudek

ADDRESS: 750 Second Street

CITY: Encinitas STATE: CA ZIP: 92024

TEL: 760-840-7526 E-MAIL: ssmith@dudek.com

CLIENT PROJECT NAME / NUMBER: RCCD Norco

P.O. NO.: 11283

PROJECT CONTACT: Susie Smith

SAMPLER(S): (PRINT) Divya Khandelwal, Susie Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PCBs (8082)	Dioxins & Furans (8290)	T22 Metals ☒ 6010/747X ☐ 6020/747X
19	S10-2	9/10/19	1159	Soil	1	X					
20	S11-2	9/10/19	1026	Soil	1	X					
21	S12-2	9/10/19	1116	Soil	1	X					
22	S13-2	9/10/19	1105	Soil	1	X					
23	COMP3-2								X	X	X
24	S14-0.5	9/10/19	1300	Soil	1	X					
25	S15-0.5	9/10/19	1136	Soil	1	X					
26	S16-0.5	9/10/19	1045	Soil	1	X					
27	COMP4-0.5								X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle Tz	Date: 9/11/19	Time: 15:03
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Page 35 of 38

10/1/2019

06/02/14 Revision

7095

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY:

DATE: 9/10/19

PAGE: 4 OF 5

LABORATORY CLIENT: Dudek	CLIENT PROJECT NAME / NUMBER: RCCD Norco
ADDRESS: 750 Second Street	P.O. NO.: 11283
CITY: Encinitas STATE: CA ZIP: 92024	PROJECT CONTACT: Susie Smith
TEL: 760-840-7526 E-MAIL: ssmith@dudek.com	SAMPLER(S): (PRINT) Divya Khandelwal, Susie Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PCBs (8082)	Dioxins & Furans (8290)	T22 Metals ☒ 6010/747X ☐ 6020/747X
28	S14-2	9/10/19	1301	soil	1	X					
29	S15-2	9/10/19	1137	soil	1	X					
30	S16-2	9/10/19	1046	soil	1	X					
31	COMP4-2								X	X	X
32	BA1-1	9/10/19	1425	soil	1	X					
33	BA2-1	9/10/19	1435	soil	1	X					
34	BA3-1	9/10/19	1400	soil	1	X					
35	BA4-1	9/10/19	1415	soil	1	X					
36	BACOMP1-1								X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle Co	Date: 9/11/19	Time: 15:03
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Page 90 of 138

10/4/2019

06/02/14 Revision

7095

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

WO # / LAB USE ONLY

CHAIN OF CUSTODY RECORD

DATE: 9/10/19

PAGE: 5 OF 5

LABORATORY CLIENT: Dudek	CLIENT PROJECT NAME / NUMBER: RCCD Norco
ADDRESS: 750 Second Street	P.O. NO.: 11283
CITY: Encinitas STATE: CA ZIP: 92024	PROJECT CONTACT: Susie Smith
TEL: 760-840-7526 E-MAIL: ssmith@dudek.com	SAMPLER(S): (PRINT) Divya Khandelwal, Susie Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF | GLOBAL ID: | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	PCBs (8082)	Dioxins & Furans (8290)	T22 Metals (☒ 6010/747X ☐ 6020/747X)
37	BA 1-2	9/10/19	1426	Soil	1	X					
38	BA 2-2	9/10/19	1436	Soil	1	X					
39	BA 3-2	9/10/19	1401	Soil	1	X					
40	BA 4-2	9/10/19	1416	Soil	1	X					
41	BACOMP1-2								X	X	X
42	EB-1	9/10/19	1500	AQ	4	X			X	X	X

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Dannyle EL	Date: 9/11/19	Time: 15:03
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

Page 2 of 3

10/4/2019

06/02/14 Revision

Login Sample Receipt Checklist

Client: Dudek & Associates

Job Number: 570-7095-2

Login Number: 7095
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	False	Improper containers received.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX F

Noise Calculations and Field Notes

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: NORCO COLLEGE VET CENTER — PROJECT #: 11283
SITE ID:
SITE ADDRESS:
OBSERVER(S): PETE VITTA
START DATE: 3/14/19 — END DATE: 3/14/19
START TIME: — END TIME:

METEOROLOGICAL CONDITIONS

TEMP: 61 F — HUMIDITY: 15 % R.H. — WIND: CALM LIGHT (MODERATE) VARIABLE STEADY (GUSTY)
WINDSPD: 16 MPH — DIR. N NE S SE S SW W NW
SKY: (SUNNY) (CLEAR) OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT: PICCOLO SLM-3 — TYPE 1 2 — SERIAL # 1403T0004
CALIBRATOR: B&K 4231 — SERIAL # 4801ST
CALIBRATION CHECK — PRE-TEST _____ dBA SPL — POST-TEST _____ dBA SPL — WINDSCRN YES

SETTINGS: A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST-1) 10-11	11:19	11:34	65.0	85.4	56.4				

COMMENTS: READING TAKEN ALONGSIDE NORCO COLLEGE STEM CENTER ANNEX BUILDING (1900 3RD STREET); PRIMARY NOISE SOURCE IS TRAFFIC ON 3RD STREET; SECONDARY IS LEAVES RUSTLING & FLAGPOLES IN WIND

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR EOP: ~~AP~~ 260' (FROM 3RD STREET)
TRAFFIC COUNT DURATION: 15 MIN — SPEED ___ MIN — SPEED

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ✓	COUNT 2 (OR RDWY 2) NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	258								
MED TRKS	1								
HVY TRKS	0								
BUSES	2								
MOTRCLS	3								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT (RUSTLING LEAVES) DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH

TERRAIN: HARD SOFT (MIXED) FLAT OTHER:
PHOTOS: 3963; 3964; 3965; 3966; 3967; 3968
OTHER COMMENTS / SKETCH

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: NORCO COLLEGE VET CENTER
PROJECT #: 11283
SITE ID:
SITE ADDRESS:
OBSERVER(S): PETE VITAR
START DATE: 3/14/19 END DATE: 3/14/19
START TIME: END TIME:

METEOROLOGICAL CONDITIONS

TEMP: 62 F HUMIDITY: 15 % R.H. WIND: CALM LIGHT MODERATE
WINDSPD: 17 MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY
SKY: SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS

MEAS. INSTRUMENT: PICCOLO SLM-3 TYPE 1 2 SERIAL #: 140317004
CALIBRATOR: BSWA CA 114 SERIAL #: 480151
CALIBRATION CHECK: PRE-TEST ____ dBA SPL POST-TEST ____ dBA SPL WINDSCRN: YES

SETTINGS: A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
ST-2 12-13	11:50	12:05	64.0	76.9	58.5				

COMMENTS
READING TAKEN ON SOUTH SIDE OF JOHN F. KENNEDY HIGH SCHOOL ALONG 3RD ST; PRIMARY NOISE SOURCE IS TRAFFIC ON 3RD ST; SECONDARY IS LEAVES RUSTLING IN WIND; SOME AUDIBLE DISTANT TRAFFIC NOISE FROM 15 FREEWAY

SOURCE INFO AND TRAFFIC COUNTS

PRIMARY NOISE SOURCE: TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR EOP: APX 165' (FROM 3RD ST)
TRAFFIC COUNT DURATION: 15 MIN SPEED ____ MIN SPEED

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2) NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	209								
MED TRKS	0								
HVY TRKS	0								
BUSES	1								
MOTRCLS	1								

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH

TERRAIN: HARD SOFT MIXED FLAT OTHER:
PHOTOS: 3970; 3971; 3972; 3973; 3974; 3975
OTHER COMMENTS / SKETCH

DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT NORCO COLLEGE VET CENTER — PROJECT # 11283
SITE ID
SITE ADDRESS — OBSERVER(S) REYE VIVAR
START DATE 3/19/19 — END DATE 3/19/19
START TIME — END TIME

METEOROLOGICAL CONDITIONS
TEMP 58 F — HUMIDITY 72 % R.H. — WIND (CALM) LIGHT MODERATE
WINDSPD ____ MPH — DIR. N NE S SE S SW W NW — VARIABLE STEADY GUSTY
SKY SUNNY CLEAR — OVRCAST (PRTLY CLDY) — FOG — RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT PICCOLO SLM-3 — TYPE 1 2 — SERIAL # 14031004
CALIBRATOR BSWA CA 114 — SERIAL # 480151
CALIBRATION CHECK — PRE-TEST ____ dBA SPL — POST-TEST ____ dBA SPL — WINDSCRN YES

SETTINGS — A-WTD (SLOW) FAST — FRONTAL RANDOM ANSI — OTHER:

(ST3) REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
16-17	9:23	9:38	60.6	73.3	55.2				

COMMENTS
READING TAKEN AT NORTH PROPERTY LINE OF RESIDENCE AT 2399 MOUNTAIN AVE; PRIMARY NOISE SOURCE IS TRAFFIC ON THIRD ST.; SOME AUDIBLE NOISE FROM TRAFFIC ON I5 FREEWAY

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR (EOP) APX. 320'
TRAFFIC COUNT DURATION: 15 MIN — SPEED

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED
AUTOS	543			
MED TRKS	1			
HVY TRKS	0			
BUSES	1			
MOTRCLS	1			

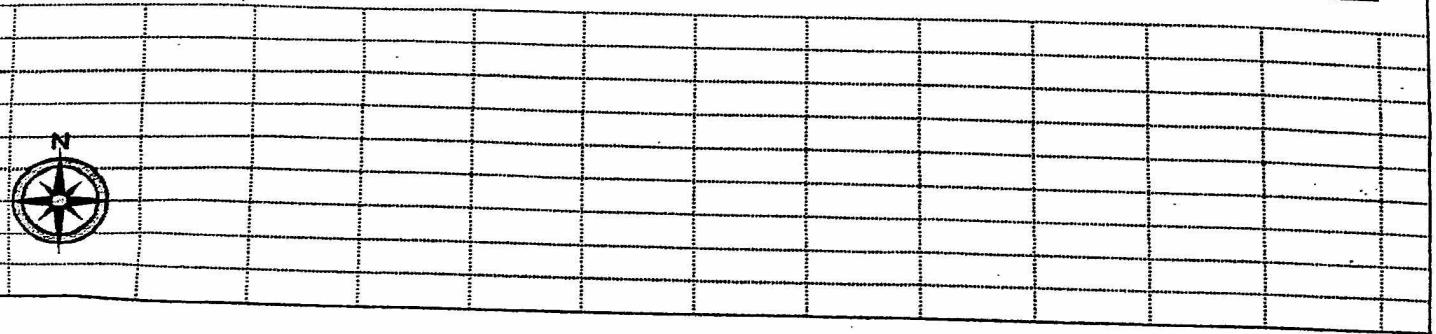
IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ____

COUNT 2 (OR RDWY 2)	____ MIN NB/EB	SB/WB	NB/EB SPEED	SB/WB SPEED

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING (DIST. TRAFFIC (LIST RDWYS BELOW)) DISTD GARDENERS/LANDSCAPING NOISE
OTHER: SOME NOISE FROM I5 FREEWAY

DESCRIPTION / SKETCH
TERRAIN HARD SOFT (MIXED) FLAT OTHER:
PHOTOS 4017; 4018; 4019; 4020; 4021; 4022
OTHER COMMENTS / SKETCH



DUDEK

FIELD NOISE MEASUREMENT DATA

PROJECT: NORCO COLLEGE VET CENTER — PROJECT #: 11283
SITE ID:
SITE ADDRESS:
OBSERVER(S): PETE VITAR
START DATE: 3/14/19 — END DATE: 3/14/19
START TIME: — END TIME:

METEOROLOGICAL CONDITIONS
TEMP: 61 F — HUMIDITY: 15 % R.H. — WIND: CALM LIGHT (MODERATE) VARIABLE STEADY (GUSTY)
WINDSPD: 16 MPH — DIR. N NE S SE S SW W NW
SKY: (SUNNY) (CLEAR) OVRCAST PRTLY CLDY FOG RAIN

ACOUSTIC MEASUREMENTS
MEAS. INSTRUMENT: PICCOLO SLM-3 — TYPE 1 2 — SERIAL # 14031704
CALIBRATOR: BSWA CA 111 — SERIAL # 480151
CALIBRATION CHECK — PRE-TEST _____ dBA SPL — POST-TEST _____ dBA SPL — WINDSCRN YES

SETTINGS: A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER:

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC
(ST-4) 8-9	10:48	11:03	61.9	71.8	57.6				

COMMENTS: PEDESTRIAN TRAIL ON NORCO COLLEGE CAMPUS IN FRONT OF STUDENT SERVICES BUILDING; PRIMARY NOISE SOURCE IS VEHICLES ENTERING & EXITING PARKING LOT ALONG CAMPUS ACCESS DRIVE; SECONDARY IS LEAVES RUSTLING IN WIND.

SOURCE INFO AND TRAFFIC COUNTS
PRIMARY NOISE SOURCE: (TRAFFIC) AIRCRAFT RAIL INDUSTRIAL OTHER:
ROADWAY TYPE: ASPHALT — DIST. TO RDWY C/L OR (EOP): 28' (TO CAMPUS ACCESS DRIVE)
TRAFFIC COUNT DURATION: 15 MIN

COUNT 1 (OR RDWY 1) DIRECTION	NB/EB	SB/WB	SPEED NB/EB	SPEED SB/WB
AUTOS	46			
MED TRKS	0			
HVY TRKS	0			
BUSES	0			
MOTRCLS	0			

IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE ☐

COUNT 2 (OR RDWY 2)	MIN NB/EB	MIN SB/WB	SPEED NB/EB	SPEED SB/WB

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE
POSTED SPEED LIMIT SIGNS SAY:

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT (RUSTLING LEAVES) DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL
DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE
OTHER:

DESCRIPTION / SKETCH
TERRAIN: HARD SOFT (MIXED) FLAT OTHER:
PHOTOS: 3959; 3960; 3961; 3962
OTHER COMMENTS / SKETCH

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/22/2019
Case Descr Norco College Welcome Center - Demolition

---- Receptor #1 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	110	0
Concrete Saw	No	20		89.6	110	0
Backhoe	No	40		77.6	120	0
Front End Loader	No	40		79.1	130	0
Tractor	No	40	84		120	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	74.8	70.8	N/A	N/A	N/A	N/A
Concrete Saw	82.7	75.7	N/A	N/A	N/A	N/A
Backhoe	70	66	N/A	N/A	N/A	N/A
Front End Loader	70.8	66.8	N/A	N/A	N/A	N/A
Tractor	76.4	72.4	N/A	N/A	N/A	N/A
Total	82.7	78.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	175	0
Concrete Saw	No	20		89.6	175	0
Backhoe	No	40		77.6	175	0
Front End Loader	No	40		79.1	175	0
Tractor	No	40	84		175	0

			Results			
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	70.8	66.8	N/A	N/A	N/A	N/A
Concrete Saw	78.7	71.7	N/A	N/A	N/A	N/A
Backhoe	66.7	62.7	N/A	N/A	N/A	N/A
Front End Loader	68.2	64.2	N/A	N/A	N/A	N/A
Tractor	73.1	69.1	N/A	N/A	N/A	N/A
Total	78.7	75.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Dozer	No	40		81.7	170	0
Concrete Saw	No	20		89.6	180	0
Backhoe	No	40		77.6	190	0
Front End Loader	No	40		79.1	170	0
Tractor	No	40	84		180	0

			Results			
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	71	67.1	N/A	N/A	N/A	N/A
Concrete Saw	78.5	71.5	N/A	N/A	N/A	N/A
Backhoe	66	62	N/A	N/A	N/A	N/A
Front End Loader	68.5	64.5	N/A	N/A	N/A	N/A
Tractor	72.9	68.9	N/A	N/A	N/A	N/A
Total	78.5	74.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding

Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Dozer	No	40		81.7	280	0
Concrete Saw	No	20		89.6	280	0
Backhoe	No	40		77.6	280	0
Front End Loader	No	40		79.1	280	0
Tractor	No	40	84		280	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	66.7	62.7	N/A	N/A	N/A	N/A
Concrete Saw	74.6	67.6	N/A	N/A	N/A	N/A
Backhoe	62.6	58.6	N/A	N/A	N/A	N/A
Front End Loader	64.1	60.2	N/A	N/A	N/A	N/A
Tractor	69	65.1	N/A	N/A	N/A	N/A
Total	74.6	71	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/22/2019
Case Descr Norco College Welcome Center - Site Prep

---- Receptor #1 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		110	0
Backhoe	No	40		77.6	110	0
Scraper	No	40		83.6	120	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	78.2	74.2	N/A	N/A	N/A	N/A
Backhoe	70.7	66.7	N/A	N/A	N/A	N/A
Scraper	76	72	N/A	N/A	N/A	N/A
Total	78.2	76.7	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		175	0
Backhoe	No	40		77.6	175	0
Scraper	No	40		83.6	175	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	74.1	70.1	N/A	N/A	N/A	N/A
Backhoe	66.7	62.7	N/A	N/A	N/A	N/A

Scraper	72.7	68.7	N/A	N/A	N/A	N/A
Total	74.1	72.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		170	0
Backhoe	No	40		77.6	180	0
Scraper	No	40		83.6	170	0

	Calculated (dBA)		Results Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	74.4	70.4	N/A	N/A	N/A	N/A
Backhoe	66.4	62.5	N/A	N/A	N/A	N/A
Scraper	73	69	N/A	N/A	N/A	N/A
Total	74.4	73.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85		280	0
Backhoe	No	40		77.6	280	0
Scraper	No	40		83.6	280	0

	Calculated (dBA)		Results Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	70	66.1	N/A	N/A	N/A	N/A
Backhoe	62.6	58.6	N/A	N/A	N/A	N/A
Scraper	68.6	64.6	N/A	N/A	N/A	N/A

Total	70	68.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/22/2019
Case Descr Norco College Welcome Center - Grading

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care (	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	110	0
Backhoe	No	40		77.6	110	0
Tractor	No	40	84		120	0
Grader	No	40	85		130	0

	Calculated (dBA)		Results Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	74.8	70.8	N/A	N/A	N/A	N/A
Backhoe	70.7	66.7	N/A	N/A	N/A	N/A
Tractor	76.4	72.4	N/A	N/A	N/A	N/A
Grader	76.7	72.7	N/A	N/A	N/A	N/A
Total	76.7	77.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care (	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	175	0
Backhoe	No	40		77.6	175	0
Tractor	No	40	84		175	0
Grader	No	40	85		175	0

	Calculated (dBA)		Results Noise Limits (dBA)			
			Day		Evening	

Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	70.8	66.8	N/A	N/A	N/A	N/A
Backhoe	66.7	62.7	N/A	N/A	N/A	N/A
Tractor	73.1	69.1	N/A	N/A	N/A	N/A
Grader	74.1	70.1	N/A	N/A	N/A	N/A
Total	74.1	74	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	170	0
Backhoe	No	40		77.6	180	0
Tractor	No	40	84		170	0
Grader	No	40	85		190	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	71	67.1	N/A	N/A	N/A	N/A
Backhoe	66.4	62.5	N/A	N/A	N/A	N/A
Tractor	73.4	69.4	N/A	N/A	N/A	N/A
Grader	73.4	69.4	N/A	N/A	N/A	N/A
Total	73.4	73.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	280	0
Backhoe	No	40		77.6	280	0
Tractor	No	40	84		280	0
Grader	No	40	85		280	0

	Results					
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	66.7	62.7	N/A	N/A	N/A	N/A
Backhoe	62.6	58.6	N/A	N/A	N/A	N/A
Tractor	69	65.1	N/A	N/A	N/A	N/A
Grader	70	66.1	N/A	N/A	N/A	N/A
Total	70	69.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/22/2019
Case Descr Norco College Welcome Center - Building Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Child Care	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	110	0
Man Lift	No	20		74.7	110	0
Man Lift	No	20		74.7	120	0
Front End Loader	No	40		79.1	110	0
Welder / Torch	No	40		74	110	0
Welder / Torch	No	40		74	130	0
Welder / Torch	No	40		74	140	0
Generator	No	50		80.6	120	0

Equipment	Results Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq
Crane	73.7	65.7	N/A	N/A	N/A	N/A
Man Lift	67.9	60.9	N/A	N/A	N/A	N/A
Man Lift	67.1	60.1	N/A	N/A	N/A	N/A
Front End Loader	72.3	68.3	N/A	N/A	N/A	N/A
Welder / Torch	67.2	63.2	N/A	N/A	N/A	N/A
Welder / Torch	65.7	61.7	N/A	N/A	N/A	N/A
Welder / Torch	65.1	61.1	N/A	N/A	N/A	N/A
Generator	73	70	N/A	N/A	N/A	N/A
Total	73.7	74.4	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Child Care	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)

Crane	No	16	80.6	175	0
Man Lift	No	20	74.7	175	0
Man Lift	No	20	74.7	175	0
Front End Loader	No	40	79.1	175	0
Welder / Torch	No	40	74	175	0
Welder / Torch	No	40	74	175	0
Welder / Torch	No	40	74	175	0
Generator	No	50	80.6	175	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	69.7	61.7	N/A	N/A	N/A	N/A
Man Lift	63.8	56.8	N/A	N/A	N/A	N/A
Man Lift	63.8	56.8	N/A	N/A	N/A	N/A
Front End Loader	68.2	64.2	N/A	N/A	N/A	N/A
Welder / Torch	63.1	59.1	N/A	N/A	N/A	N/A
Welder / Torch	63.1	59.1	N/A	N/A	N/A	N/A
Welder / Torch	63.1	59.1	N/A	N/A	N/A	N/A
Generator	69.7	66.7	N/A	N/A	N/A	N/A
Total	69.7	70.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	170	0
Man Lift	No	20		74.7	180	0
Man Lift	No	20		74.7	170	0
Front End Loader	No	40		79.1	190	0
Welder / Torch	No	40		74	170	0
Welder / Torch	No	40		74	190	0
Welder / Torch	No	40		74	200	0
Generator	No	50		80.6	180	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	69.9	62	N/A	N/A	N/A	N/A

Man Lift	63.6	56.6	N/A	N/A	N/A	N/A
Man Lift	64.1	57.1	N/A	N/A	N/A	N/A
Front End Loader	67.5	63.5	N/A	N/A	N/A	N/A
Welder / Torch	63.4	59.4	N/A	N/A	N/A	N/A
Welder / Torch	62.4	58.4	N/A	N/A	N/A	N/A
Welder / Torch	62	58	N/A	N/A	N/A	N/A
Generator	69.5	66.5	N/A	N/A	N/A	N/A
Total	69.9	70.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	280	0
Man Lift	No	20		74.7	280	0
Man Lift	No	20		74.7	280	0
Front End Loader	No	40		79.1	280	0
Welder / Torch	No	40		74	280	0
Welder / Torch	No	40		74	280	0
Welder / Torch	No	40		74	280	0
Generator	No	50		80.6	280	0

	Results					
	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	65.6	57.6	N/A	N/A	N/A	N/A
Man Lift	59.7	52.7	N/A	N/A	N/A	N/A
Man Lift	59.7	52.7	N/A	N/A	N/A	N/A
Front End Loader	64.1	60.2	N/A	N/A	N/A	N/A
Welder / Torch	59	55.1	N/A	N/A	N/A	N/A
Welder / Torch	59	55.1	N/A	N/A	N/A	N/A
Welder / Torch	59	55.1	N/A	N/A	N/A	N/A
Generator	65.7	62.7	N/A	N/A	N/A	N/A
Total	65.7	66.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/22/2019
Case Descr Norco College Welcome Center - Trenching

---- Receptor #1 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care (	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compactor (ground)	No	20		83.2	110	0
Backhoe	No	40		77.6	110	0
Slurry Trenching Machine	No	50		80.4	120	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compactor (ground)	76.4	69.4	N/A	N/A	N/A	N/A
Backhoe	70.7	66.7	N/A	N/A	N/A	N/A
Slurry Trenching Machine	72.8	69.7	N/A	N/A	N/A	N/A
Total	76.4	73.6	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care (	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compactor (ground)	No	20		83.2	175	0
Backhoe	No	40		77.6	175	0
Slurry Trenching Machine	No	50		80.4	175	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compactor (ground)	72.3	65.4	N/A	N/A	N/A	N/A
Backhoe	66.7	62.7	N/A	N/A	N/A	N/A

Slurry Trenching Machine	69.5	66.5	N/A	N/A	N/A	N/A
Total	72.3	69.9	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compactor (ground)	No	20		83.2	170	0
Backhoe	No	40		77.6	180	0
Slurry Trenching Machine	No	50		80.4	170	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compactor (ground)	72.6	65.6	N/A	N/A	N/A	N/A
Backhoe	66.4	62.5	N/A	N/A	N/A	N/A
Slurry Trenching Machine	69.7	66.7	N/A	N/A	N/A	N/A
Total	72.6	70	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compactor (ground)	No	20		83.2	280	0
Backhoe	No	40		77.6	280	0
Slurry Trenching Machine	No	50		80.4	280	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compactor (ground)	68.3	61.3	N/A	N/A	N/A	N/A
Backhoe	62.6	58.6	N/A	N/A	N/A	N/A
Slurry Trenching Machine	65.4	62.4	N/A	N/A	N/A	N/A

Total	68.3	65.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/22/2019
Case Descr Norco College Welcome Center - Paving

---- Receptor #1 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care (	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	110	0
Concrete Mixer Truck	No	40		78.8	110	0
Roller	No	20		80	120	0
Roller	No	20		80	130	0
Front End Loader	No	40		79.1	120	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	70.4	67.4	N/A	N/A	N/A	N/A
Concrete Mixer Truck	72	68	N/A	N/A	N/A	N/A
Roller	72.4	65.4	N/A	N/A	N/A	N/A
Roller	71.7	64.7	N/A	N/A	N/A	N/A
Front End Loader	71.5	67.5	N/A	N/A	N/A	N/A
Total	72.4	73.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care (	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	175	0
Concrete Mixer Truck	No	40		78.8	175	0
Roller	No	20		80	175	0
Roller	No	20		80	175	0
Front End Loader	No	40		79.1	175	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	66.3	63.3	N/A	N/A	N/A	N/A
Concrete Mixer Truck	67.9	63.9	N/A	N/A	N/A	N/A
Roller	69.1	62.1	N/A	N/A	N/A	N/A
Roller	69.1	62.1	N/A	N/A	N/A	N/A
Front End Loader	68.2	64.2	N/A	N/A	N/A	N/A
Total	69.1	70.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	170	0
Concrete Mixer Truck	No	40		78.8	180	0
Roller	No	20		80	170	0
Roller	No	20		80	190	0
Front End Loader	No	40		79.1	180	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	66.6	63.6	N/A	N/A	N/A	N/A
Concrete Mixer Truck	67.7	63.7	N/A	N/A	N/A	N/A
Roller	69.4	62.4	N/A	N/A	N/A	N/A
Roller	68.4	61.4	N/A	N/A	N/A	N/A
Front End Loader	68	64	N/A	N/A	N/A	N/A
Total	69.4	70.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Equipment

Impact	Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding

Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)	
Paver	No	50		77.2	280		0
Concrete Mixer Truck	No	40		78.8	280		0
Roller	No	20		80	280		0
Roller	No	20		80	280		0
Front End Loader	No	40		79.1	280		0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Paver	62.3	59.2	N/A	N/A	N/A	N/A
Concrete Mixer Truck	63.8	59.9	N/A	N/A	N/A	N/A
Roller	65	58	N/A	N/A	N/A	N/A
Roller	65	58	N/A	N/A	N/A	N/A
Front End Loader	64.1	60.2	N/A	N/A	N/A	N/A
Total	65	66.2	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report dat 2/22/2019
Case Descr Norco College Welcome Center - Architectural Coatings

---- Receptor #1 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care (	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	110	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	70.8	66.8	N/A	N/A	N/A	N/A
Total	70.8	66.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Child Care (	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	175	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	66.8	62.8	N/A	N/A	N/A	N/A
Total	66.8	62.8	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	170	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	67	63.1	N/A	N/A	N/A	N/A
Total	67	63.1	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residences	Residential	60	55	50

Equipment

Description	Impact Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	280	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)	62.7	58.7	N/A	N/A	N/A	N/A
Total	62.7	58.7	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

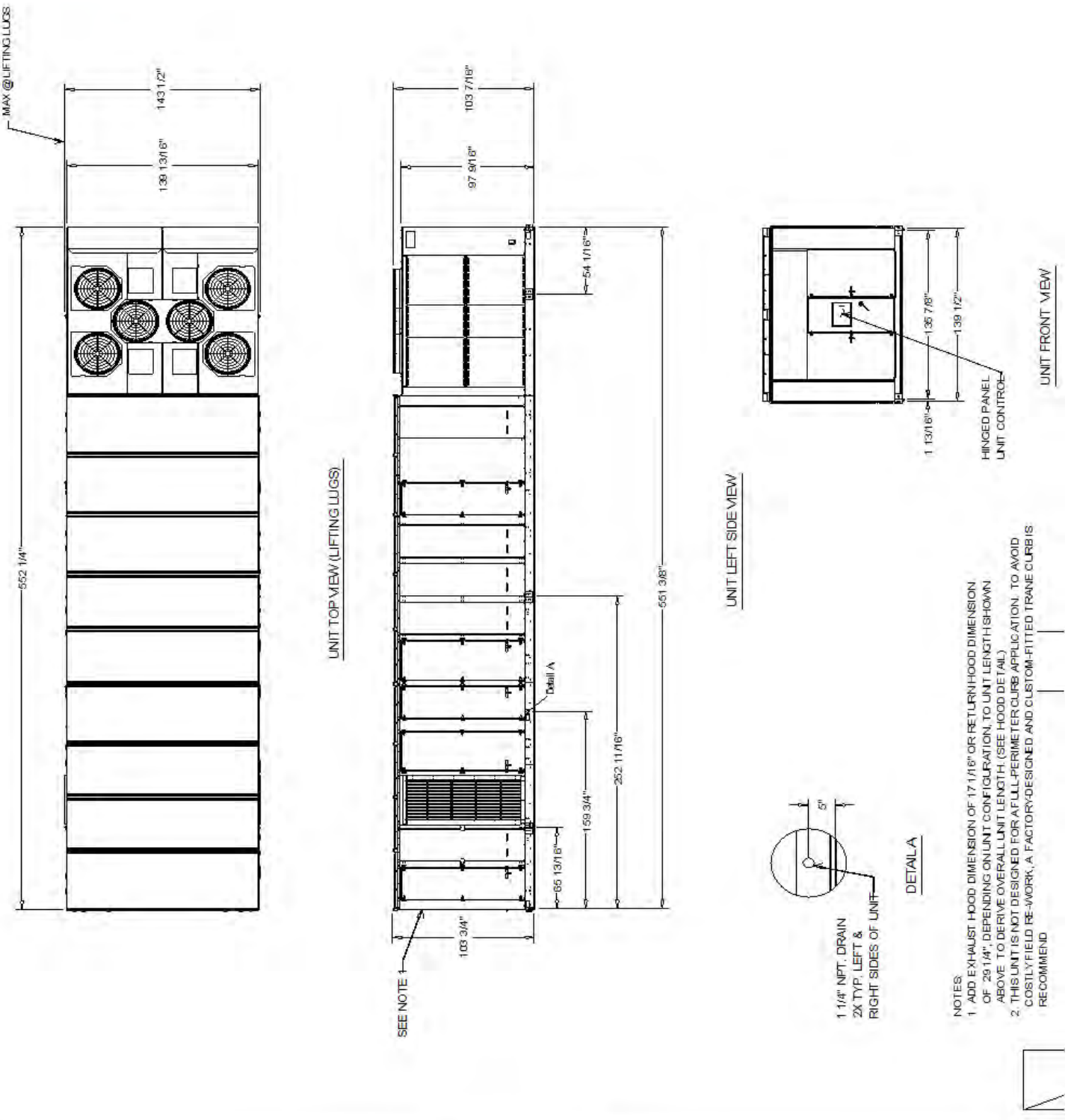
105-Ton Unit (per spec sheet)

	63	**125**	**250**	**500**	**1000**	**2000**	**4000**	**8000**
Outdoor Noise PWL	106	104	105	106	103	101	96	90
Conversion to A-weighting	*-26.2*	*-16.1*	*-8.6*	*-3.2*	*0*	*1.2*	*1*	*-1.1*
A-weighted level	79.8	87.9	96.4	102.8	103	102.2	97	88.9

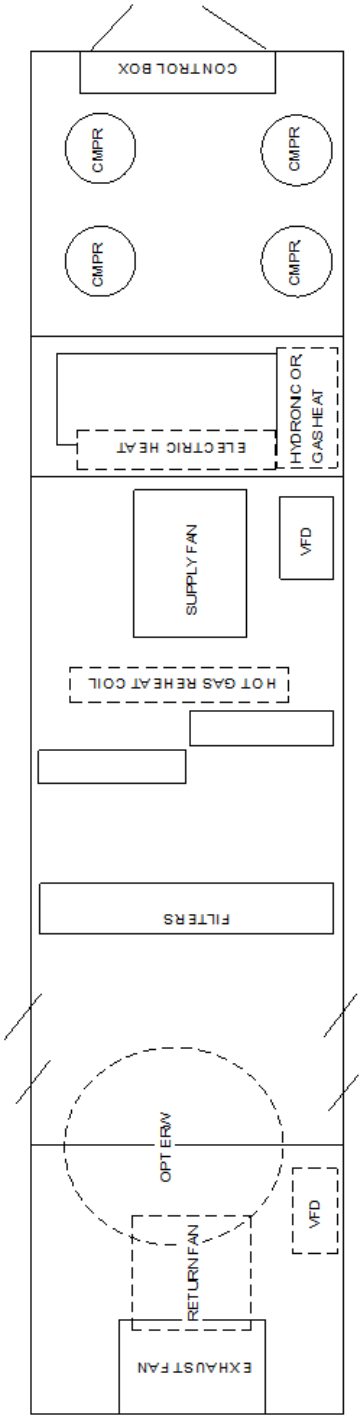
Overall A-weighted PWL 108.2

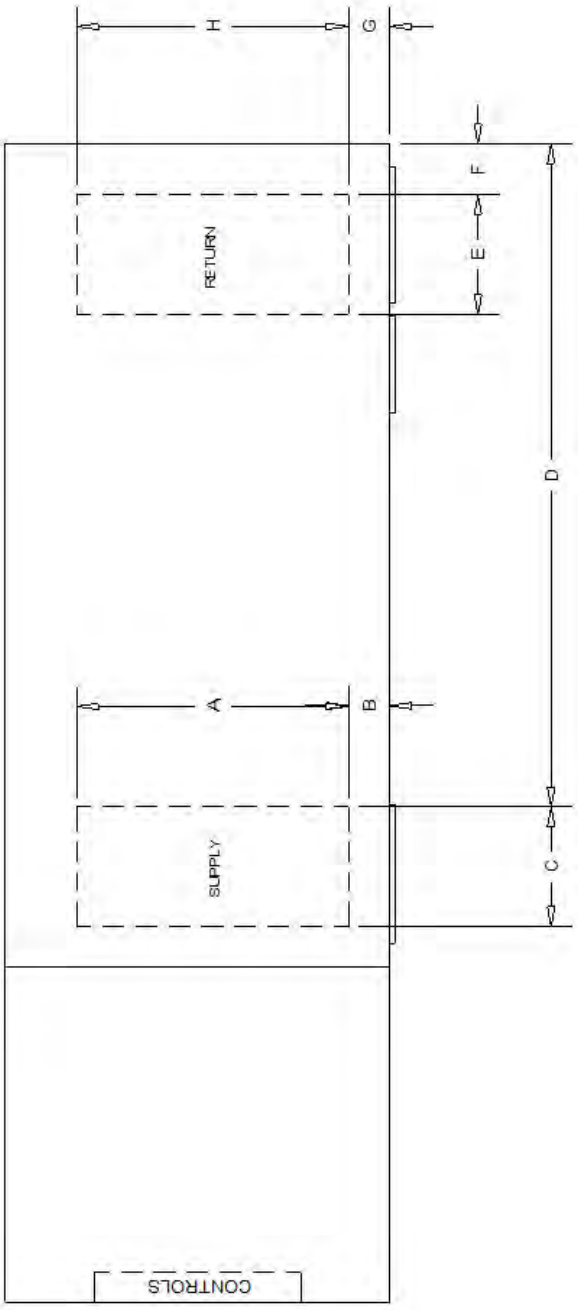
20-Ton Unit (per spec sheet)

Overall A-weighted PWL 92.2


MAX @LIFTING LUGS
143 1/2"
139 13/16"
552 1/4"
UNIT TOP VIEW (LIFTING LUGS)
103 7/16"
97 9/16"
54 1/16"
Detail A
551 3/8"
252 11/16"
159 3/4"
65 13/16"
103 3/4"
SEE NOTE 1
UNIT LEFT SIDE VIEW
135 7/8"
139 1/2"
1 13/16"
HINGED PANEL
UNIT CONTROL
UNIT FRONT VIEW
5"
1 1/4" NPT. DRAIN
2X TYP. LEFT &
RIGHT SIDES OF UNIT
DETAIL A
NOTES:
1. ADD EXHAUST HOOD DIMENSION OF 171/16" OR RETURN HOOD DIMENSION OF 291/4", DEPENDING ON UNIT CONFIGURATION, TO UNIT LENGTH SHOWN ABOVE TO DERIVE OVERALL UNIT LENGTH. (SEE HOOD DETAIL)
2. THIS UNIT IS NOT DESIGNED FOR A FULL-PERIMETER CURB APPLICATION. TO AVOID COSTLY FIELD RE-WORK, A FACTORY-DESIGNED AND CUSTOM-FITTED TRANE CURB IS RECOMMEND

NOTES:
1. BLANK SECTION NOT INCLUDED IN DRAWING. IF UNIT HAS BLANK SECTION IT WILL BE LOCATED BETWEEN THE CONDENSER BULK HEAD AND THE SUPPLY FAN BOARD.
2. DRAWING IS A GENERAL REPRESENTATION OF THE UNIT LAYOUT.

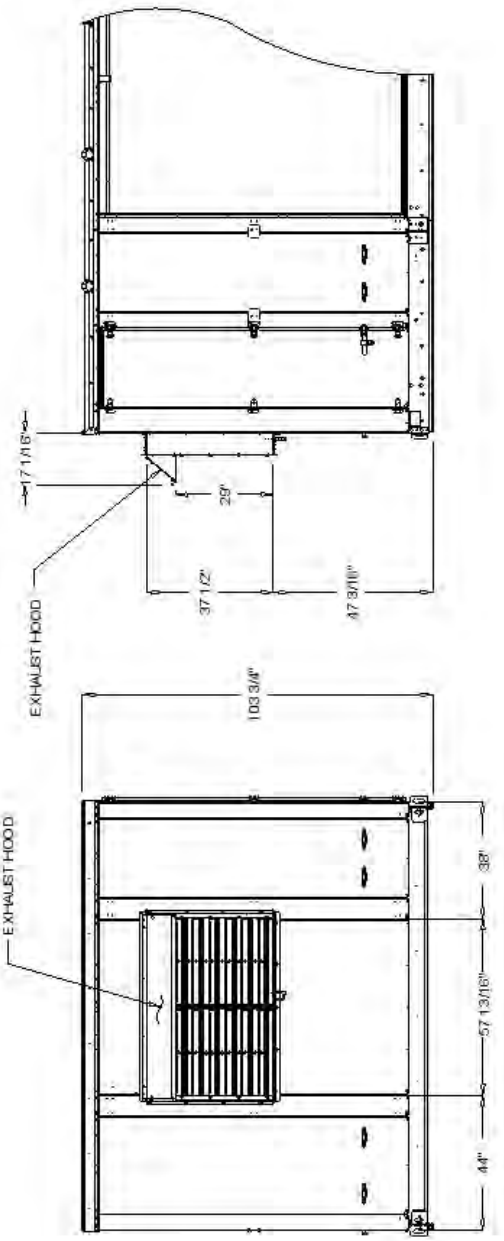




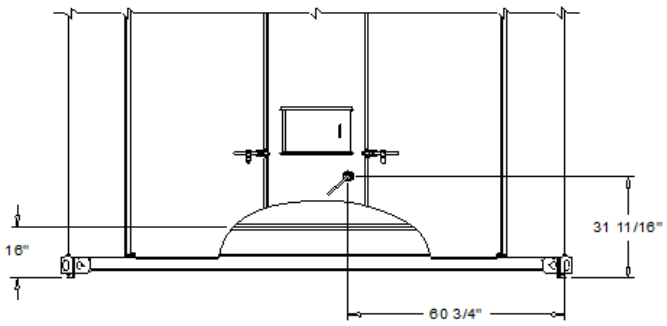
DIMENSION								
TONNAGE	A	B	C	D	E	F	G	H
90 - 118	102 1/2"	13"	47 7/8"	352 1/2"	48 3/16"	14 13/16"	8 7/8"	121 15/16"

DOWN FLOW SUPPLY / UPFLOW RETURN

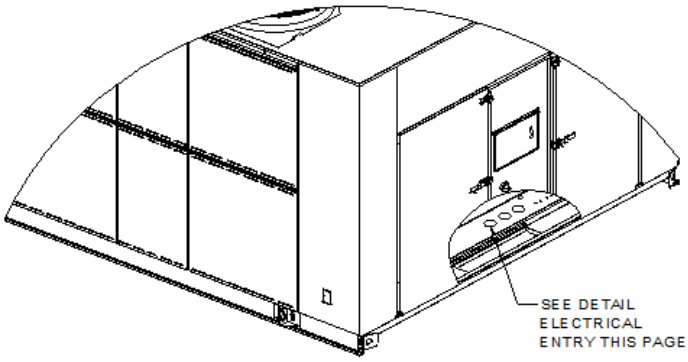
PLAN VIEW OF UNIT



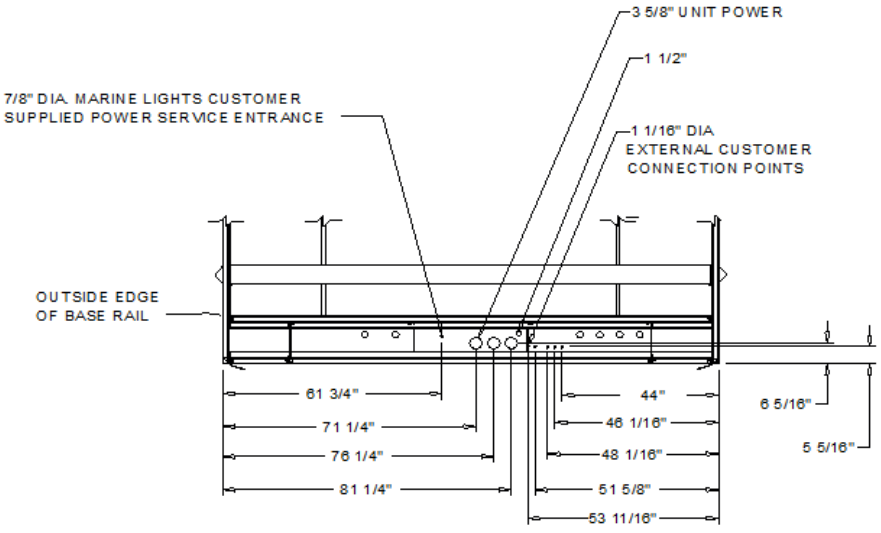
EXHAUST END VIEW



UNIT CONTROL BOX END VIEW
LEFT SIDE



UNIT ISOMETRIC VIEW
LEFT SIDE



ELECTRICAL ENTIRE
PLAN VIEW

ELECTRICAL / GENERAL DATA

GENERAL (2)(3)(4)

Tons: Unit	105
Operating Voltage Range:	414-506
Unit Primary Voltage:	460
Unit Hertz:	60
Unit Phase:	3
EER at ARI 360 rating conditions:	9.9 EER

MISCELLANEOUS FULL LOAD AMPS

Energy Recovery Wheel
Full Load Amps: N/A

Control Power Transformer
Full Load Amps: 3

Crankcase Heaters
Full Load Amps: 1

HEATING - PERFORMANCE

Heat Input:	N/A
Heat Output:	N/A
Capacity Steps:	N/A
Gas Inlet Pressure (MIN/MAX):	N/A
Gas Pipe Connection Size:	N/A

ELECTRIC HEATER

Electric Heater kW:	90
Electric Heater Full Load Amps:	108.30 A

COMPRESSOR (5)

Compressor 1 count	3.00 Each
Compressor 1 RLA	28.00 A
Compressor 2 count	1.00 Each
Compressor 2 RLA	34.10 A
Compressor 3 Count	0.00 Each
Compressor 3 RLA	0.00 A
Compressor 4 Count	0
Compressor 4 RLA	0.00 A
Compressor 5 Count	1
Compressor 5 RLA	42.90 A

SUPPLY FAN MOTOR

Number:	1
Horsepower:	60.0
Full Load Amps:	71.5

CONDENSER FAN MOTOR

Number:	6
Horsepower:	1.5
Full Load Amps:	16.2

EXHAUST / RETURN FAN MOTOR

Number:	1
Horsepower:	40.0
Full Load Amps:	47.6

FILTERS

Type	Standard 2" High Eff. Throwaway
Furnished:	Yes
Recommended Size:	21 - 20"x24"x2" 5- 12"x24"x2"
Prefilters:	N/A

FINAL FILTERS

Type	90-95% Hi Temp Cartridge w/Prefilters
Furnished:	Yes
Recommended Size:	15 - 24"x24"x12" 7 - 12"x24"x12"
Prefilters:	15 - 24"x24"x2" 7 - 12"x24"x2"

REFRIGERANT (5)

Type:	R410A
Refrigerant Charge	
Refrigerant Charge (Circuit #1):	65.0 lb
Refrigerant Charge (Circuit #2):	59.0 lb

EVAP. CONDENSER

Pump Horsepower:	N/A
Pump Full Load Amps :	N/A
Sump Heater Full Load Amps:	N/A
Sump Heater kW:	N/A

Cooling MCA = (1.25 x LOAD 1) + LOAD 2 + LOAD 4 Cooling MOP = (2.25 x LOAD 1) + LOAD 2 + LOAD 4 Cooling RDE = (1.50 x LOAD 1) + LOAD 2 + LOAD 4

NOTES:

1. Load 1 = Current of the largest motor Load 2 = Sum of the currents of all remaining motor; Load 3 = Current of electric heaters; Load 4 = Control Power Transformer 90-130 and 100 -140 ton units add 6 FL amps for wire sizing formula).

2. For Electric Heat MCA, MOP, RDE values, calculate for both cooling and heating modes using the larger value for sizing. (When determining Loads, the compressors do not operate when the unit is in heating mode) (Heating Load 4 = 12 amps on 200,230 volt units and 9 amps on 460, 575 volt units).

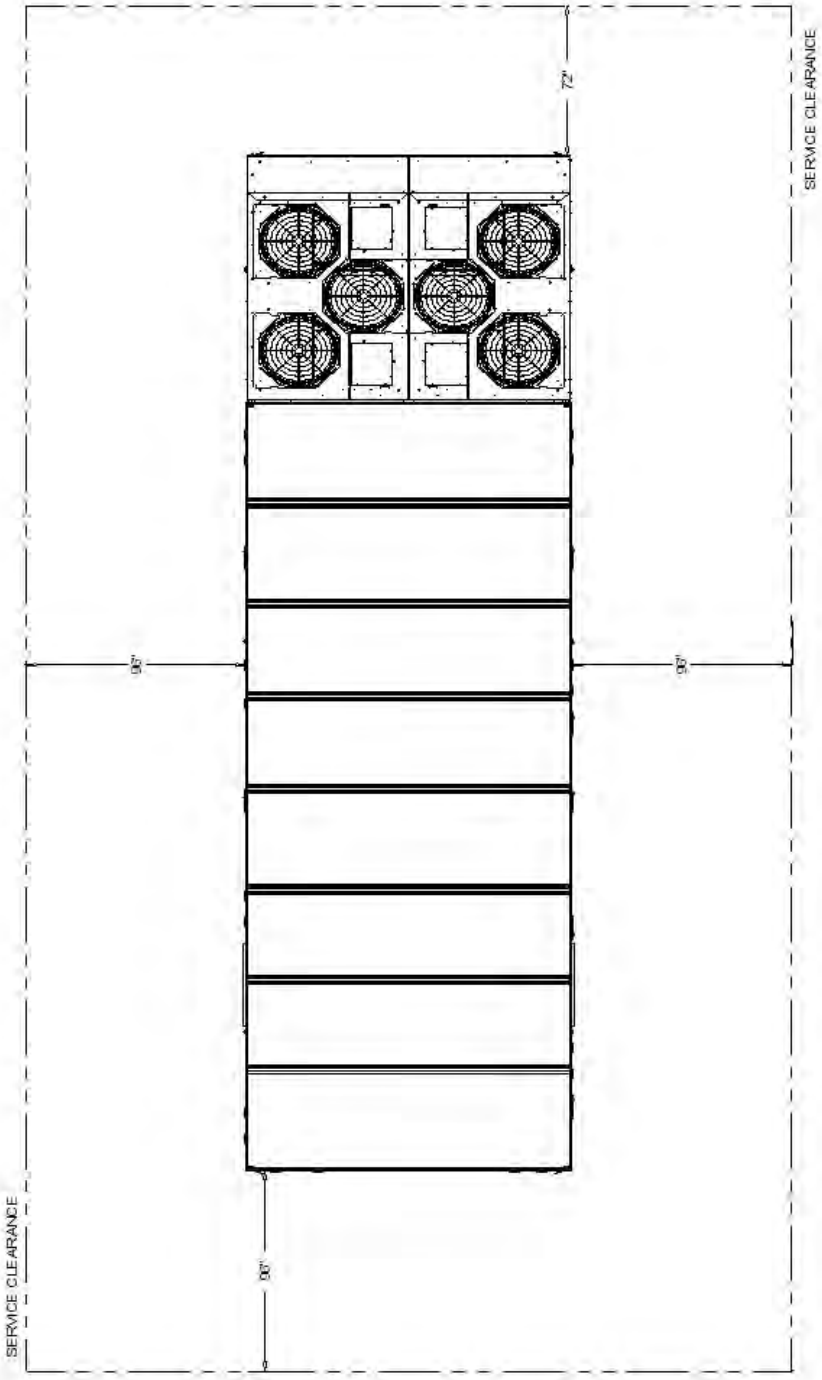
3. If selected MOP is less than the MCA, then select the lowest standard maximum fuse size that is equal to or less than the MCA, provided it does not exceed 800 amps.

4. If the selected Recommended Dual Element fuses size is greater then the selected Max Over current Protection value, then select the Recommended Dual Element fuse size Value to equal the Max over current protection value.

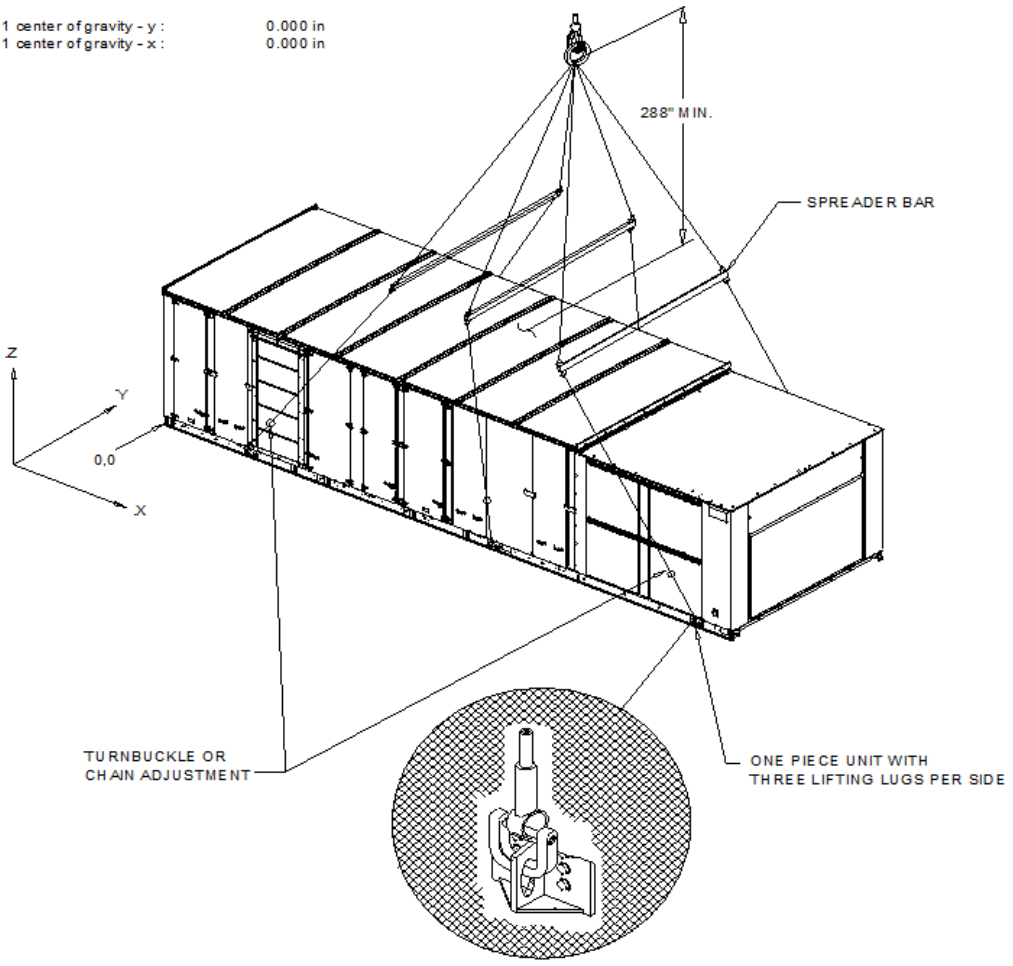
5. Compressor kW at AHRI Rating condition of 80/67/95.

6. All one piece IntelliPak II units are shipped fully charged from the factory. Multi-piece units will require field charging.

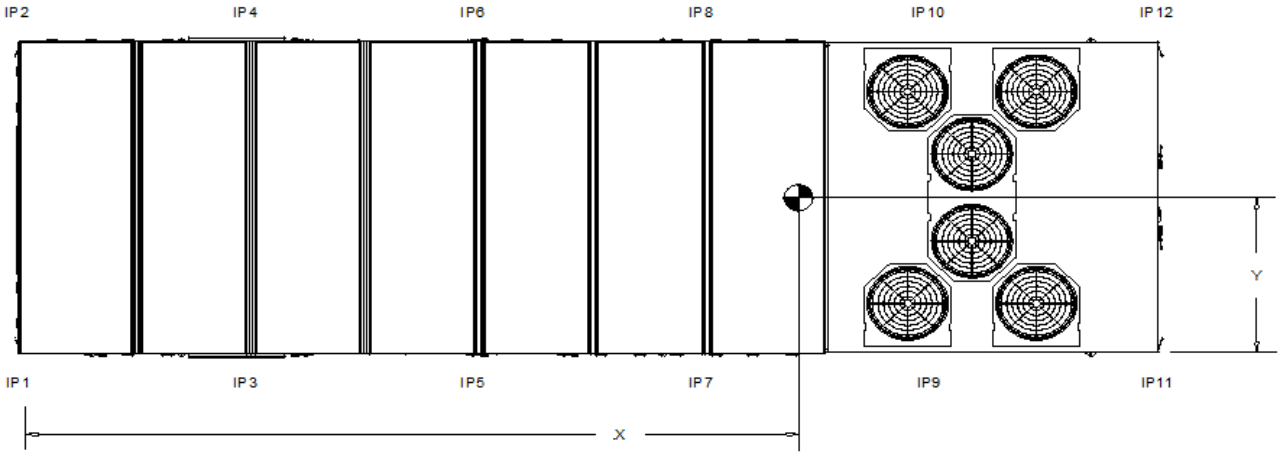
Note:
When 2 or more units are to be placed side by side, the distance between the units should be increased to 150% of the recommended single unit clearance. The units should also be staggered to reduce span deflection & assure proper diffusion of exhaust air.



Piece 1 - Total Weight :	20980.8 lb
Piece 1 One Type:	Complete Unit
Piece 1 - Lifting point loading 1 :	4071.7 lb
Piece 1 - Lifting point loading 2 :	3008.4 lb
Piece 1 - Lifting point loading 3 :	4049.7 lb
Piece 1 - Lifting point loading 4 :	3237.0 lb
Piece 1 - Lifting point loading 5 :	3387.6 lb
Piece 1 - Lifting point loading 6 :	3226.3 lb
Piece 1 - Lifting point loading 7 :	N/A
Piece 1 - Lifting point loading 8 :	N/A
Piece 1 - Lifting point loading 9 :	N/A
Piece 1 - Lifting point loading 10 :	N/A
Piece 1 - Lifting point loading 11 :	N/A
Piece 1 - Lifting point loading 12 :	N/A
Piece 1 First x dimension - Loading :	65.990 in
Piece 1 second x dimension - Loading :	252.850 in
Piece 1Third x dimension - Loading :	497.880 in
Piece 1 Fourth x dimension - Loading :	N/A
Piece 1 Fifth x dimension - Loading :	N/A
Piece 1 Sixth x dimension - Loading :	N/A
Piece 1 First y dimension - Loading :	N/A
Piece 1 Second y dimension - Loading :	N/A
Piece 1 center of gravity - y :	0.000 in
Piece 1 center of gravity - x :	0.000 in

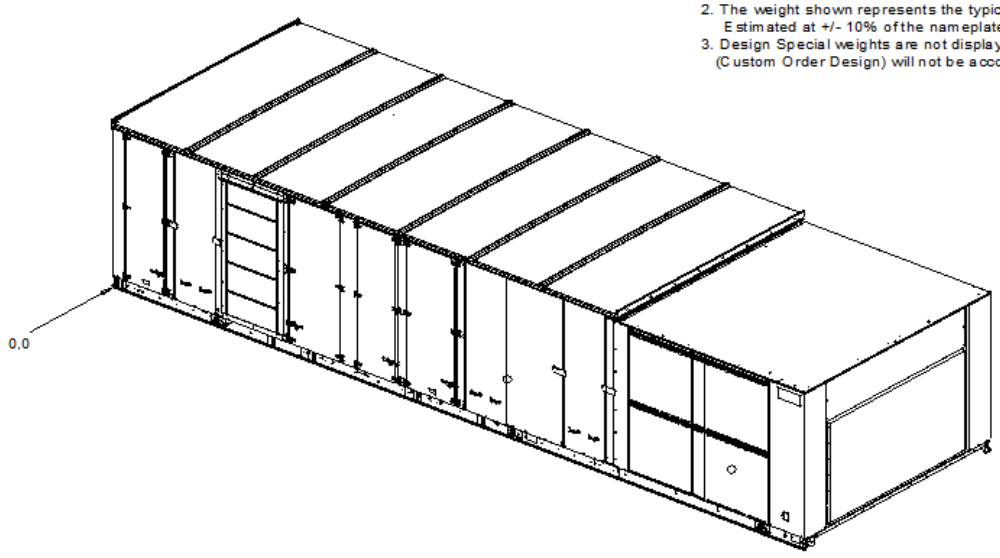


TYPICAL UNIT RIGGING



First x dimension - installed :	4.000 in	Installed point loading 1 :	1664.9 lb
second x dimension - installed :	107.500 in	Installed point loading 2 :	1130.5 lb
Third x dimension - installed :	211.000 in	Installed point loading 3 :	1881.6 lb
Fourth x dimension - installed :	314.500 in	Installed point loading 4 :	1600.5 lb
Fifth x dimension - installed :	410.924 in	Installed point loading 5 :	2546.7 lb
Sixth x dimension - installed :	524.024 in	Installed point loading 6 :	1739.5 lb
Seventh x dimension - installed :	N/A	Installed point loading 7 :	2298.6 lb
Eighth x dimension - installed :	N/A	Installed point loading 8 :	2012.5 lb
First y dimension - installed :	2.875 in	Installed point loading 9 :	1091.3 lb
Second y dimension - installed :	140.925 in	Installed point loading 10 :	1055.8 lb
Installed center of gravity - y :	63.022 in	Installed point loading 11 :	2026.0 lb
Installed center of gravity - x :	267.036 in	Installed point loading 12 :	1933.0 lb

1. Installed point loads for multiple piece units are only applicable for continuous rail support.
2. The weight shown represents the typical unit operating weight for the configuration selected. Estimated at +/- 10% of the nameplate weight.
3. Design Special weights are not displayed. Any weight added through COD (Custom Order Design) will not be accounted in the +/- 10% estimate t



INSTALL WEIGHT X-Y POINTS

90-162 Ton Packaged Industrial Rooftop

Job Information

Siavosh Selections
Los Angeles
(E94)Siavosh Asadi

Tag	**RTU-2**	Model number	**SEHJ105**
Nominal capacity	**105 Ton air cooled**	Unit type	**DX cooling/electric heat**

Model Description

Voltage selection	**460/60/3**	Heat capacity	**Electric heat 90/56 kW 60/50 Hz**
Supply fan airflow	**40000 cfm**	Exhaust / Return airflow	**40000 cfm**
		Damper Option	**Ultra low leak (Not Title 24)**
Unit configuration	**1 piece unit - w/ 8' blank section**	Miscellaneous options	**None**

System control	**VAV (DTC) with VFD w/ bypass**
Condenser coil selection	**Corrosion protected condenser coil**
Supply / return airflow configuration	**Downflow supply / upflow return**
Capacity, Efficiency, & drain pan	**eFlex/Std evap coil w/Galv drain pan**
Blank section application options	**Final 90-95% hightemp cartr w/prefilters**
Refrigeration system - A	**Standard**
Fresh air option	**Econ w/ dry bulb**
Power connection selection	**Terminal block**
Pre evaporator coil filter selection	**2 " high efficiency throw away**
Energy recovery wheel module	**None**
Reheat and hot gas bypass options	**Standard**

Cooling

Cooling EDB	**80.00 F**	Gross total capacity	**1257.86 MBh**
Cooling EWB	**67.00 F**	Gross sensible capacity	**993.66 MBh**
Ambient temp	**95.00 F**	Latent capacity	**264.20 MBh**
Leaving coil dry bulb	**58.03 F**	Net total capacity	**1104.28 MBh**
Leaving unit dry bulb	**61.55 F**	Net sensible capacity	**840.09 MBh**
Leaving unit wet bulb	**58.40 F**	System power	**146.16 kW**
EER @ AHRI	**9.9 EER**	IEER @ AHRI	**16.9 EER**
Fan motor heat	**153.57 MBh**	Elevation	

Reheat and hot gas bypass options	**Standard**	Reheat leaving dew point	

Power

Supply fan options	**Std CFM fan - TEFC high eff motor(s)**	100% Exhaust/Return fan options	**Std CFM Exhaust w/ VFD w/ Bypass w/ Sta**
Supply duct static pressure	**2.000 in H2O**	Return duct static pressure	**0.750 in H2O**
Total supply static pressure	**5.390 in H2O**	Component static pressure drop	**3.390 in H2O**
Supply fan RPM	**1200**	Exhaust/Return RPM	**500**
Actual Supply fan RPM	**1244 rpm**	Actual Exhaust / Return fan speed	**474 rpm**
Supply fan motor	**60 HP**	Exhaust/Return fan motor	**40 HP**

90-162 Ton Packaged Industrial Rooftop

Job Information

Siavosh Selections
Los Angeles
(E94)Siavosh Asadi

Tag	**RTU-2**	Model number	**SEHJ105**
Nominal capacity	**105 Ton air cooled**	Unit type	**DX cooling/electric heat**

Actual supply motor power	**56.33 bhp**	Actual Exhaust / Return motor power	**31.71 bhp**

Electrical

Minimum circuit ampacity	**318.58 A**	Compressor 1 count	**3.00 Each**
Maximum overcurrent protection	**350.00 A**	Compressor 1 RLA	**28.00 A**
Recommended dual element	**350.00 A**	Compressor 2 count	**1.00 Each**
Minimum disconnect switch size	**345.00 A**	Compressor 2 RLA	**34.10 A**
Supply fan motor FLA	**71.50 A**	Exhaust / Return fan motor FLA	**49.00 A**
Electric heater FLA	**108.30 A**	Condenser fan FLA	**16.20 A**
Crankcase heater FLA	**1.00 A**	Other FLA	**3.00 A**

Heating

Heat capacity	**Electric heat 90/56 kW 60/50 Hz**		
Heating entering air temperature	**70.00 F**	Output heating capacity	**307.35 MBh**
Heating leaving air temperature	**77.11 F**	Output heating capacity with fan	**458.32 MBh**

Acoustical Performance

Octave Band	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Supply duct	**96 dB**	**90 dB**	**96 dB**	**95 dB**	**90 dB**	**83 dB**	**79 dB**	**73 dB**
Return duct	**94 dB**	**88 dB**	**92 dB**	**92 dB**	**94 dB**	**91 dB**	**88 dB**	**82 dB**
Outdoor noise	**106 dB**	**104 dB**	**105 dB**	**106 dB**	**103 dB**	**101 dB**	**96 dB**	**90 dB**

Ducted Sound Power Rated in Accordance with ARI Standard 260.

Octave Band Sound Power in dB re 1 picoWatt.

"Discharge duct" is supply fan discharge sound power in the supply duct.

"Return duct" is supply fan inlet sound power in the return duct.

Weights

Total installed weight	**20980.8 lb**		
Installed point loading 1	**1664.9 lb**	Installed point loading 2	**1130.5 lb**
Installed point loading 3	**1881.6 lb**	Installed point loading 4	**1600.5 lb**
Installed point loading 5	**2546.7 lb**	Installed point loading 6	**1739.5 lb**
Installed point loading 7	**2298.6 lb**	Installed point loading 8	**2012.5 lb**
Installed point loading 9	**1091.3 lb**	Installed point loading 10	**1055.8 lb**
Installed point loading 11	**2026.0 lb**	Installed point loading 12	**1933.0 lb**
First x dimension - installed	**4.000 in**	Second x dimension - installed	**107.500 in**
Third x dimension - installed	**211.000 in**	Fourth x dimension - installed	**314.500 in**
First y dimension - installed	**2.875 in**	Second y dimension - installed	**140.925 in**
Installed center of gravity - x	**267.036 in**	Installed center of gravity - y	**63.022 in**

90-162 Ton Packaged Industrial Rooftop

Job Information

Siavosh Selections
Los Angeles
(E94)Siavosh Asadi

Tag	**RTU-2**	Model number	**SEHJ105**
Nominal capacity	**105 Ton air cooled**	Unit type	**DX cooling/electric heat**

Piece 1 Lifting

Piece One Type	**Complete Unit**	Piece 1 - Total weight	**20980.8 lb**
Piece 1-Lifting point loading 1	**4071.7 lb**	Piece 1-Lifting point loading 2	**3008.4 lb**
Piece 1-Lifting point loading 3	**4049.7 lb**	Piece 1-Lifting point loading 4	**3237.0 lb**
Piece 1-Lifting point loading 5	**3387.6 lb**	Piece 1-Lifting point loading 6	**3226.3 lb**
Piece 1- First x dimension - loading	**65.990 in**	Piece 1- Second x dimension - loading	**252.850 in**
Piece 1-Third x dimension - loading	**497.880 in**		
Piece 1 - COG X	**0.000 in**	Piece 1 - COG Y	**0.000 in**
Piece 3 - Lifting Point Load 3	**0.0 lb**		

Installed point loads for multiple piece units are only applicable for continuous rail support. For other installations contact your Trane representitive.

SD300 | 10.3 | 300 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

GENERAC | INDUSTRIAL POWER

Standby Power Rating
300 kW, 375 kVA, 60 Hz

Prime Power Rating*
270 kW, 338 kVA, 60 Hz

ISO 9001:2008

USA ENGINEERED & BUILT*

*Built in the USA using domestic and foreign parts

*EPA Certified Prime ratings are not available in the US or its Territories

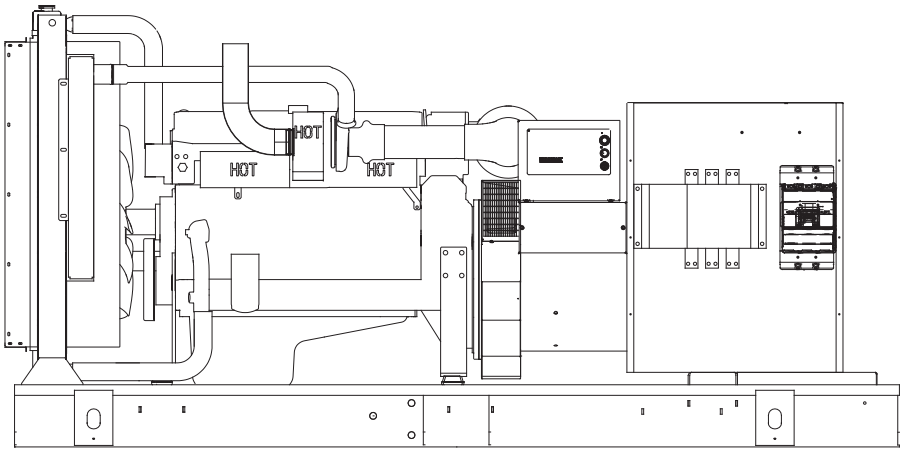


Image used for illustration purposes only

Codes and Standards

Generac products are designed to the following standards:

UL2200, UL508, UL142, UL489

NFPA 37, 70, 99, 110

NEC700, 701, 702, 708

ISO 3046, 7637, 8528, 9001

NEMA ICS10, MG1, 250, ICS6, AB1

ANSI C62.41

IBC 2009, CBC 2010, IBC 2012,
ASCE 7-05, ASCE 7-10,
ICC-ES AC-156 (2012)

Powering Ahead

For over 50 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

SD300 | 10.3L | 300 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

GENERAC | INDUSTRIAL POWER

STANDARD FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Heavy Duty Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil & Coolant
- Radiator Duct Adapter (Open Set Only)

Fuel System

- Fuel Lockoff Solenoid
- Primary Fuel Filter

Cooling System

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze
- 120 VAC Coolant Heater

Electrical System

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- GENprotect™
- 12 Leads (3-Phase, Non 600V)
- Class H Insulation Material
- Vented Rotor
- 2/3 Pitch
- Skewed Stator
- Auxiliary Voltage Regulator Power Winding
- Permanent Magnet Excitation
- Sealed Bearing
- Automated Manufacturing (Winding, Insertion, Lacing, Varnishing)
- Rotor Dynamically Spin Balanced
- Amortisseur Winding
- Full Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Only)

ENCLOSURE (if selected)

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuation Enclosures)
- Gasketed Doors
- Stamped Air-Intake Louvers
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- Rhino Coat™ - Textured Polyester Powder Coat Paint

TANKS (if selected)

- UL 142
- Double Wall
- Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested (2 psi)
- Rupture Basin Alarm
- Fuel Level
- Check Valve In Supply and Return Lines
- Rhino Coat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

CONTROL SYSTEM

Digital H Control Panel- Dual 4x20 Display

Program Functions

- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- 3 Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/Sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus® protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display

Full System Status Display

- Power Output (kW)
- Power Factor
- kW Hours, Total & Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency

Alarms and Warnings

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Overspeed
- Battery Voltage
- Alarms & Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms & Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

SD300 | 10.3 | 300 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Oil Make-Up System
- Oil Heater
- Critical Exhaust Silencer

FUEL SYSTEM

- Flexible Fuel Lines
- Primary Fuel Filter

ELECTRICAL SYSTEM

- 10A UL Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

GENERATOR SET

- GenLink® Communications Software (English Only)
- Extended Factory Testing
- IBC Seismic Certification
- 8 Position Load Center
- 2 Year Extended Warranty
- 5 Year Warranty
- 5 Year Extended Warranty
- 7 Year Extended Warranty
- 10 Year Extended Warranty

ENCLOSURE

- Standard Enclosure
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating*
- AC/DC Enclosure Lighting Kit
- 12 VDC Enclosure Light Kit
- 120 VAC Enclosure Light Kit

CONTROL SYSTEM

- NFPA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Oil Temperature Sender with Indication Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- Remote Communication - Modem
- Remote Communication - Ethernet
- 10A Run Relay
- Ground Fault Indication and Protection Functions

TANKS (SIZE ON LAST PAGE)

- Electric Fuel Level
- Mechanical Fuel Level
- 8” Fill Extension
- 13” Fill Extension
- 19” Fill Extension

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant Heater Ball Valves
- Fluid Containment Pan

CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

ALTERNATOR SYSTEM

- 3rd Breaker System

GENERATOR SET

- Special Testing

ENCLOSURE

- Motorized Dampers

TANKS

- Overfill Protection Valve
- UL2085 Tank
- ULC S-601 Tank
- Special Fuel Tanks
- Vent Extensions

RATING DEFINITIONS

Standby - Applicable for a varying emergency load for the duration of a utility power outage with no overload capability.

Prime - Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. A 10% overload capacity is available for 1 out of every 12 hours. The Prime Power option is only available on International applications. Power ratings in accordance with ISO 8528-1, Second Edition.

*Consult factory for availability

SD300 | 10.3L | 300 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	Iveco/FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emission Data Sheet
Cylinder #	6
Type	In-Line
Displacement - L (cu. in)	10.3 (628.54)
Bore - mm (in)	125 (4.92)
Stroke - mm (in)	140 (5.51)
Compression Ratio	16.5:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head	4-Valve
Piston Type	Aluminum
Crankshaft Type	Dropped Forged Steel

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	±0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow
Crankcase Capacity - L (qts)	30 (31.68)

Cooling System

Cooling System Type	Closed Recovery
Water Pump Type	Pre-Lubed, Self Sealing
Fan Type	Pusher
Fan Speed (rpm)	2250
Fan Diameter - mm (in)	762 (30.0)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (microns)	5
Fuel Inject Pump Make	Electronic
Fuel Pump Type	Engine Driven Gear
Injector Type	Common Rail
Engine Type	Direct Injection
Fuel Supply Line - mm (in.)	12.7 (0.5) NPT
Fuel Return Line - mm (in.)	12.7 (0.5) NPT

Engine Electrical System

System Voltage	24 VDC
Battery Charger Alternator	Std
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	520 mm Generac
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5%
Telephone Interference Factor (TIF)	< 50

Standard Excitation	Permanent Magnet Excitation
Bearings	Single Sealed Cartridge
Coupling	Direct, Flexible Disc
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.25%

SD300 | 10.3 | 300 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

OPERATING DATA

POWER RATINGS

	Standby		Prime	
Three-Phase 120/208 VAC @0.8pf	300 kW	Amps: 1041	270 kW	Amps: 937
Three-Phase 120/240 VAC @0.8pf	300 kW	Amps: 902	270 kW	Amps: 812
Three-Phase 277/480 VAC @0.8pf	300 kW	Amps: 451	270 kW	Amps: 406
Three-Phase 346/600 VAC @0.8pf	300 kW	Amps: 361	270 kW	Amps: 325

STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip

480 VAC							
Alternator	kW	10%	15%	20%	25%	30%	35%
Standard	350	383	575	767	958	1150	1342
Upsize 1	400	387	581	775	968	1162	1356
Upsize 2	500	457	686	914	1143	1371	1600

208/240 VAC							
Alternator	kW	10%	15%	20%	25%	30%	35%
Standard	350	280	410	535	640	770	900
Upsize 1	400	210	350	500	680	875	1100
Upsize 2	450	345	570	835	1100	1460	1710

FUEL CONSUMPTION RATES*

Fuel Pump Lift- ft (m)
3 (1)

Total Fuel Pump Flow (Combustion + Return) - gal/hr (l/hr)
31 (117)

Diesel - gal/hr (l/hr)

Percent Load	Standby	Prime
25%	7.6 (28.7)	6.9 (26.1)
50%	12.6 (47.7)	11.6 (43.9)
75%	17.4 (65.9)	15.8 (59.8)
100%	22.1 (83.7)	19.9 (75.3)

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

		Standby	Prime
Coolant Flow per Minute	gal/min (l/min)	95 (360)	95 (360)
Coolant System Capacity	gal (l)	16.6 (63)	16.6 (63)
Heat Rejection to Coolant	BTU/hr	814,783	733,673
Inlet Air	cfm (m^3/hr)	14,505 (411)	14,505 (411)
Maximum Radiator Backpressure	in H_2O	0.5	0.5

COMBUSTION AIR REQUIREMENTS

	Standby	Prime
Flow at Rated Power cfm (m^3/min)	850 (24.07)	765 (21.67)

ENGINE

		Standby	Prime
Rated Engine Speed	rpm	1800	1800
Horsepower at Rated kW**	hp	480	432
Piston Speed	ft/min	1654	1654
BMEP	psi	336	302

EXHAUST

		Standby	Prime
Exhaust Flow (Rated Output)	cfm (m^3/min)	2240 (63.4)	2016 (57.1)
Max. Backpressure (Post Silencer)	in Hg (Kpa)	1.5 (5.1)	1.5 (5.1)
Exhaust Temp (Rated Output - Post Silencer)	°F (°C)	1020 (549)	918 (492)
Exhaust Outlet Size (Open Set)	mm (in)	101.6 (4)	101.6 (4)

** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

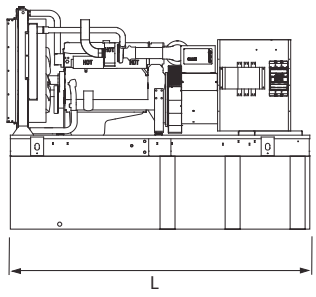
Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.
Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.

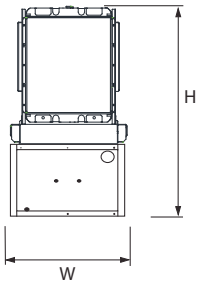
SD300 | 10.3L | 300 kW

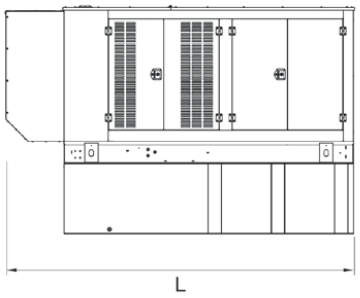
INDUSTRIAL DIESEL GENERATOR SET

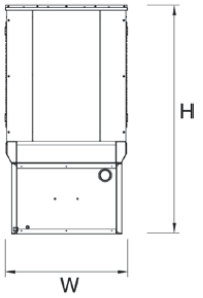
EPA Certified Stationary Emergency

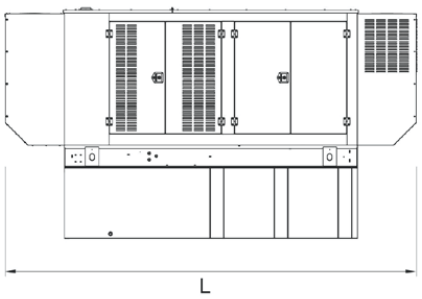
DIMENSIONS AND WEIGHTS*

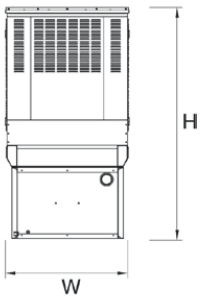


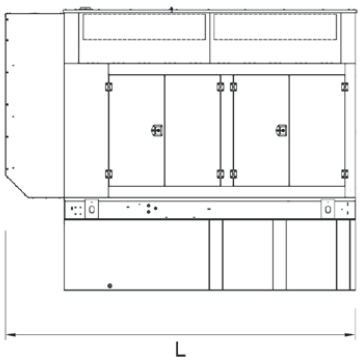


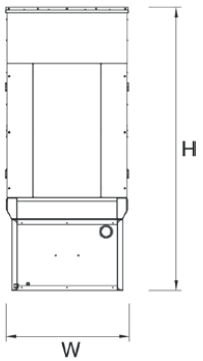












OPEN SET (Includes Exhaust Flex)

Run Time Hours	Usable Capacity Gal (L)	L x W x H in (mm)	Weight lbs (kg)
No Tank	-	136 (3454) x 58 (1473) x 68 (1727)	5816 (2638)
8	183 (693)	136 (3454) x 58 (1473) x 81 (2057)	6764 (3068)
20	438 (1659)	136 (3454) x 58 (1473) x 93 (2362)	7076 (3210)
31	693 (2624)	136 (3454) x 58 (1473) x 105 (2667)	7379 (3347)
43	946 (3518)	208 (5283) x 58 (1473) x 108 (2743)	8841 (4010)
60	1325 (5015)	278 (7061) x 58 (1473) x 108 (2743)	9856 (4471)

STANDARD ENCLOSURE

Run Time Hours	Usable Capacity Gal (L)	L x W x H in (mm)	Weight lbs (kg)	
			Steel	Aluminum
No Tank	-	175 (4445) x 58 (1473) x 78 (1981)		
8	183 (693)	175 (4445) x 58 (1473) x 91 (2311)		
20	438 (1659)	175 (4445) x 58 (1473) x 103 (2616)	1295 (588)	501 (227)
31	693 (2624)	175 (4445) x 58 (1473) x 115 (2921)		
43	946 (3518)	208 (5283) x 58 (1473) x 118 (2997)		
60	1325 (5015)	278 (7061) x 58 (1473) x 118 (2997)		

LEVEL 1 ACOUSTIC ENCLOSURE

Run Time Hours	Usable Capacity Gal (L)	L x W x H in (mm)	Weight lbs (kg)	
			Steel	Aluminum
No Tank	-	200 (5080) x 58 (1473) x 78 (1981)		
8	183 (693)	200 (5080) x 58 (1473) x 91 (2311)		
20	438 (1659)	200 (5080) x 58 (1473) x 103 (2616)	1470 (667)	935 (425)
31	693 (2624)	200 (5080) x 58 (1473) x 115 (2921)		
43	946 (3518)	234 (5944) x 58 (1473) x 118 (2997)		
60	1325 (5015)	304 (7722) x 58 (1473) x 118 (2997)		

LEVEL 2 ACOUSTIC ENCLOSURE

Run Time Hours	Usable Capacity Gal (L)	L x W x H in (mm)	Weight lbs (kg)	
			Steel	Aluminum
No Tank	-	180.6 (4588) x 57.6 (1463) x 107.2 (2724)		
8	183 (693)	180.6 (4588) x 57.6 (1463) x 120 (3048)		
20	438 (1659)	180.6 (4588) x 57.6 (1463) x 132 (3353)	2515 (1141)	1131 (514)
31	693 (2624)	180.6 (4588) x 57.6 (1463) x 144 (3658)		
43	946 (3518)	208 (5283) x 57.6 (1463) x 148(3759)		
60	1325 (5015)	278 (7061) x 57.6 (1463) x 146 (3708)		

* All measurements are approximate and for estimation purposes only.

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

Generac Power Systems, Inc. | P.O.Box 8 | Waukesha, WI 53189
P: (262) 544-4811 ©2016 Generac Power Systems, Inc. All rights reserved. All specifications are subject to change without notice.

Part No 0185620SBY
Rev. F 06/07/16

Outdoor Events Noise

Primary Criteria: Daytime = 55 dBA (7 a.m. to 10 p.m.) ; Nighttime standard not applicable.
Raised male voice at 1 m. 65 dBA at 3.28 feet
Reference: Harris, 1979

Assumptions

1. Up to 150 attendees

2. Amplified music would be limited to a reasonable level - specifically, the volume of amplified music permitted would be limited to below a level that would be readily audible at the nearest noise-sensitive receevers at 280 feet. It is conservatively assumed that this would be equivalent to 2 persons speaking with a raised voice, continually.

3.Events would not be permitted after 10 p.m. This would be codified in the CC&Rs.

Receiver Description	**Nearest source-receiver distance (feet)**											
Nearest Residential Outdoor Land Use (south of project site)	280											
STEM Center Annex	350											
Receiver Description	**Nearest source-receiver noise level (dBA L_{eq})**											
Nearest Residential Outdoor Land Use (south of project site)	52.9											
STEM Center Annex	51.0											

Receiver Description	**Total Event Noise Level (dBA L_{eq})**	**Applicable Daytime Standard[1] (55 dBA L_{eq}) Exceeded?**	**Measured Existing Ambient Noise Level (dBA L_{eq})**	**Combined Event Noise plus Existing Ambient (dBA L_{eq})**	**Resultant Increase above Existing Ambient Noise Level (dBA)**	**Significant Increase ?**
Nearest Residential Outdoor Land Use (south of project site)	52.9	**No**	65.0	65.3	0.3	**No**
STEM Center Annex	51.0	**No**	60.6	61.0	0.4	**No**

Persons	150
Music (equivalent to 2 persons with raised voice, continous)	300
Sum	450