UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: XCMROBBINS RAW DATA REPORT

Report Request ID: 1762382 Report Code: AMP350 Jul. 16, 2019

GEOGRAPHIC SELECTIONS

Tribal

Code State County Site Parameter POC City AQCR UAR CBSA CSA Region

42 119 0001 2

PROTOCOL SELECTIONS

Parameter

Classification Parameter Method Duration

ALL 089

	SELECTED OPTIONS			SORT ORDER
	Option Type	Option Value	Orde	r Column
_	RAW DATA EVENTS	INCLUDE EVENTS	1	STATE_CODE
	DAILY STATISTICS	MAXIMUM	2	COUNTY_CODE
	AGENCY ROLE	PQAO	3	SITE ID
	UNITS	STANDARD	4	_
	INCLUDE NULLS	YES	4	PARAMETER_CODE
	MERGE PDF FILES	YES	5	POC

DATE CRITERIA

Start Date End Date

2013 01 01 2017 12 31

APPLICABLE STANDARDS

Standard Description

CO 1-hour 1971

Lead 3-Month 2009

Lead 3-Month PM10 Surrogate 2009

Lead Quarterly 1978

NO2 Annual 1971

Ozone 1-hour 1979

PM10 24-hour 2006

PM25 24-hour 2012

SO2 1-hour 2010

STATE: (42) Pennsylvania

LAND USE: RESIDENTIAL

LOCATION SETTING:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

Jul. 16, 2019

CAS NUMBER: 7440-38-2 LATITUDE: 40.95517 LONGITUDE: -76.88189

ELEVATION-MSL: 150

PROBE HEIGHT: 3

(12103) Arsenic (TSP) STP SITE ID: 42-119-0001 POC: 2

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2013 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.002	.000 ND		
2								.001				
3		.001				.000 ND	.001					
4	.000 ND			.000 ND	.002							
5			.000 ND									
6											.001	.000 ND
7									.001	.000 ND		
8								.001				
9		.000 ND				.001	.001					
10	.000 ND			.001	.002							
11			.000 ND									
12											.000 ND	.000 ND
13									.000 ND	.001		
14								.000 ND				
15		.000 ND				.001	.001					
16	.000 ND			.001	.002							
17			.000 ND									
18									0.04		.000 ND	.001
19								0.00	.001	AF		
20 21		.000 ND				.000 ND	.001	.002				
22	.000 ND	.000 ND		.000 ND	.001	.000 ND	.001					
23	.000 ND		.000 ND	.000 ND	.001							
24			.000 ND								.000 ND	.000 ND
25									.001	.000 ND	.000 112	.000 115
26								.001				
27		.001				.001	.002					
28	.001			.002	.002 5							
29			.000 ND									
30											.001	.000 ND
31										AF		
NO .	_	-	-	5	5	5	5	-	-	4	-	-
NO.: MAX:	.001	.001	5 0.000	.002	.002	.001	.002	.002	.002	.001	.001	5 .001
	.0002	.001	0.000	.002	.002	.0006	.002	.0010	.002	.0003	.001	.0002
MEAN:							.0012	.0010	.0010	.0003	.0001	.0002
ANNUA:	L OBSERVATIONS	: 59	ANNUAL MEAN:	.0007	ANNUAL MAX:	.002						

STATE: (42) Pennsylvania

LAND USE: RESIDENTIAL

LOCATION SETTING:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

Jul. 16, 2019

CAS NUMBER: LATITUDE: 40.95517 LONGITUDE: -76.88189

ELEVATION-MSL: 150

7440-38-2

SITE ID: 42-119-0001 POC: 2

(12103) Arsenic (TSP) STP

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection PROBE HEIGHT: 3

DURATION: 24 HOUR 2014 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.000 ND	.002
2									.001	.001		
3								.001				
4		.001				.001	.001					
5 6	.002		000 275	AF	.000 ND							
7			.000 ND								.000 ND	.000 ND
8									.000 ND	.001	.000 ND	.000 ND
9								.002				
10		.000 ND				.001	.000 ND					
11	.001			.000 ND	.001							
12			.001									
13											.000 ND	.001
14								000	.000 ND	.001		
15 16		.000 ND				.001	.000 ND	.000 ND				
17	.001	.000 ND		.000 ND	.001	.001	.000 ND					
18	.001		.000 ND	.000 112	.001							
19											.000 ND	.000 ND
20									.000 ND	.001		
21								.001				
22		.000 ND				.001	.002					
23	.001			.000 ND	.001							
24			.000 ND								000 MD	000 310
25 26									.002	.000 ND	.000 ND	.000 ND
27								.001	.002	.000 ND		
28		AM				.001	.000 ND					
29	.001			.000 ND	.000 ND							
30			AF									
31												.000 ND
NO.:	5	4	4	4	5	5	5	5	5	5	5	6
MAX:	.002	.001	.001	0.000	.001	.001	.002	.002	.002	.001	0.000	.002
MEAN:	.0012	.0003	.0003	0.0000	.0006	.0010	.0006	.0010	.0006	.0008	0.0000	.0005
ANNUAL	OBSERVATIONS:	58	ANNUAL MEAN:	.0006	ANNUAL MAX:	.002						

STATE: (42) Pennsylvania

LAND USE: RESIDENTIAL

LOCATION SETTING:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

RAW DATA REPORT Jul. 16, 2019

> CAS NUMBER: 7440-38-2 LATITUDE: 40.95517 LONGITUDE: -76.88189

> > ELEVATION-MSL: 150

PROBE HEIGHT: 3

(12103) Arsenic (TSP) STP SITE ID: 42-119-0001 POC: 2

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

DURATION: 24 HOUR REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.001									
2											.000 ND	.000 ND
3									.001	.000 ND		
4								AF				
5	0.01	.000 ND		000 277	0.01	.000 ND	.001					
6 7	.001		.001	.000 ND	.001							
8			.001								.000 ND	.001
9									.000 ND	.001	.000 ND	.001
10								.001	.000 ND	.001		
11		.000 ND				.000 ND	.000 ND					
12	.002			.001	.000 ND							
13			.000 ND									
14											.000 ND	.001
15									.001	.000 ND		
16								.002				
17		.001				.000 ND	.000 ND					
18	.001			.000 ND	.000 ND							
19			.000 ND									
20											.000 ND	AF
21									.000 ND	.001		
22		.000 ND				.000 ND	.000 ND	.001				
23 24	.001	.000 ND		.000 ND	.002	.000 ND	.000 ND					
25	.001		.001	.000 ND	.002							
26			.001								AF	.000 ND
27									.000 ND	.000 ND		
28								.001				
29						.000 ND	.000 ND					
30	.000 ND			.001	.000 ND							
31			.000 ND									
NO.:	5	4	6	5	5	5	5	4	5	5	4	4
MAX:	.002	.001	.001	.001	.002	0.000	.001	.002	.001	.001	0.000	.001
MEAN:	.0010	.0003	.0005	.0004	.0006	0.0000	.0002	.0013	.0004	.0004	0.0000	.0005
ANNUAI	OBSERVATIONS:	57	ANNUAL MEAN	.0005	ANNUAL MAX:	.002						

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

RAW DATA REPORT Jul. 16, 2019

CAS NUMBER: 7440-38-2
LATITUDE: 40.95517

LONGITUDE:

UTM NORTHING:

PROBE HEIGHT: 3

UTM ZONE:

-76.88189

COUNTY: (119) Union STATE: (42) Pennsylvania

CITY: (00000) Not in a city AQCR: (195) CENTRAL PENNSYLVANIA

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA
SITE COMMENTS:

MONITOR COMMENTS:

WORANIED AREA (0000) NOT IN AN ORBAN AREA

OIW NORTHING:

UTM EASTING:

LOCATION SETTING: SUBURBAN

ELEVATION-MSL: 150

MONITOR COMMENTS:

POC: 2

(12103) Arsenic (TSP) STP

SITE ID: 42-119-0001

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

DURATION: 24 HOUR

DURATION: 24 HOUR

MONITOR TYPE: OTHER

REPORT FOR: 2016

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

UNITS: Micrograms/cubic meter (25 C)

O: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2											.000 ND	.000 ND
3									.000 ND	.001		
4								.000 ND				
5						.001	.001					
6	001	.000 ND	0.01	.000 ND	.000 ND							
7 8	.001		.001								.001	.000 ND
9									.001	.000 ND	.001	.000 ND
10								.001	.001	.000 ND		
11						.001	AM	.001				
12		.000 ND		.000 ND	.001							
13	.000 ND		AV									
14											.002 5	.000 ND
15									.000 ND	.000 ND		
16								.000 ND				
17						AG	.001					
18		.000 ND		AM	AF							
19	.000 ND		AF									
20											.000 ND	.001
21								.000 ND	.000 ND	.000 ND		
22 23						.001	.000 ND	.000 ND				
24		.000 ND		AM	.001	.001	.000 ND					
25	.001	.000 ND	AM	ru-i	.001							
26											.000 ND	.001
27									.000 ND	.001		
28								.001				
29						.000 ND	.001					
30				.001	.001							
31	.001		.000 ND									
NO.:	6	4	3	3	4	4	4	5	5	5	5	5
MAX:	.001	0.000	.001	.001	.001	.001	.001	.001	.001	.001	.002	.001
MEAN:	.0005	0.0000	.0003	.0003	.0008	.0008	.0008	.0004	.0002	.0004	.0006	.0004
ANNUA	L OBSERVATIONS	: 53	ANNUAL MEAN:	.0005	ANNUAL MAX:	.002						

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

Jul. 16, 2019

CAS NUMBER: 7440-38-2 LATITUDE: 40.95517

(12103) Arsenic (TSP) STP SITE ID: 42-119-0001 POC: 2

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

LONGITUDE: STATE: (42) Pennsylvania

-76.88189 UTM ZONE: UTM NORTHING:

UTM EASTING: ELEVATION-MSL: 150 PROBE HEIGHT: 3

DURATION: 24 HOUR 2017 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

MIN DETECTABLE: .000087

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND			.000 ND	.000 ND							
2			.000 ND									
3												
4												
5												
6		.001				.000 ND						
7	.000 ND			.000 ND	.000 ND							
8			.000 ND									
9												
10												
11												
12	000 177	.001		000 277	000 175	.000 ND						
13 14	.000 ND		.000 ND	.000 ND	.000 ND							
15			.000 ND									
16												
17												
18		.001				.000 ND						
19	.000 ND			.000 ND	.000 ND							
20			.000 ND									
21												
22												
23												
24		.001				.000 ND						
25	.000 ND			.000 ND	.001							
26			.000 ND									
27												
28												
29 30						.000 ND						
31	.000 ND				.000 ND	.000 ND						
NO.:	6	4	5	5	6	5	0	0	0	0	0	0
MAX:	0.000	.001	0.000	0.000	.001	0.000						
MEAN:	0.0000	.0010	0.0000	0.0000	.0002	0.0000						
	L OBSERVATIONS		ANNUAL MEAN:	.0002	ANNUAL MAX:	.001						
Note:	Qualifier co	des with regi	onal concurrence	e are shown in	upper case, and	d those withou	ıt					

Jul. 16, 2019 CAS NUMBER:

LATITUDE: 40.95517 SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -76.88189

COUNTY: (119) Union

(12105) Beryllium (TSP) STP

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR REPORT FOR:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

UNITS: Nanograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

7440-41-7

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.000 ND	.000 ND		
2								.000 ND				
3		.000 ND				.000 ND	.000 ND					
4	.000 ND			.000 ND	.000 ND							
5			.000 ND									
6											.000 ND	1.226
7									.000 ND	.000 ND		
8								.000 ND				
9		.000 ND				.000 ND	.000 ND					
10	.000 ND			.000 ND	.000 ND							
11			.000 ND									
12									000 175	000 175	.000 ND	.000 ND
13 14								.000 ND	.000 ND	.000 ND		
15		.000 ND				.000 ND	.000 ND	.000 ND				
16	.000 ND	.000 ND		.000 ND	.000 ND	.000 ND	.000 ND					
17	.000 112		.000 ND	.000 112	.000 112							
18											.000 ND	.000 ND
19									.000 ND	AF		
20								.000 ND				
21		.000 ND				.000 ND	.000 ND					
22	.000 ND			.000 ND	.000 ND							
23			.000 ND									
24											.000 ND	.000 ND
25									.000 ND	.000 ND		
26								.000 ND				
27		.000 ND				.000 ND	.000 ND					
28	.000 ND			.000 ND	.000 ND							
29			.000 ND									
30										3.0	.000 ND	.000 ND
31										AF		
NO.:	5	5	5	5	5	5	5	5	5	4	5	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.226
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.2452
ANNUA	L OBSERVATIONS	: 59	ANNUAL MEAN:	.0208	ANNUAL MAX:	1.226						

Jul. 16, 2019

LATITUDE: 40.95517 SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania LONGITUDE: -76.88189

COUNTY: (119) Union

CITY: (00000) Not in a city

(12105) Beryllium (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2014 REPORT FOR:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

UNITS: Nanograms/cubic meter (25 C)

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

7440-41-7

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.000 ND	.000 ND
2									.000 ND	.000 ND		
3								.000 ND				
4		.000 ND				.000 ND	.000 ND					
5	.000 ND			AF	.000 ND							
6			.000 ND									
7									000 177	000 277	.000 ND	.000 ND
8 9								.000 ND	.000 ND	.000 ND		
10		.000 ND				.000 ND	.000 ND	.000 MD				
11	.000 ND	.000 ND		.000 ND	.000 ND	.000 110						
12			.000 ND									
13											.000 ND	.000 ND
14									.000 ND	.000 ND		
15								.000 ND				
16		.000 ND				.000 ND	.000 ND					
17	.000 ND			.000 ND	.000 ND							
18			.000 ND									000
19									.000 ND	000 ND	.000 ND	.000 ND
20 21								.000 ND	.000 ND	.000 ND		
22		.000 ND				.000 ND	.000 ND	.000 ND				
23	.000 ND	.000 112		.000 ND	.000 ND	.000 112	.000 112					
24			.000 ND									
25											.000 ND	.000 ND
26									.000 ND	.000 ND		
27								.000 ND				
28		AM				.000 ND	.000 ND					
29	.000 ND			.000 ND	.000 ND							
30			AF									000 NT
31												.000 ND
NO.:	5	4	4	4	5	5	5	5	5	5	5	6
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUA	L OBSERVATIONS	: 58	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

Jul. 16, 2019 CAS NUMBER:

LATITUDE: 40.95517 SITE ID: 42-119-0001 POC: 2 LONGITUDE: STATE: (42) Pennsylvania -76.88189

COUNTY: (119) Union

(12105) Beryllium (TSP) STP

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

REPORT FOR:

UNITS: Nanograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

7440-41-7

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000 ND									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								AF				
5		.000 ND				.000 ND	.000 ND					
6	.000 ND			.000 ND	.000 ND							
7			.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10		000				000	000 200	.000 ND				
11 12	.000 ND	.000 ND		.000 ND	.000 ND	.000 ND	.000 ND					
13	.000 D		.000 ND	.000 ND	.000 UD							
14			.000 ND								.000 ND	.000 ND
15									.000 ND	.000 ND		
16								.000 ND				
17		.000 ND				.000 ND	.000 ND					
18	.000 ND			.000 ND	.000 ND							
19			.000 ND									
20											.000 ND	AF
21									.000 ND	.000 ND		
22								.000 ND				
2.3		.000 ND				.000 ND	.000 ND					
24	.000 ND			.000 ND	.000 ND							
25			.000 ND									000 277
26 27									000 177	.000 ND	AF	.000 ND
28								.000 ND	.000 ND	.000 ND		
28 29						.000 ND	.000 ND	.000 ND				
30	.000 ND			.000 ND	.000 ND	.000 110	.000 ND					
31	.000 112		.000 ND	.000 1.0	.000 1.0							
NO.:	5	4	6	5	5	5	5	4	5	5	4	4
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUA	L OBSERVATIONS:	57	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

RAW DATA REPORT Jul. 16, 2019

> CAS NUMBER: LATITUDE: 40.95517

> > ELEVATION-MSL: 150

PROBE HEIGHT: 3

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

7440-41-7

-76.88189

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

COUNTY: (119) Union

CITY: (00000) Not in a city

(12105) Beryllium (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2016 REPORT FOR:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

UNITS: Nanograms/cubic meter (25 C)

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								.000 ND				
5						.000 ND	.000 ND					
6		.000 ND		.000 ND	.000 ND							
7	.000 ND		.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10						000 200		.000 ND				
11 12		.000 ND		.000 ND	.000 ND	.000 ND	AM					
13	.000 ND	.000 ND	AV	.000 ND	.000 ND							
14	.000 ND		AV								.000 ND	.000 ND
15									.000 ND	.000 ND	1000 112	.000 112
16								.000 ND				
17						AG	.000 ND					
18		.000 ND		AM	AF							
19	.000 ND		AF									
20											.000 ND	.000 ND
21									.000 ND	.000 ND		
22								.000 ND				
23						.000 ND	.000 ND					
24		.000 ND		AM	.000 ND							
25	.000 ND		AM									
26											.000 ND	.000 ND
27 28								.000 ND	.000 ND	.000 ND		
28						.000 ND	.000 ND	.000 ND				
30				.000 ND	.000 ND	.000 ND	.000 ND					
31	.000 ND		.000 ND	.000 ND	.000 10							
NO.:	6	4	3	3	4	4	4	5	5	5	5	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAI	OBSERVATIONS	: 53	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

LOCATION SETTING:

RAW DATA REPORT Jul. 16, 2019

CAS NUMBER: 7440-41-7
LATITUDE: 40.95517

SITE ID: 42-119-0001 POC: 2

(12105) Beryllium (TSP) STP

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

PQAO: (0851) Pennsylvania Department Of Environmental Protection

 STATE:
 (42) Pennsylvania
 LONGITUDE:
 -76.88189

 AQCR:
 (195) CENTRAL PENNSYLVANIA
 UTM ZONE:

AQCR: (195) CENTRAL PENNSYLVANIA UTM ZONE:
URBANIZED AREA: (0000) NOT IN AN URBAN AREA UTM NORTHING:
LAND USE: RESIDENTIAL UTM EASTING:

ELEVATION-MSL: 150 PROBE HEIGHT: 3

REPORT FOR: 2017 DURATION: 24 HOUR

SUBURBAN

UNITS: Nanograms/cubic meter (25 C)

MIN DETECTABLE: .008

	MONTH												
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
1	.000 ND			.000 ND	.000 ND								
2			.000 ND										
3													
4													
5													
6		.000 ND				.000 ND							
7	.000 ND			.000 ND	.000 ND								
8			.000 ND										
9													
10 11													
12		.000 ND				.000 ND							
13	.000 ND	.000 ND		.000 ND	.000 ND	.000 ND							
14	1000 112		.000 ND	.000 112	.000 112								
15													
16													
17													
18		.000 ND				.000 ND							
19	.000 ND			.000 ND	.000 ND								
20			.000 ND										
21													
22													
23													
24		.000 ND				.000 ND							
25	.000 ND			.000 ND	.000 ND								
26 27			.000 ND										
28													
29													
30						.000 ND							
31	.000 ND				.000 ND								
NO.:	6	4	5	5	6	5	0	0	0	0	0	0	
MAX:	0.000	0.000	0.000	0.000	0.000	0.000							
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
ANNUA	L OBSERVATIONS	: 31	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000							
Note:	Oualifier cod	les with regio	nal concurrence	e are shown in	upper case, and	l those withou	t						

REPORT FOR:

STATE: (42) Pennsylvania

(195) CENTRAL PENNSYLVANIA

2013

Jul. 16, 2019

CAS NUMBER: 7440-43-9 LATITUDE: 40.95517

-76.88189

(12110) Cadmium (TSP) STP SITE ID: 42-119-0001 POC: 2

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection URBANIZED AREA: (0000) NOT IN AN URBAN AREA UTM NORTHING: LAND USE: RESIDENTIAL UTM EASTING: LOCATION SETTING: SUBURBAN ELEVATION-MSL: 150

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (25 C)

LONGITUDE:

PROBE HEIGHT: 3

UTM ZONE:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.000 ND	.000		
2								.000 ND				
3		.000 ND				.000 ND	.000 ND					
4	.000 ND			.000 ND	.000 ND							
5			.000 ND									
6											.000	.000 ND
7									.000 ND	.000 ND		
8								.000 ND				
9		.000 ND				.000	.000 ND					
10	.000 ND			.000 ND	.000							
11			.000 ND									
12 13									.000 ND	.000 ND	.000 ND	.000
14								.000 ND	.000 ND	.000 ND		
15		.000 ND				.000 ND	.000 ND	.000 ND				
16	.000 ND	.000 ND		.000	.000	.000 ND	.000 ND					
17	.000 112		.000 ND	.000	.000							
18											.000 ND	.000
19									.000 ND	AF		
20								.000 ND				
21		.000 ND				.000 ND	.000 ND					
22	.000			.000 ND	.000 ND							
23			.000 ND									
24											.000 ND	.000
25									.000 ND	.000 ND		
26								.000 ND				
27		.000 ND				.000 ND	.000 ND					
28	.000 ND			.000 ND	.000 ND							
29			.000 ND									
30											.000 ND	.000 ND
31										AF		
NO.:	5	5	5	5	5	5	5	5	5	4	5	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAI	OBSERVATIONS:	59	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

Jul. 16, 2019

LATITUDE: 40.95517 SITE ID: 42-119-0001 POC: 2 LONGITUDE: STATE: (42) Pennsylvania -76.88189

COUNTY: (119) Union

(12110) Cadmium (TSP) STP

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

DURATION: 24 HOUR 2014 REPORT FOR:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

MIN DETECTABLE:

CAS NUMBER:

UTM ZONE:

UNITS: Micrograms/cubic meter (25 C)

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

7440-43-9

MONTH JANUARY .000 ND	FEBRUARY	MARCH	APRIL	MAY							
	FEBRUARY	MARCH	APRIL	MAV							
.000 ND				PIPLI	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
.000 ND										.000 ND	.000
.000 ND								.000 ND	.000		
.000 ND							.000 ND				
.000 ND	.000 ND				.000 ND	.000 ND					
			AF	.000 ND							
		.000 ND									
										.000 ND	.000 ND
							000	.000 ND	.000 ND		
	000				000		.UUU ND				
000 MD	.UUU ND		000 M	000 MD	.UUU ND	.UUU ND					
.000 ND		000	.000 ND	.000 ND							
		.000								. 000 nm	.000 ND
								.000 ND	.000 ND	110	.ccc ND
							.000 ND				
	.000				.000 ND	.000 ND					
.000			.000 ND	.000 ND							
		.000 ND									
										.000 ND	.000 ND
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							.000 ND				
	.000 ND				.000 ND	.000 ND					
.000 ND			.000 ND	.000							
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					222	000	.000 ND				
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.UUU UUU.		7.0	.UUU ND	.טטט וו							
		Ar									.000 ND
5	4	4	4	5	5	5	5	5	5	5	6
											0.000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
L OBSERVATIONS	: 58	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						
L	.000 ND .000 ND 5 0.000	.000 ND .000 ND .000 ND .000 ND .000 ND .000 ND .0000 ND	.000 ND .000 .000 .000 ND .000 ND .000 ND .000 ND .000 ND AM .000 ND AF .000 ND .000 0.000 0.0000 0.0000	.000 ND .000 .000 .000 .000 ND	.000 ND .000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000	.000 ND .000 .000 .000 .000 ND	.000 ND .000 N	.000 ND .000 .000 .000 ND .000	1000 ND 1000 N	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	000 NO

STATE: (42) Pennsylvania

(195) CENTRAL PENNSYLVANIA

AIR QUALITY SYSTEM RAW DATA REPORT

Jul. 16, 2019

CAS NUMBER: 7440-43-9 LATITUDE: 40.95517 LONGITUDE:

-76.88189

SITE ID: 42-119-0001 POC: 2

(12110) Cadmium (TSP) STP

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection URBANIZED AREA: (0000) NOT IN AN URBAN AREA UTM NORTHING: LAND USE: RESIDENTIAL UTM EASTING: LOCATION SETTING: SUBURBAN ELEVATION-MSL: 150

DURATION: 24 HOUR 2015 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

PROBE HEIGHT: 3

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								AF				
5		.000 ND				.000 ND	.000 ND					
6	.002 5			.000 ND	.000 ND							
7			.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10		000 277				000 277	000 277	.000 ND				
11 12	.000	.000 ND		.000 ND	000 MD	.000 ND	.000 ND					
13	.000		.000 ND	.000 ND	.000 ND							
14			.000 ND								.000 ND	.000 ND
15									.000 ND	.000 ND	.000 ND	.000 ND
16								.000				
17		.000 ND				.000 ND	.000 ND					
18	.000 ND			.000 ND	.000 ND							
19			.000 ND									
20											.000 ND	AF
21									.000 ND	.000 ND		
22								.000 ND				
23		.000 ND				.000 ND	.000 ND					
24	.000 ND			.000 ND	.000 ND							
25			.000 ND									
26											AF	.000 ND
27									.000 ND	.000 ND		
28 29						.000 ND	.000 ND	.000 ND				
30	.000 ND			.000 ND	.000 ND	.000 ND	.000 ND					
31	.000 ND		.000 ND	.000 ND	.000 ND							
NO.:	5	4	6	5	5	5	5	4	5	5	4	4
MAX:	.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAI	OBSERVATIONS:	57	ANNUAL MEAN:	0.0000	ANNUAL MAX:	.002						

RAW DATA REPORT Jul. 16, 2019

> LATITUDE: 40.95517 LONGITUDE: -76.88189

7440-43-9

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

COUNTY: (119) Union

CITY: (00000) Not in a city

(12110) Cadmium (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection

LOCATION SETTING: SUBURBAN ELEVATION-MSL: 150 PROBE HEIGHT: 3

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

LAND USE: RESIDENTIAL

DURATION: 24 HOUR 2016 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								.000 ND				
5						.000 ND	.000 ND					
6	000	.000 ND	000 277	.000 ND	.000 ND							
7 8	.000		.000 ND								.000 ND	.000 ND
9									.000 ND	.000 ND	.000 ND	.000 ND
10								.000 ND	.000 ND	.000 ND		
11						.000	AM	.000 ND				
12		.000 ND		.000 ND	.000 ND							
13	.000		AV									
14											.000 ND	.000 ND
15									.000 ND	.000 ND		
16								.000 ND				
17						AG	.000 ND					
18		.000 ND		AM	AF							
19	.000 ND		AF									
20											.000 ND	.000
21									.000 ND	.000 ND		
22								.000 ND				
23						.000 ND	.000 ND					
24	000 200	.000 ND	234	AM	.000 ND							
25 26	.000 ND		AM								.000 ND	.000 ND
26									.000 ND	.000 ND	.000 ND	.טעט טעט
28								.000 ND	.000 ND	.000 ND		
29						.000 ND	.000 ND	110				
30				.000 ND	.000 ND	· · · · · · · · ·						
31	.000 ND		.000 ND									
NO.:	6	4	3	3	4	4	4	5	5	5	5	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.000	0.0000	0.0000	0.0000	0.0000	0.000	0.000	0.0000	0.0000	0.0000
							0.0000	0.0000	3.0000	3.0000	3.0000	
ANNUA	L OBSERVATIONS	53	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

STATE: (42) Pennsylvania

LAND USE: RESIDENTIAL

LOCATION SETTING:

REPORT FOR:

AQCR: (195) CENTRAL PENNSYLVANIA

2017

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

RAW DATA REPORT Jul. 16, 2019

> CAS NUMBER: 7440-43-9 LATITUDE: 40.95517 LONGITUDE: -76.88189

ELEVATION-MSL: 150

PROBE HEIGHT: 3

SITE ID: 42-119-0001 POC: 2

(12110) Cadmium (TSP) STP

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE: .00002

	MONTH												
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
1	.000 ND			.000 ND	.000 ND								
2			.000 ND										
3													
4													
5													
6		.000				.000 ND							
7	.000 ND			.000 ND	.000 ND								
8			.000 ND										
9													
10													
11													
12		.001				.000 ND							
13	.000 ND			.000 ND	.000 ND								
14 15			.002 5										
16													
17													
18		.000 ND				.000 ND							
19	.000 ND			.000 ND	.000 ND								
20			.000 ND										
21													
22													
23													
24		.000 ND				.000 ND							
25	.000 ND			.000 ND	.000 ND								
26			.001										
27													
28													
29													
30	000 277				000 277	.000 ND							
31	.000 ND				.000 ND								
NO.:	6	4	5	5	6	5	0	0	0	0	0	0	
MAX:	0.000	.001	.002	0.000	0.000	0.000							
MEAN:	0.0000	.0003	.0006	0.0000	0.0000	0.0000							
ANNUA	L OBSERVATIONS	: 31	ANNUAL MEAN:	.0001	ANNUAL MAX:	.002							
Note:	Oualifier cod	des with regio	nal concurrence	are shown in	upper case, and	l those withou	.t						

STATE: (42) Pennsylvania

(195) CENTRAL PENNSYLVANIA

RAW DATA REPORT Jul. 16, 2019

CAS NUMBER: 7440-47-3
LATITUDE: 40.95517
LONGITUDE: -76.88189

SITE ID: 42-119-0001 POC: 2

(12112) Chromium (TSP) STP

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER PQAO: (0851) Pennsylvania Department Of Environmental Protection

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

LAND USE: RESIDENTIAL

LOCATION SETTING: SUBURBAN

ELEVATION-MSL: 150

SETTING: SUBURBAN ELEVATION-MSL: 150
PROBE HEIGHT: 3

REPORT FOR: 2013 DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.000 ND	.000 ND		
2								.000 ND				
3		.000 ND				.000 ND	.000 ND					
4	.000 ND			.000 ND	.000 ND							
5			.000 ND									
6											.000 ND	.000 ND
7									.000 ND	.000 ND		
8								.000 ND				
9		.000 ND				.000 ND	.000 ND					
10	.000 ND			.000 ND	.000 ND							
11			.000 ND									
12											.000 ND	.000 ND
13								000 177	.000 ND	.000 ND		
14 15		.000 ND				.000 ND	.000 ND	.000 ND				
16	.000 ND	.000 ND		.000 ND	.000 ND	.000 ND	.000 ND					
17	.000 ND		.000 ND	.000 ND	.000 ND							
18			.000 ND								.000 ND	.000 ND
19									.000 ND	AF	.000 112	.000 112
20								.000 ND				
21		.000 ND				.000 ND	.000 ND					
22	.000 ND			.000 ND	.000 ND							
23			.000 ND									
24											.000 ND	.000 ND
25									.000 ND	.000 ND		
26								.000 ND				
27		.000 ND				.000 ND	.000 ND					
28	.000 ND			.000 ND	.000 ND							
29			.000 ND									
30											.000 ND	.000 ND
31										AF		
NO.:	5	5	5	5	5	5	5	5	5	4	5	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAI	OBSERVATIONS:	59	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

STATE:

(42) Pennsylvania

LAND USE: RESIDENTIAL

LOCATION SETTING:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

Jul. 16, 2019

CAS NUMBER: 7440-47-3 LATITUDE: 40.95517

-76.88189

150

LONGITUDE:

UTM ZONE:

DURATION: 24 HOUR

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL:

PROBE HEIGHT:

SITE ID: 42-119-0001 POC: 2

(12112) Chromium (TSP) STP

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection

2014 MONITOR TYPE: OTHER REPORT FOR:

UNITS: Micrograms/cubic meter (25 C) MIN DETECTABLE:

MONTH Day JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER .000 ND .000 ND 2 .000 ND .000 ND 3 .000 ND 4 .000 ND .000 ND .000 ND 5 .005 .000 ND AF .000 ND 7 .000 ND .000 ND 8 .000 ND .000 ND 9 .000 ND 10 .000 ND .000 ND .000 ND 11 .000 ND .000 ND .000 ND 12 .000 ND .000 ND 13 .000 ND 14 .000 ND .000 ND 15 .000 ND .000 ND .000 ND .000 ND 16 .000 ND 17 .000 ND .000 ND 18 .000 ND 19 .000 ND .000 ND 20 .000 ND .000 ND 21 .000 ND 22 .000 ND .000 ND .000 ND 23 .000 ND .000 ND .000 ND 24 .000 ND 25 .000 ND .000 ND .000 ND .000 ND 26 27 .000 ND 28 .000 ND .000 ND AM 29 .000 ND .000 ND .000 ND 30 AF 31 .000 ND 5 5 NO.: 4 5 5 5 6 .005 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 MAX: .0010 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 MEAN: ANNUAL OBSERVATIONS: 58 ANNUAL MEAN: .0001 ANNUAL MAX:

STATE: (42) Pennsylvania

LAND USE: RESIDENTIAL

LOCATION SETTING:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

AIR QUALITY SYSTEM RAW DATA REPORT

Jul. 16, 2019

LATITUDE: 40.95517 LONGITUDE:

ELEVATION-MSL: 150

7440-47-3

-76.88189

CAS NUMBER:

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SITE ID: 42-119-0001 POC: 2

(12112) Chromium (TSP) STP

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection PROBE HEIGHT: 3

DURATION: 24 HOUR 2015 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000 ND									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								AF				
5		.000 ND				.000 ND	.000 ND					
6	.000 ND			.000 ND	.000 ND							
7			.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10								.000 ND				
11		.000 ND				.000 ND	.000 ND					
12	.000 ND			.000 ND	.000 ND							
13			.000 ND									
14											.000 ND	.000 ND
15								000 177	.000 ND	.000 ND		
16 17		.000 ND				.000 ND	.000 ND	.000 ND				
18	.000 ND	.000 ND		.000 ND	.000 ND	.000 ND	.000 ND					
19	.000 ND		.000 ND	.000 ND	.000 ND							
20			.000 112								.000 ND	AF
21									.000 ND	.000 ND		
22								.000 ND				
23		.000 ND				.000 ND	.000 ND					
24	.000 ND			.000 ND	.000 ND							
25			.000 ND									
26											AF	.000 ND
27									.000 ND	.000 ND		
28								.000 ND				
29						.000 ND	.000 ND					
30	.000 ND			.000 ND	.000 ND							
31			.000 ND									
NO.:	5	4	6	5	5	5	5	4	5	5	4	4
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAI	OBSERVATIONS:	57	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

LOCATION SETTING:

SUBURBAN

RAW DATA REPORT Jul. 16, 2019

CAS NUMBER: 7440-47-3

LATITUDE: 40.95517

LONGITUDE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

UTM ZONE:

-76.88189

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

COUNTY: (119) Union (127) Felling Value
CITY: (00000) Not in a city (195) CENTRAL PENNSYLVANIA

CITY: (UUUUU) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

LAND USE: RESIDENTIAL

SITE ADDRESS: Dana Engineering Bidg. Bucknell University, Lewisburg, PA
SITE COMMENTS:
MONITOR COMMENTS:

(12112) Chromium (TSP) STP

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER REPORT FOR: 2016

DURATION: 24 HOUR

MONITOR TYPE: OTHER

REPORT FOR: 2016

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

UNITS: Micrograms/cubic meter (25 C)

O: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								.000 ND				
5						.000 ND	.000 ND					
6 7	000 177	.000 ND	000 275	.000 ND	.000 ND							
8	.000 ND		.000 ND								.000 ND	.000 ND
9									.000 ND	.000 ND	.000 ND	.000 ND
10								.000 ND	.000 ND	.000 ND		
11						.000 ND	AM					
12		.000 ND		.000 ND	.000 ND							
13	.000 ND		AV									
14											.000 ND	.000 ND
15									.000 ND	.000 ND		
16								.000 ND				
17						AG	.000 ND					
18		.000 ND		MA	AF							
19	.000 ND		AF									
20									000 MD	000 MD	.000 ND	.000 ND
21 22								.000 ND	.000 ND	.000 ND		
23						.000 ND	.000 ND	.000 ND				
24		.000 ND		AM	.000 ND	.000 ND	.300 ND					
25	.000 ND		AM									
26											.000 ND	.000 ND
27									.000 ND	.000 ND		
28								.000 ND				
29						.000 ND	.000 ND					
30				.000 ND	.000 ND							
31	.000 ND		.000 ND									
NO.:	6	4	3	3	4	4	4	5	5	5	5	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUA	L OBSERVATIONS	: 53	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						
		33	PIEPIN .	0.0000								

STATE: (42) Pennsylvania

AQCR: (195) CENTRAL PENNSYLVANIA

RAW DATA REPORT Jul. 16, 2019

CAS NUMBER: 7440-47-3

LATITUDE: 40.95517

LONGITUDE: -76.88189

SITE ID: 42-119-0001 POC: 2

(12112) Chromium (TSP) STP

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER PQAO: (0851) Pennsylvania Department Of Environmental Protection

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

LAND USE: RESIDENTIAL

LOCATION SETTING: SUBURBAN

ELEVATION-MSL: 150

ON SETTING: SUBURBAN ELEVATION-MSL: 15
PROBE HEIGHT: 3

REPORT FOR: 2017 DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

MIN DETECTABLE: .000522

	MONTH												
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
1	.000 ND			.000 ND	.025								
2			.000 ND										
3													
4													
5													
6		.000 ND				.026							
7	.000 ND			.000 ND	.026								
8			.000 ND										
9													
10													
11		000 177				005							
12 13	.000 ND	.000 ND		.000 ND	.026	.025							
14	.000 ND		.000 ND	.000 ND	.020								
15			.000 142										
16													
17													
18		.000 ND				.026							
19	.000 ND			.000 ND	.021 5								
20			.000 ND										
21													
22													
23													
24		.000 ND				.026							
25	.000 ND			.027	.023								
26			.000 ND										
27													
28 29													
30						.029 5							
31	.000 ND				.024	.025 5							
NO.:	6	4	5	5	6	5	0	0	0	0	0	0	
MAX:	0.000	0.000	0.000	.027	.026	.029	3	,	-	,	Ü	-	
MEAN:	0.0000	0.0000	0.0000	.0054	.0242	.0264							
	L OBSERVATIONS		ANNUAL MEAN:		ANNUAL MAX:	.029							
Note:	Oualifier cod	des with regio	nal concurrenc	e are shown in	upper case, and	l those withou	t						

STATE: (42) Pennsylvania

LAND USE: RESIDENTIAL

LOCATION SETTING:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

Jul. 16, 2019

CAS NUMBER: 7439-92-1 LATITUDE: 40.95517 LONGITUDE: -76.88189

ELEVATION-MSL: 150

SITE ID: 42-119-0001 POC: 2

COUNTY: (119) Union

CITY: (00000) Not in a city

(12128) Lead (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection PROBE HEIGHT: 3

DURATION: 24 HOUR 2013 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.0106	.0000 ND		
2								.0069				
3		.0000 ND				.0000 ND	.0000 ND					
4	.0000 ND			.0000 ND	.0083							
5			.0000 ND									
6											.0000 ND	.0000 ND
7									.0000 ND	.0000 ND		
8								.0000 ND				
9		.0000 ND				.0059	.0000 ND					
10	.0000 ND			.0000 ND	.0000 ND							
11			.0000 ND									
12											.0000 ND	.0000 ND
13								.0000 ND	.0000 ND	.0000 ND		
14 15		.0000 ND				.0063	.0000 ND	.0000 MD				
16	.0000 ND	.0000 ND		.0000 ND	.0051	.0003	.0000 ND					
17	.0000 ND		.0000 ND	.0000 142	.0031							
18			.0000 112								.0000 ND	.0000 ND
19									.0000 ND	AF		
20								.0299 5				
21		.0000 ND				.0000 ND	.0000 ND					
22	.0000 ND			.0000 ND	.0000 ND							
23			.0000 ND									
24											.0000 ND	.0000 ND
25									.0000 ND	.0000 ND		
26								.0000 ND				
27		.0000 ND				.0000 ND	.0000 ND					
28	.0073			.0104	.0064							
29			.0000 ND								0060	0000 177
30 31										AF	.0060	.0000 ND
31										AF		
NO.:	5	5	5	5	5	5	5	5	5	4	5	5
MAX:	.0073	0.0000	0.0000	.0104	.0083	.0063	0.0000	.0299	.0106	0.0000	.0060	0.0000
MEAN:	.00146	0.00000	0.00000	.00208	.00396	.00244	0.00000	.00736	.00212	0.00000	.00120	0.00000
ANNUAL	OBSERVATIONS	59	ANNUAL MEAN:	.00175	ANNUAL MAX:	.0299						

Jul. 16, 2019

CAS NUMBER: 7439-92-1 LATITUDE: 40.95517 LONGITUDE: -76.88189

ELEVATION-MSL: 150

PROBE HEIGHT: 3

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

COUNTY: (119) Union

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA SITE COMMENTS:

MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

(12128) Lead (TSP) STP

CITY: (00000) Not in a city

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2014 REPORT FOR:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

UNITS: Micrograms/cubic meter (25 C)

MIN DETECTABLE:

Note March March March April May June July August September October November December
2
.0000 ND 4 0.0000 ND 5 0.0054 AF 0.0000 ND 6 0.0050 ND 7 0.0000 ND 7 0.0000 ND 8 0.0000 ND 8 0.0000 ND 10 0.0000 ND 11 0.0000 ND 12 0.0000 ND 13 0.0000 ND 14 0.0000 ND 15 0.0000 ND 16 0.0000 ND 17 0.0000 ND 18 0.0000 ND 19 0.0000 ND 10 0.0
4
6
6
2
8
.0000 ND .00
10
11 .0000 ND
12 .0057 13 .0000 ND
13
14
.0000 ND 16 .0000 ND .0000 ND 17 .0060 .0000 ND .0000 ND 18 .0000 ND 19 .0000 ND .0000 ND .0000 ND 20 .0000 ND .0000 ND 21 .0000 ND
16 .0000 ND
17 .0060 .0000 ND .0000 ND 18 .0000 ND 19 .0000 ND .0000 ND .0000 ND .0000 ND 20 .0000 ND .0000 ND .0060 21 .0000 ND
.0000 ND
20 .0000 ND .0060 21 .0000 ND
.0000 ND
22 .0000 ND .0000 ND .0000 ND
23 .0000 ND .0000 ND .0000 ND
24 .0000 ND
.0000 ND .0000 ND
26 .0000 ND .0000 ND
27 .0000 ND 28 AM .0079 .0000 ND
29 .0000 ND .0000 ND .0000 ND
30 AF
.0000 ND
NO.: 5 4 4 4 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6
MAX: .0060 0.0000 .0057 0.0000 0.0000 .0079 0.0000 0.0000 0.0000 .0060 0.0000 .0084 MEAN: .00228 0.00000 .00143 0.00000 0.00000 .00278 0.00000 0.00000 0.00000 .00120 0.00000 .00140
ANNUAL OBSERVATIONS: 58 ANNUAL MEAN: .00078 ANNUAL MAX: .0084

Jul. 16, 2019

CAS NUMBER: 7439-92-1 LATITUDE: 40.95517 LONGITUDE: -76.88189

ELEVATION-MSL: 150

PROBE HEIGHT: 3

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

COUNTY: (119) Union

CITY: (00000) Not in a city

(12128) Lead (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

DURATION: 24 HOUR 2015 REPORT FOR:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1 2 3			.0075						.0000 ND	.0000 ND	.0000 ND	.0000 ND
4								AF				
5		.0000 ND				.0000 ND	.0000 ND					
6 7	.0000 ND		0000 MD	.0000 ND	.0000 ND							
8			.0000 ND								.0000 ND	.0059
9									.0000 ND	.0000 ND	.0000 ND	.0039
10								.0000 ND				
11		.0000 ND				.0000 ND	.0000 ND					
12	.0000 ND			.0000 ND	.0000 ND							
13			.0000 ND									
14											.0000 ND	.0085
15									.0059	.0000 ND		
16								.0000 ND				
17	0000 177	.0000 ND		0000 177	0000 170	.0000 ND	.0000 ND					
18 19	.0000 ND		.0000 ND	.0000 ND	.0000 ND							
20			.0000 ND								.0000 ND	AF
21									.0051	.0000 ND	.0000 ND	PII.
22								.0000 ND				
23		.0000 ND				.0000 ND	.0000 ND					
24	.0050			.0000 ND	.0000 ND							
25			.0058									
26											AF	.0000 ND
27									.0000 ND	.0055		
28								.0000 ND				
29 30	.0000 ND			.0000 ND	.0000 ND	.0000 ND	.0000 ND					
31	.0000 ND		.0000 ND	.0000 ND	.0000 ND							
31			.0000 ND									
NO.:	5	4	6	5	5	5	5	4	5	5	4	4
MAX:	.0050	0.0000	.0075	0.0000	0.0000	0.0000	0.0000	0.0000	.0059	.0055	0.0000	.0085
MEAN:	.00100	0.00000	.00222	0.00000	0.00000	0.00000	0.00000	0.00000	.00220	.00110	0.00000	.00360
ANNUAL	OBSERVATIONS	57	ANNUAL MEAN:	.00086	ANNUAL MAX:	.0085						

RAW DATA REPORT Jul. 16, 2019

> CAS NUMBER: 7439-92-1 LATITUDE: 40.95517 LONGITUDE: -76.88189

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

COUNTY: (119) Union

CITY: (00000) Not in a city

(12128) Lead (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

LOCATION SETTING: SUBURBAN ELEVATION-MSL: 150 PROBE HEIGHT: 3

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

LAND USE: RESIDENTIAL

DURATION: 24 HOUR 2016 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.0000 ND		.0000 ND									
2											.0000 ND	.0000 ND
3									.0000 ND	.0000 ND		
4								.0000 ND				
5						.0000 ND	.0000 ND					
6		.0000 ND		.0000 ND	.0000 ND							
7	.0096		.0000 ND									
8											.0076	.0000 ND
9									.0000 ND	.0000 ND		
10								.0000 ND				
11						.0000 ND	AM					
12		.0000 ND		.0000 ND	.0000 ND							
13 14	.0000 ND		AV								.0000 ND	0000 MD
15									.0000 ND	.0000 ND	.0000 ND	.0000 ND
16								.0000 ND	.0000 ND	.0000 ND		
17						AG	.0000 ND	.0000 ND				
18		.0000 ND		AM	AF	AG	.0000 ND					
19	.0000 ND	.0000 112	AF									
20											.0000 ND	.0056
21									.0000 ND	.0000 ND		
22								.0000 ND				
23						.0000 ND	.0000 ND					
24		.0000 ND		AM	.0000 ND							
25	.0000 ND		AM									
26											.0000 ND	.0000 ND
27									.0000 ND	.0000 ND		
28								.0000 ND				
29						.0000 ND	.0000 ND					
30				.0000 ND	.0000 ND							
31	.0000 ND		.0000 ND									
NO.:	6	4	3	3	4	4	4	5	5	5	5	5
MAX:	.0096	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0076	.0056
MEAN:	.00160	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	.00152	.00112
ANNUAL	OBSERVATIONS	5: 53	ANNUAL MEAN:	.00043	ANNUAL MAX:	.0096						

LAND USE: RESIDENTIAL

LOCATION SETTING:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

RAW DATA REPORT Jul. 16, 2019

> CAS NUMBER: 7439-92-1 LATITUDE: 40.95517

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania COUNTY: (119) Union

CITY: (00000) Not in a city

(12128) Lead (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2017 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

LONGITUDE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

UTM ZONE:

-76.88189

MIN DETECTABLE: .001119

	MONTH												
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
1	.0000 ND			.0000 ND	.0000 ND								
2			.0000 ND										
3													
4													
5													
6		.0000 ND				.0000 ND							
7	.0000 ND			.0000 ND	.0000 ND								
8			.0000 ND										
9													
10													
11													
12		.0000 ND				.0017							
13	.0000 ND			.0000 ND	.0000 ND								
14			.0060										
15													
16													
17													
18		.0000 ND				.0009							
19	.0000 ND			.0000 ND	.0000 ND								
20			.0000 ND										
21													
22													
23													
24	0000 170	.0000 ND		0000 277	0000 277	.0008							
25	.0000 ND		.0000 ND	.0000 ND	.0000 ND								
26 27			.0000 ND										
28													
29													
30						.0030							
31	.0000 ND				.0000 ND	.0030							
NO.:	6	4	5	5	6	5	0	0	0	0	0	0	
MAX:	0.0000	0.0000	.0060	0.0000	0.0000	.0030	3	J	U	0	J	U	
MEAN:		0.0000	.00120	0.0000	0.00000	.00128							
ANNUA	L OBSERVATIONS	31	ANNUAL MEAN:	.00040	ANNUAL MAX:	.0060							
Note:	Qualifier co	des with regio	nal concurrence	e are shown in	upper case, and	l those withou	t						

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

REPORT FOR:

Jul. 16, 2019

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

COUNTY: (119) Union

CITY: (00000) Not in a city

(12132) Manganese (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2013

UNITS: Micrograms/cubic meter (25 C)

CAS NUMBER:

LATITUDE:

LONGITUDE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

UTM ZONE:

7439-96-5

40.95517

-76.88189

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.005	.008		
2								.008				
3		.004				.008	.011					
4	.003			.019 5	.018 5							
5			.006									
6											.006	.003
7									.007	.004		
8		000				004	000	.007				
9 10	.007	.002		.015	.009	.004	.008					
11	.007		.012	.015	.009							
12			.012								.009	.005
13									.004	.006	.003	.003
14								.004				
15		.007				.005	.010					
16	.004			.013	.024 5							
17			.003									
18											.003	.007
19									.007	AF		
20								.023 5				
21		.004				.020 5	.005					
22	.008			.013	.026 5							
23			.003									
24											.003	.004
25								0.07	.010	.005		
26 27		.003				.011	006	.007				
28	.005	.003		.012	.006	.011	.006					
29	.005		.004	.012	.000							
30			.001								.004	.002
31										AF		
	-	-	_	_	_	-	_	_	-		_	-
NO.:	5	.007	5	.019	.026	5	5	5	5	4	.009	.007
MAX:	.008	.007	.012	.019	.026	.020 .0096	.011	.023	.010 .0066	.008	.0050	.007
MEAN:			.0050	.0111			.0000	.0090	.0000	.0050	.0050	.0012
ANNUAL	OBSERVATIONS:	59	ANNUAL MEAN:	.0079	ANNUAL MAX:	.026						

Jul. 16, 2019

CAS NUMBER: 7439-96-5 LATITUDE: 40.95517 LONGITUDE:

-76.88189

UTM ZONE:

UTM NORTHING:

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

(12132) Manganese (TSP) STP

CITY: (00000) Not in a city

COUNTY: (119) Union (195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

LAND USE: RESIDENTIAL UTM EASTING: SITE COMMENTS: LOCATION SETTING: SUBURBAN ELEVATION-MSL: 150 MONITOR COMMENTS: PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection DURATION: 24 HOUR MONITOR TYPE: OTHER 2014 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C) COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.004	.009
2									.011	.005		
3								.002				
4		.010				.025 5	.005					
5	.005		0.05	AF	.007							
6 7			.007								.003	.003
8									.007	.008	.003	.003
9								.008	.007	.000		
10		.012				.033 5	.007					
11	.002			.007	.020 5							
12			.018 5									
13											.005	.003
14									.002	.008		
15								.003				
16	0.1.0	.003			225	.028 5	.005					
17 18	.010		007	.009	.006							
18			.007								.006	.003
20									.010	.008	.000	.005
21								.005				
22		.009				.005	.013					
23	.005			.005	.009							
24			.004									
25											.006	.001
26									.008	.008		
27		736				005	002	.010				
28 29	.009	AM		.007	.010	.005	.003					
30	.005		AF	.007	.010							
31			ni.									.011
	_											
NO.:	5	4	4	4	5	5	5	5	5	5	5	6
MAX:	.010 .0062	.012	.018 .0090	.009 .0070	.020 .0104	.033 .0192	.013 .0066	.010 .0056	.011 .0076	.008	.006 .0048	.011 .0050
MEAN:			.0090				.0000	.0050	.0076	.00/4	.0040	.0050
ANNUA	L OBSERVATION	IS: 58	ANNUAL MEAN:	.0081	ANNUAL MAX:	.033						

STATE: (42) Pennsylvania

LAND USE: RESIDENTIAL

LOCATION SETTING:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

RAW DATA REPORT

Jul. 16, 2019

CAS NUMBER: 7439-96-5 LATITUDE: 40.95517 -76.88189 LONGITUDE:

UTM ZONE:

UNITS: Micrograms/cubic meter (25 C)

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

SITE ID: 42-119-0001 POC: 2

(12132) Manganese (TSP) STP

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER POAO: (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR REPORT FOR: 2015

MIN DETECTABLE:

PQAO:	(0851) Penns	ylvania Depa	artment Of Enviro	onmental Prot	tection						MIN DET	ECTABLE:
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.004									
2											.011	.002
3									.017	.002		
4								AF				
5		.003				.005	.003					
6	.005			.009	.010							
7			.007									
8											.003	.006
9								.006	.009	.008		
10 11		.005				.011	.006	.006				
12	.010	.005		.005	.019 5	.011	.006					
13	.010		.011	.005	.019 3							
14			.011								.002	.004
15									.007	.004		
16								.006				
17		.005				.010	.013					
18	.003			.008	.005							
19			.006									
20											.006	AF
21									.008	.012		
22								.005				
23		.005				.005	.013					
24	.003			.005	.006							
25			.010									
26									0.05	0.4.0	AF	.003
27 28								.010	.006	.013		
28						.005	.005	.010				
30	.003			.014	.015	.005	.005					
31	.003		.008	.014	.015							
31												
NO.:	5	4	6	5	5	5	5	4	5	5	4	4
MAX:	.010	.005	.011	.014	.019	.011	.013	.010	.017	.013	.011	.006
MEAN:	.0048	.0045	.0077	.0082	.0110	.0072	.0080	.0068	.0094	.0078	.0055	.0038
ANNUA:	L OBSERVATIONS:	57	ANNUAL MEAN:	.0072	ANNUAL MAX:	.019						

LOCATION SETTING:

Jul. 16, 2019

CAS NUMBER: 7439-96-5 LATITUDE: 40.95517 LONGITUDE: -76.88189

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania COUNTY: (119) Union

(195) CENTRAL PENNSYLVANIA CITY: (00000) Not in a city

URBANIZED AREA: (0000) NOT IN AN URBAN AREA SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA LAND USE: RESIDENTIAL

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(12132) Manganese (TSP) STP

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2016 REPORT FOR:

SUBURBAN

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.001		.004									
2											.005	.003
3									.004	.003		
4								.006				
5						.005	.004					
6		.004		.008	.003							
7	.015		.006								0.1.4	
8 9									003	003	.014	.004
10								.005	.003	.003		
11						.014	AM	.005				
12		.003		.004	.007		****					
13	.004		AV									
14											.010	.005
15									.005	.007		
16								.003				
17						AG	.004					
18		.004		AM	AF							
19	.004		AF									
20											.002	.009
21									.009	.003		
22						24.2		.003				
23		0.05			010 5	.012	.008					
24	003	.005	AM	AM	.018 5							
25 26	.003		AM								.002	.004
27									.004	.010	.002	.004
28								.006	.001	.010		
29						.007	.008					
30				.003	.007							
31	.005		.007									
NO.:	6	4	3	3	4	4	4	5	5	5	5	5
MAX:	.015	.005	.007	.008	.018	.014	.008	.006	.009	.010	.014	.009
MEAN:	.0053	.0040	.0057	.0050	.0088	.0095	.0060	.0046	.0050	.0052	.0066	.0050
	L OBSERVATIONS	3: 53	ANNUAL MEAN:	.0058	ANNUAL MAX:	.018						

STATE: (42) Pennsylvania

LAND USE: RESIDENTIAL

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

RAW DATA REPORT

Jul. 16, 2019

CAS NUMBER: 7439-96-5 LATITUDE: 40.95517 LONGITUDE:

-76.88189

SITE ID: 42-119-0001 POC: 2

(12132) Manganese (TSP) STP

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

LOCATION SETTING: SUBURBAN ELEVATION-MSL: 150 PROBE HEIGHT: 3

DURATION: 24 HOUR 2017 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

MIN DETECTABLE: .00076

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.004			.001	.010							
2			.003									
3												
4												
5												
6		.007				.005						
7	.004			.002	.003							
8			.005									
9 10												
11												
12		.003				.010						
13	.003			.004	.002							
14			.004									
15												
16												
17												
18		.008				.005						
19	.004			.007	.017 5							
20			.004									
21												
22 23												
23		.008				.005						
25	.003	.000		.007	.004	.003						
26	.005		.002									
27												
28												
29												
30						.010						
31	.005				.005							
NO.:	6	4	5	5	6	5	0	0	0	0	0	0
MAX:	.005	.008	.005	.007	.017	.010						
MEAN:	.0038	.0065	.0036	.0042	.0068	.0070						
ANNUA	L OBSERVATIONS	31	ANNUAL MEAN:	.0053	ANNUAL MAX:	.017						
Note:	Ouglifier god	es with resi	onal dondurrende	are chown is	n unner case and	those witho	11±					

Jul. 16, 2019

CAS NUMBER: 7440-02-0 LATITUDE: 40.95517 -76.88189

ELEVATION-MSL: 150

PROBE HEIGHT: 3

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

COUNTY: (119) Union

CITY: (00000) Not in a city

(12136) Nickel (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

MONITOR TYPE: OTHER

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

2013

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

LONGITUDE:

UTM NORTHING:

UTM EASTING:

UTM ZONE:

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									.000 ND	.000 ND		
2								.000 ND	.000 142	.000 145		
3		.000 ND				.000 ND	.000 ND	1000 112				
4	.000 ND	.000 112		.000 ND	.000 ND	1000 112	1000 112					
5	.000 112		.000 ND	.000 112	.000 112							
6			.000 112								.000 ND	.000 ND
7									.000 ND	.000 ND	.000 112	.000 112
8								.000 ND				
9		.000 ND				.000 ND	.000 ND					
10	.000 ND			.000 ND	.000 ND							
11			.000 ND									
12											.000 ND	.000 ND
13									.000 ND	.000 ND		
14								.000 ND				
15		.000 ND				.000 ND	.000 ND					
16	.000 ND			.000 ND	.000 ND							
17			.000 ND									
18											.000 ND	.000 ND
19									.000 ND	AF		
20								.000 ND				
21		.000 ND				.000 ND	.000 ND					
22	.000 ND			.000 ND	.000 ND							
23			.000 ND									
24											.000 ND	.000 ND
25									.000 ND	.000 ND		
26								.000 ND				
27		.000 ND				.000 ND	.000 ND					
28	.000 ND			.000 ND	.000 ND							
29			.000 ND									
30											.000 ND	.000 ND
31										AF		
NO.:	5	5	5	5	5	5	5	5	5	4	5	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	ODGEDUATIONG	50		0.0000	AMMITAT MAY	0.000						
AMMUAL	OBSERVATIONS:	59	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

RAW DATA REPORT Jul. 16, 2019

CAS NUMBER: 7440-02-0
LATITUDE: 40.95517
STATE: (42) Pennsylvania LONGITUDE: -76.88189

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

(12136) Nickel (TSP) STP

CITY: (00000) Not in a city

COUNTY: (119) Union AQCR: (195) CENTRAL PENNSYLVANIA

CITY: (00000) Not in a city

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

LAND USE: PRSIDENTIAL

SITE ADDRESS: Data Engineering Bidg. Buckhell University, newladdig, FA

LAND USE: RESIDENTIAL

MONITOR COMMENTS:

LOCATION SETTING: SUBURBAN

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER REPORT FOR: 2014

DURATION: 24 HOUR

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

UNITS: Micrograms/cubic meter (25 C)

O: (0851) Pennsylvania Department Of Environmental Protection MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.000 ND	.000 ND
2									.000 ND	.000 ND		
3								.000 ND				
4		.000 ND				.000 ND	.000 ND					
5	.000 ND			AF	.000 ND							
6			.000 ND									
7											.000 ND	.000 ND
8									.000 ND	.000 ND		
9								.000 ND				
10	000 ND	.000 ND		000 200	000 म	.000 ND	.000 ND					
11 12	.000 ND		.000 ND	.000 ND	.000 ND							
13			.000 ND								.000 ND	.000 ND
14									.000 ND	.000 ND	.000 ND	.000 ND
15								.000 ND				
16		.000 ND				.000 ND	.000 ND	· · · · · · · · · · · · · · · · · · ·				
17	.000 ND			.000 ND	.000 ND							
18			.000 ND									
19											.000 ND	.000 ND
20									.000 ND	.000 ND		
21								.000 ND				
22		.000 ND				.000 ND	.000 ND					
23	.000 ND			.000 ND	.000 ND							
24			.000 ND									
25									000 17-	000	.000 ND	.000 ND
26 27								.000 ND	.000 ND	.000 ND		
28		AM				.000 ND	.000 ND	.000 ND				
29	.000 ND	-u-1		.000 ND	.000 ND	.000 ND	.000 ND					
30	.000 1.0		AF	.000 110	.000 1.0							
31												.000 ND
	-				_	_	_	-	_	-	-	
NO.:	5	4	4	4	5	5	5	5 0.000	5	5	5	6
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	L OBSERVATIONS				ANNUAL MAX:	0.000						

RAW DATA REPORT Jul. 16, 2019

CAS NUMBER: 7440-02-0 LATITUDE: 40.95517

-76.88189

LONGITUDE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

UTM ZONE:

UNITS: Micrograms/cubic meter (25 C)

COUNTY: (119) Union

CITY: (00000) Not in a city

(12136) Nickel (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER PQAO: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2015 DURATION: 24 HOUR

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

MIN DETECTABLE:

PQAO:	(0851) Penns	sylvania Depa	rtment Of Envir	onmental Prote	ection						MIN DETE	CTABLE:
	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.000 ND									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								AF				
5	000 277	.000 ND		000 177	000 177	.000 ND	.000 ND					
6 7	.000 ND		.000 ND	.000 ND	.000 ND							
8			.000 ND								.000 ND	.000 ND
9									.000 ND	.000 ND	.000 142	.000 ND
10								.000 ND				
11		.000 ND				.000 ND	.000 ND					
12	.000 ND			.000 ND	.000 ND							
13			.000 ND									
14											.000 ND	.000 ND
15									.000 ND	.000 ND		
16								.000 ND				
17		.000 ND				.000 ND	.000 ND					
18	.000 ND			.000 ND	.000 ND							
19			.000 ND								000 177	
20 21									.000 ND	.000 ND	.000 ND	AF
22								.000 ND	.000 ND	.000 ND		
23		.000 ND				.000 ND	.000 ND	.000 ND				
24	.000 ND			.000 ND	.000 ND	.000 MD	.000 ND					
25			.000 ND	· · · · · · · · · · · ·	· · · · · -							
26											AF	.000 ND
27									.000 ND	.000 ND		
28								.000 ND				
29						.000 ND	.000 ND					
30	.000 ND			.000 ND	.000 ND							
31			.000 ND									
NO.:	5	4	6	5	5	5	5	4	5	5	4	4
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAI	L OBSERVATIONS:	57	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

RAW DATA REPORT Jul. 16, 2019

> CAS NUMBER: 7440-02-0 LATITUDE: 40.95517

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

COUNTY: (119) Union (195) CENTRAL PENNSYLVANIA

CITY: (00000) Not in a city

(12136) Nickel (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2016 REPORT FOR:

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

UNITS: Micrograms/cubic meter (25 C)

LONGITUDE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

UTM ZONE:

-76.88189

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								.000 ND				
5						.000 ND	.000 ND					
6		.000 ND		.000 ND	.000 ND							
7	.000 ND		.000 ND									
8 9									000 MD	000 ND	.000 ND	.000 ND
10								.000 ND	.000 ND	.000 ND		
11						.000 ND	AM	.000 ND				
12		.000 ND		.000 ND	.000 ND	.000 ND	rar-i					
13	.000 ND	.000 110	AV	.000 110	.000 1.0							
14											.000 ND	.000 ND
15									.000 ND	.000 ND		
16								.000 ND				
17						AG	.000 ND					
18		.000 ND		AM	AF							
19	.000 ND		AF									
20											.000 ND	.000 ND
21									.000 ND	.000 ND		
22								.000 ND				
23						.000 ND	.000 ND					
24		.000 ND		AM	.000 ND							
25	.000 ND		MA									
26									000		.000 ND	.000 ND
27								000	.000 ND	.000 ND		
28 29						000 MD	000 275	.000 ND				
30				.000 ND	.000 ND	.000 ND	.000 ND					
31	.000 ND		.000 ND	.000 ND	.000 IND							
31	.000											
NO.:	6	4	3	3	4	4	4	5	5	5	5	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAI	L OBSERVATIONS	53	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

STATE: (42) Pennsylvania

LAND USE: RESIDENTIAL

LOCATION SETTING:

REPORT FOR:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

2017

SUBURBAN

RAW DATA REPORT Jul. 16, 2019

> CAS NUMBER: 7440-02-0 LATITUDE: 40.95517 LONGITUDE:

-76.88189

(12136) Nickel (TSP) STP SITE ID: 42-119-0001 POC: 2

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

MONTELL

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

MIN DETECTABLE: .000299

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND			.000 ND	.000 ND							
2			.000 ND									
3												
4												
5												
6		.000 ND				.000 ND						
7	.000 ND			.000 ND	.000 ND							
8			.000 ND									
9												
10												
11												
12		.000 ND				.000 ND						
13	.000 ND			.000 ND	.000 ND							
14			.000 ND									
15												
16												
17												
18		.000 ND				.000 ND						
19	.000 ND		200 170	.000 ND	.000 ND							
20 21			.000 ND									
22												
23												
24		.000 ND				.000 ND						
25	.000 ND	.000 ND		.000 ND	.000 ND	.000 ND						
26	.000 ND		.000 ND	.000 ND	.000 ND							
27			.000 112									
28												
29												
30						.000 ND						
31	.000 ND				.000 ND							
NO.:	6	4	5	5	6	5	0	0	0	0	0	0
MAX:	0.000	0.000	0.000	0.000	0.000	0.000						
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
ANNUAI	OBSERVATIONS:	31	ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						
Note:	Ouglifier god	og with region	nal dondurrende	are chown in	upper dage and	those withou	+					

LAND USE: RESIDENTIAL

LOCATION SETTING:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

Jul. 16, 2019

40.95517

-76.88189

150

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL:

PROBE HEIGHT:

(12167) Zinc (TSP) STP CAS NUMBER: 7440-66-6

> LATITUDE: POC: 2 STATE: (42) Pennsylvania LONGITUDE:

SITE ID: 42-119-0001 COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER (0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2013 MONITOR TYPE: OTHER REPORT FOR:

UNITS: Micrograms/cubic meter (25 C) MIN DETECTABLE:

MONTH Day JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER .016 .018 2 .017 3 .020 .017 .011 4 .013 .017 .027 5 .020 6 .020 .014 7 .020 .011 8 .018 9 .015 .029 .015 10 .043 5 .036 .019 11 .020 12 .028 .035 .053 5 .025 13 14 .014 .020 .015 .016 15 .031 .024 .023 16 17 .012 18 .013 .035 19 .018 AF 20 .039 21 .085 5 .017 .013 22 .016 .022 .029 23 .013 24 .021 .020 25 .020 .056 5 26 .020 .011 27 .023 .014 28 .032 .022 .020 29 .018 .013 30 .029 31 AF 5 5 5 5 5 4 NO.: 5 5 5 .043 .085 .020 .036 .029 .029 .016 .039 .053 .056 .029 .035 MAX: .0270 .0302 .0166 .0242 .0236 .0202 .0138 .0216 .0254 .0275 .0222 .0234 MEAN: ANNUAL OBSERVATIONS: 59 ANNUAL MEAN: .0229 ANNUAL MAX:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

2014

SUBURBAN

LAND USE: RESIDENTIAL

LOCATION SETTING:

REPORT FOR:

Jul. 16, 2019

CAS NUMBER: 7440-66-6 LATITUDE: 40.95517 LONGITUDE: -76.88189

SITE ID: 42-119-0001 POC: 2 STATE: (42) Pennsylvania

COUNTY: (119) Union

CITY: (00000) Not in a city

(12167) Zinc (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (25 C)

UTM ZONE:

UTM NORTHING:

UTM EASTING:

ELEVATION-MSL: 150

PROBE HEIGHT: 3

MIN DETECTABLE:

_	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.011	.031
2									.029	.033		
3								.018				
4		.030				.016	.014					
5	.036			AF	.011							
6			.029									
7											.009	.037
8									.019	.018		
9								.032				
10		.056 5				.027	.024					
11	.022			.013	.015							
12			.025									0.4 =
13									010	021	.012	.015
14								011	.019	.021		
15 16		.021				.014	.017	.011				
17	.029	.021		.016	.015	.014	.017					
18	.029		.017	.010	.015							
19			.01/								.014	.009
20									.019	.020		.003
21								.023	.012	.020		
22		.011				.011	.024					
23	.020			.017	.016							
24			.009									
25											.011	.009
26									.022	.017		
27								.018				
28		AM				.012	.015					
29	.021			.011	.014							
30			AF									
31												.013
NO.:	5	4	4	4	5	5	5	5	5	5	5	6
MAX:	.036	.056	.029	.017	.016	.027	.024	.032	.029	.033	.014	.037
MEAN:	.0256	.0295	.0200	.0143	.0142	.0160	.0188	.0204	.0216	.0218	.0114	.0190
ANNUA	L OBSERVATION	S: 58	ANNUAL MEAN:	.0193	ANNUAL MAX:	.056						

STATE: (42) Pennsylvania

Jul. 16, 2019

CAS NUMBER: 7440-66-6 LATITUDE: 40.95517 LONGITUDE: -76.88189

(12167) Zinc (TSP) STP SITE ID: 42-119-0001 POC: 2

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

(0851) Pennsylvania Department Of Environmental Protection

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(195) CENTRAL PENNSYLVANIA UTM ZONE: URBANIZED AREA: (0000) NOT IN AN URBAN AREA UTM NORTHING: LAND USE: RESIDENTIAL UTM EASTING: ELEVATION-MSL: 150

LOCATION SETTING: SUBURBAN PROBE HEIGHT: 3

DURATION: 24 HOUR 2015 REPORT FOR:

UNITS: Micrograms/cubic meter (25 C)

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			.027									
2											.022	.010
3									.029	.009		
4								AF				
5		.016				.019	.024					
6 7	.025		017	.017	.015							
8			.017								.017	.031
9									.017	.026	.017	.031
10								.034	.017	.020		
11		.029				.021	.013					
12	.025			.011	.013							
13			.024									
14											.012	.024
15									.026	.011		
16								.026				
17		.014				.017	.031					
18	.015		012	.015	.018							
19 20			.013								.012	AF
21									.018	.022	.012	AF
22								.019	.010	.022		
23		.011				.020	.025					
24	.019			.007	.011							
25			.028									
26											AF	.032
27									.017	.023		
28								.027				
29						.009	.013					
30	.016		014	.015	.014							
31			.014									
NO.:	5	4	6	5	5	5	5	4	5	5	4	4
MAX:	.025	.029	.028	.017	.018	.021	.031	.034	.029	.026	.022	.032
MEAN:	.0200	.0175	.0205	.0130	.0142	.0172	.0212	.0265	.0214	.0182	.0158	.0243
ANNUAL	OBSERVATIONS:	57	ANNUAL MEAN:	.0190	ANNUAL MAX:	.034						

STATE: (42) Pennsylvania

LAND USE: RESIDENTIAL

LOCATION SETTING:

(195) CENTRAL PENNSYLVANIA

URBANIZED AREA: (0000) NOT IN AN URBAN AREA

SUBURBAN

Jul. 16, 2019

CAS NUMBER: 7440-66-6 LATITUDE: 40.95517 LONGITUDE: -76.88189

ELEVATION-MSL: 150

PROBE HEIGHT: 3

UTM ZONE:

UTM NORTHING:

UTM EASTING:

SITE ID: 42-119-0001 POC: 2

COUNTY: (119) Union

CITY: (00000) Not in a city

(12167) Zinc (TSP) STP

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

DURATION: 24 HOUR 2016

REPORT FOR: UNITS: Micrograms/cubic meter (25 C)

MIN DETECTABLE:

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.009		.011									
2											.015	.007
3									.007	.014		
4								.015				
5						.000 ND	.020					
6		.011		.049 5	.009							
7	.063 5		.015									
8 9									007	000	.028	.011
10								.011	.007	.009		
11						.022	AM	.011				
12		.009		.015	.017	.022	***					
13	.012		AV									
14											.024	.014
15									.008	.020		
16								.008				
17						AG	.010					
18		.011		AM	AF							
19	.010		AF									
20											.000 ND	.037
21									.012	.010		
22								.008				
23					0.0	.022	.011					
24	010	.009	234	AM	.019							
25 26	.019		AM								.007	.028
26									.009	.039 5	.007	.028
28								.012	. 309	.039 3		
29						.040 5	.014	.012				
30				.012	.010							
31	.025		.015									
		4	3	3	4	4	4	5	-	-	_	5
NO.: MAX:	.063	.011	.015	.049	.019	.040	.020	.015	.012	.039	.028	.037
MEAN:	.0230	.0100	.0137	.0253	.0138	.0210	.020	.0108	.0086	.0184	.0148	.0194
							.0130	.0100	.0000	.0101	.0110	.0194
ANNUAI	OBSERVATIONS	53	ANNUAL MEAN:	.0160	ANNUAL MAX:	.063						

LAND USE: RESIDENTIAL

LOCATION SETTING:

AIR QUALITY SYSTEM RAW DATA REPORT

Jul. 16, 2019

LATITUDE: 40.95517

7440-66-6

(12167) Zinc (TSP) STP SITE ID: 42-119-0001 POC: 2

COUNTY: (119) Union

CITY: (00000) Not in a city

SITE ADDRESS: Dana Engineering Bldg. Bucknell University, Lewisburg, PA

SITE COMMENTS: MONITOR COMMENTS:

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection

MONITOR TYPE: OTHER

COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER

(0851) Pennsylvania Department Of Environmental Protection

LONGITUDE: STATE: (42) Pennsylvania -76.88189 (195) CENTRAL PENNSYLVANIA

UTM ZONE: URBANIZED AREA: (0000) NOT IN AN URBAN AREA UTM NORTHING:

UTM EASTING: ELEVATION-MSL: 150 PROBE HEIGHT: 3

DURATION: 24 HOUR 2017 REPORT FOR:

SUBURBAN

UNITS: Micrograms/cubic meter (25 C)

CAS NUMBER:

MIN DETECTABLE: .004959

	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.011			.005	.013							
2			.006									
3												
4												
5												
6		.019				.000 ND						
7 8	.015		.007	.005	.000 ND							
9			.007									
10												
11												
12		.020				.000 ND						
13	.009			.008	.006							
14			.043 5									
15												
16												
17												
18 19	.011	.029		.014	.016	.000 ND						
20	.011		.014	.014	.010							
21			.011									
22												
23												
24		.021				.000 ND						
25	.009			.012	.006							
26			.010									
27												
28												
29 30						.000 ND						
31	.019				.000 ND	.000 ND						
NO.:	6	4	5	5	6	5	0	0	0	0	0	0
MAX:	.019	.029	.043	.014	.016	0.000						
MEAN:	.0123	.0223	.0160	.0088	.0068	0.0000						
	L OBSERVATIONS		ANNUAL MEAN:		ANNUAL MAX:	.043						

RAW DATA REPORT Jul. 16, 2019

QUALIFIER CODES:

Qualifier Code	Qualifier Description	Qualifier Type
5	Outlier.	QA
AF	Scheduled but not Collected.	NULL
AG	Sample Time out of Limits.	NULL
AM	Miscellaneous Void.	NULL
AV	Power Failure.	NULL
ND	No Value Detected, Zero Reported.	QA

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional concurrence are shown in lower case.