

User ID: XCMROBBINS

RAW DATA REPORT

Report Request ID: 1760305

Report Code: AMP350

Jul. 3, 2019

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	42	007	0007		2						

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
ALL		089	

SELECTED OPTIONS

Option Type	Option Value
RAW DATA EVENTS	INCLUDE EVENTS
DAILY STATISTICS	MAXIMUM
AGENCY ROLE	PQAO
UNITS	STANDARD
INCLUDE NULLS	YES
MERGE PDF FILES	YES

SORT ORDER

Order	Column
1	STATE_CODE
2	COUNTY_CODE
3	SITE_ID
4	PARAMETER_CODE
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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12103) Arsenic (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-38-2  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2013

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									AF	.002		
2								.002				
3		.001				.000 ND	.001					
4	.003			.001	.002							
5			AF									
6											AS	.000 ND
7									.011 5	.001		
8								.001				
9		AS				AS	.001					
10	.002			AS	.002							
11			.001									
12											.000 ND	.002
13									.000 ND	AS		
14								.001				
15		AS				AF	.002					
16	.001			.000 ND	AS							
17			.000 ND									
18											.002	AS
19									.002	.002		
20								.003				
21		.001				AS	.002					
22	AS			.000 ND	.000 ND							
23			AF									
24											.001	.000 ND
25									AS	.001		
26								.002				
27		.001				.001	.004 5					
28	AS			AS	AS							
29			.001									
30											AS	.001
31										.001		
NO.:	3	3	3	3	3	2	5	5	3	5	3	4
MAX:	.003	.001	.001	.001	.002	.001	.004	.003	.011	.002	.002	.002
MEAN:	.0020	.0010	.0007	.0003	.0013	.0005	.0020	.0018	.0043	.0014	.0010	.0008
ANNUAL OBSERVATIONS:		42		ANNUAL MEAN:	.0015	ANNUAL MAX:	.011					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12103) Arsenic (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-38-2  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2014

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.000 ND	.000 ND
2									.001	.003		
3								.001				
4		AF				AF	AS					
5	.002			AF	AF							
6			.001									
7										.001	.001	
8									.001	.002		
9								.002				
10		.001				AS	.001					
11	AS			AS	.003						.002	.001
12			.001									
13									.002	.000 ND		
14								AS				
15		AF				AS	.001					
16	.001			.001	.001							
17			.001								.001	.000 ND
18										.000 ND	.001	
19								AF				
20		.001				.003	AF					
21	.002			.000 ND	AF							
22			.000 ND								.002	.001
23									AS	AS		
24		.001				.003	.000 ND					
25								.000 ND				
26												
27		.001				.003	.000 ND					
28	.003			AF	.001							
29			.000 ND									
30												.001
31												
NO.:	4	3	5	2	3	2	3	3	4	4	5	6
MAX:	.003	.001	.001	.001	.003	.003	.001	.002	.002	.003	.002	.001
MEAN:	.0020	.0010	.0006	.0005	.0017	.0030	.0007	.0010	.0010	.0015	.0012	.0007
ANNUAL OBSERVATIONS:	44		ANNUAL MEAN:	.0012		ANNUAL MAX:	.003					

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STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-38-2  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			AF									
2											.002	.000 ND
3									.002	.000 ND		
4								.004 5				
5		.000 ND				.002	AF					
6	.001			.002 QX	.002							
7			.001								.002	.002
8											.002	.002
9									.002	.001		
10								.004 5				
11		AS				.002	.002					
12	.001			.003	.001							
13			.001								.000 ND	.002
14												
15									.002	.002		
16								.004 5				
17		AS				.001	.003					
18	.001 QX			.003	.002							
19			AF								.000 ND	.000 ND
20												
21									.001	.002		
22								.002				
23		AF				.000 ND	.002					
24	.001			.000 ND	.008 5							
25			.001									
26											.000 ND	.001
27									.002	AM		
28								.002				
29						.001	.002					
30	.000 ND			.001	.001							
31			AS									
NO.:	5	1	3	5	5	5	4	5	5	4	5	5
MAX:	.001	0.000	.001	.003	.008	.002	.003	.004	.002	.002	.002	.002
MEAN:	.0008	0.0000	.0010	.0018	.0028	.0012	.0023	.0032	.0018	.0013	.0008	.0010
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:	.0016		ANNUAL MAX:	.008					

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(12103) Arsenic (TSP) STP

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 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-38-2  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
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 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2016

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.001									
2												
3									.001	.001	.002	.000 ND
4								.000 ND				
5						AV	.001					
6		.001		AM	.000 ND							
7	.002		.000 ND									
8											.002	.000 ND
9									.000 ND	.001		
10								.001				
11						.001	.003					
12		.000 ND		.000 ND	.002							
13	.000 ND		.001								.002	.000 ND
14									.000 ND	.002		
15								.000 ND				
16						.000 ND	.001					
17												
18		.000 ND		.001	.001							
19	.000 ND		.000 ND								.000 ND	.001
20												
21									.002	.000 ND		
22								.000 ND				
23						.000 ND	.001					
24		.000 ND		.001	.001							
25	.000 ND		.001									
26											.000 ND	AO
27									.000 ND	TS		
28								.003				
29						.000 ND	.002					
30				.003	.002							
31	.000 ND		.000 ND									
NO.:	6	4	6	4	5	4	5	5	5	4	5	4
MAX:	.002	.001	.001	.003	.002	.001	.003	.003	.002	.002	.002	.001
MEAN:	.0003	.0003	.0005	.0013	.0012	.0003	.0016	.0008	.0006	.0010	.0012	.0003
ANNUAL OBSERVATIONS:	57		ANNUAL MEAN:	.0008		ANNUAL MAX:	.003					

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Jul. 3, 2019

(12103) Arsenic (TSP) STP

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 CITY: (00000) Not in a city  
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 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-38-2  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2017

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	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		.001				.001						
13	.000 ND			.002	.001							
14			.000 ND									
15												
16												
17												
18		.000 ND				.000 ND						
19	.000 ND			.000 ND	.001							
20			.001									
21												
22												
23												
24		.001				.000 ND						
25	.000 ND			AM	AV							
26			.002									
27												
28												
29												
30						.000 ND						
31	.001				.000 ND							
NO.:	6	4	5	4	5	5	0	0	0	0	0	0
MAX:	.001	.001	.002	.002	.001	.001						
MEAN:	.0002	.0005	.0006	.0005	.0004	.0002						
ANNUAL OBSERVATIONS:		29		ANNUAL MEAN:	.0004	ANNUAL MAX:	.002					

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12105) Beryllium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-41-7  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2013

DURATION: 24 HOUR  
 UNITS: Nanograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									AF	.000 ND		
2								.000 ND				
3		.000 ND				.000 ND	.000 ND					
4	.000 ND			.000 ND	.000 ND							
5			AF									
6											AS	.000 ND
7								.000 ND		.000 ND		
8								.000 ND				
9		AS				AS	.000 ND					
10	.000 ND			AS	.000 ND							
11			.000 ND								.000 ND	.000 ND
12												
13									.000 ND	AS		
14								.000 ND				
15		AS				AF	.000 ND					
16	.000 ND			.000 ND	AS							
17			.000 ND									
18											.000 ND	AS
19								.000 ND		.000 ND		
20								.000 ND				
21		.000 ND				AS	.000 ND					
22	AS			.000 ND	.000 ND							
23			AF									
24											.000 ND	.000 ND
25									AS	.000 ND		
26								.000 ND				
27		.000 ND				.000 ND	.000 ND					
28	AS			AS	AS							
29			.000 ND									
30											AS	.000 ND
31										.000 ND		
NO.:	3	3	3	3	3	2	5	5	3	5	3	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
ANNUAL OBSERVATIONS:	42		ANNUAL MEAN:		0.0000		ANNUAL MAX:		0.000			

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12105) Beryllium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-41-7  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2014

DURATION: 24 HOUR  
 UNITS: Nanograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	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		AF				AF	AS					
5	.000 ND			AF	AF							
6			.000 ND									
7										.000 ND	.000 ND	
8									.000 ND	.000 ND		
9								.000 ND				
10		.000 ND				AS	.000 ND					
11	AS			AS	.000 ND						.000 ND	.000 ND
12			.000 ND									
13									.000 ND	.000 ND		
14											.000 ND	.000 ND
15								AS				
16		AF				AS	.000 ND					
17	.000 ND			.000 ND	.000 ND							
18			.000 ND									
19										.000 ND	.000 ND	
20									.000 ND	.000 ND		
21								AF				
22		.000 ND				.000 ND	AF					
23	.000 ND			.000 ND	AF							
24			.000 ND									
25											.000 ND	.000 ND
26									AS	AS		
27								.000 ND				
28		.000 ND				.000 ND	.000 ND					
29	.000 ND			AF	.000 ND							
30			.000 ND									
31												.000 ND
NO.:	4	3	5	2	3	2	3	3	4	4	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
ANNUAL OBSERVATIONS:	44		ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
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Jul. 3, 2019

(12105) Beryllium (TSP) STP

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 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-41-7  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			AF									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								.000 ND				
5		.000 ND				.000 ND	AF					
6	.000 ND			.000 ND	.000 ND							
7			.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10								.000 ND				
11		AS				.000 ND	.000 ND					
12	.000 ND			.000 ND	.000 ND							
13			.000 ND								.000 ND	.000 ND
14												
15									.000 ND	.000 ND		
16								.000 ND				
17		AS				.000 ND	.000 ND					
18	.000 ND			.000 ND	.000 ND							
19			AF									
20											.000 ND	.000 ND
21									.000 ND	.000 ND		
22								.000 ND				
23		AF				.000 ND	.000 ND					
24	.000 ND			.000 ND	.000 ND							
25			.000 ND									
26											.000 ND	.000 ND
27									.000 ND	AM		
28								.000 ND				
29						.000 ND	.000 ND					
30	.000 ND			.000 ND	.000 ND							
31			AS									
NO.:	5	1	3	5	5	5	4	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
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:		0.0000		ANNUAL MAX:		0.000			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12105) Beryllium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-41-7  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2016

DURATION: 24 HOUR  
 UNITS: Nanograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2												
3									.000 ND	.000 ND	.000 ND	.000 ND
4								.000 ND				
5						AV	.000 ND					
6		.000 ND		AM	.000 ND							
7	.000 ND		.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10								.000 ND				
11						.340	.000 ND					
12		.000 ND		.000 ND	.000 ND							
13	.000 ND		.000 ND								.000 ND	.000 ND
14									.000 ND	.000 ND		
15								.000 ND				
16									.000 ND			
17						.000 ND	.000 ND					
18		.000 ND		.000 ND	.000 ND							
19	.000 ND		.000 ND								.000 ND	.000 ND
20												
21									.000 ND	.000 ND		
22								.000 ND				
23						.000 ND	.000 ND					
24		.000 ND		.000 ND	.000 ND							
25	.000 ND		.000 ND									
26											.000 ND	AO
27									.000 ND	TS		
28								.000 ND				
29						.000 ND	.000 ND					
30				.000 ND	.000 ND							
31	.000 ND		.000 ND									
NO.:	6	4	6	4	5	4	5	5	5	4	5	4
MAX:	0.000	0.000	0.000	0.000	0.000	.340	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	.0850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	57		ANNUAL MEAN:	.0060	ANNUAL MAX:	.340						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12105) Beryllium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-41-7  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

SUPPORT AGENCY: (0851) Pennsylvania Department Of Environmental Protection  
 MONITOR TYPE: OTHER  
 COLLECTION AND ANALYSIS METHOD: (089) HI-VOL ICP/MS W/QUARTZ FILTER  
 PQA0: (0851) Pennsylvania Department Of Environmental Protection

REPORT FOR: 2017

DURATION: 24 HOUR  
 UNITS: Nanograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	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			.000 ND	.000 ND							
20			.000 ND									
21												
22												
23												
24		.000 ND				.000 ND						
25	.000 ND			AM	AV							
26			.000 ND									
27												
28												
29												
30						.000 ND						
31	.000 ND				.000 ND							
NO.:	6	4	5	4	5	5	0	0	0	0	0	0
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
ANNUAL OBSERVATIONS:	29		ANNUAL MEAN:		0.0000	ANNUAL MAX:		0.000				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12110) Cadmium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-43-9  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2013

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									AF	.013		
2								.011				
3		.010				.001	.001					
4	.021 5			.003	.000 ND							
5			AF									
6											AS	.000
7								.003	.010	.024 5		
8												
9		AS				AS	.001					
10	.029 5			AS	.004							
11			.002								.004	.084 5
12												
13								.002	AS			
14								.005				
15		AS				AF	.018 5					
16	.002			.007	AS							
17			.003									
18											.183 5	AS
19								.006	.016 5			
20								.010				
21		.015 5				AS	.005					
22	AS			.001	.000							
23			AF									
24											.094 5	.042 5
25									AS	.030 5		
26								.003				
27		.014 5				.009	.002					
28	AS			AS	AS							
29			.006									
30											AS	.013
31										.001		
NO.:	3	3	3	3	3	2	5	5	3	5	3	4
MAX:	.029	.015	.006	.007	.004	.009	.018	.011	.010	.030	.183	.084
MEAN:	.0173	.0130	.0037	.0037	.0013	.0050	.0054	.0064	.0060	.0168	.0937	.0348
ANNUAL OBSERVATIONS:		42		ANNUAL MEAN:	.0169	ANNUAL MAX:	.183					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12110) Cadmium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-43-9  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2014

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.001	.000
2									.000	.009		
3								.001				
4		AF				AF	AS					
5	.005			AF	AF							
6			.001									
7										.002	.001	
8									.000	.006		
9								.005				
10		.100 5				AS	.000					
11	AS			AS	.000							
12			.004									
13										.004	.004 QX	
14									.000	.001		
15								AS				
16		AF				AS	.003					
17	.010			.001	.001							
18			.003									
19										.006	.001 QX	
20									.001	.000		
21								AF				
22		.067 5				.000	AF					
23	.083 5			.002	AF							
24			.024 5									
25											.009	.000 ND
26									AS	AS		
27								.001				
28		.007				.000	.000					
29	.015 5			AF	.002							
30			.002									
31												.003 QX
NO.:	4	3	5	2	3	2	3	3	4	4	5	6
MAX:	.083	.100	.024	.002	.002	0.000	.003	.005	.001	.009	.009	.004
MEAN:	.0283	.0580	.0068	.0015	.0010	0.0000	.0010	.0023	.0003	.0040	.0044	.0015
ANNUAL OBSERVATIONS:	44		ANNUAL MEAN:	.0088		ANNUAL MAX:	.100					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12110) Cadmium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-43-9  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			AF									
2												
3									.001	.001	.000	.000
4								.000				
5		.000 ND				.001	AF					
6	.002 QX			.001 QX	.001							
7			.000									
8											.280 5	.001
9									.001	.001		
10								.000				
11		AS				.001	.001					
12	.001 QX			.001	.001							
13			.001								.000	.000
14									.001	.002		
15								.000				
16												
17		AS				.001	.001					
18	.000			.001	.000 ND							
19			AF									
20											.000	.000
21									.001	.001		
22								.001				
23		AF				.000	.002					
24	.000			.001	.001							
25			.000									
26											.000 ND	.000
27									.001	AM		
28								.001				
29						.000 ND	.001					
30	.000 QX			.001	.000 ND							
31			AS									
NO.:	5	1	3	5	5	5	4	5	5	4	5	5
MAX:	.002	0.000	.001	.001	.001	.001	.002	.001	.001	.002	.280	.001
MEAN:	.0006	0.0000	.0003	.0010	.0006	.0006	.0013	.0004	.0010	.0013	.0560	.0002
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.0060	ANNUAL MAX:	.280					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12110) Cadmium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-43-9  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2016

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.003 5									
2												
3									.000	.002	.000	.000 ND
4								.000 ND				
5						AV	.000					
6		.000 ND		AM	.000 ND							
7	.002		.000									
8											.000	.000 ND
9									.000 ND	.001		
10								.000 ND				
11						.000	.001					
12		.001		.000 ND	.000 ND							
13	.000 ND		.001								.000	.000 ND
14									.000	.001		
15								.000				
16												
17						.000 ND	.001					
18		.002		.000	.001							
19	.000		.001								.000 ND	.000 ND
20												
21									.007 5	.000 ND		
22								.001				
23						.001	.002					
24		.000 ND		.000 ND	.001							
25	.000 ND		.000 ND									
26											.000 ND	AO
27									.000 ND	TS		
28								.000				
29						.000 ND	.000					
30				.000 ND	.000							
31	.000 ND		.000 ND									
NO.:	6	4	6	4	5	4	5	5	5	4	5	4
MAX:	.002	.002	.003	0.000	.001	.001	.002	.001	.007	.002	0.000	0.000
MEAN:	.0003	.0008	.0008	0.0000	.0004	.0003	.0008	.0002	.0014	.0010	0.0000	0.0000
ANNUAL OBSERVATIONS:	57		ANNUAL MEAN:	.0005		ANNUAL MAX:	.007					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12110) Cadmium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-43-9  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2017

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	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		.000				.000 ND						
13	.002			.000 ND	.000 ND							
14			.000 ND									
15												
16												
17												
18		.000 ND				.000 ND						
19	.000 ND			.000 ND	.000 ND							
20			.000									
21												
22												
23												
24		.000 ND				.000 ND						
25	.000 ND			AM	AV							
26			.001									
27												
28												
29												
30						.000 ND						
31	.000 ND				.000 ND							
NO.:	6	4	5	4	5	5	0	0	0	0	0	0
MAX:	.002	0.000	.001	0.000	0.000	0.000						
MEAN:	.0003	0.0000	.0002	0.0000	0.0000	0.0000						
ANNUAL OBSERVATIONS:	29		ANNUAL MEAN:	.0001		ANNUAL MAX:	.002					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12112) Chromium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-47-3  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2013

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									AF	.000 ND		
2								.011 5				
3		.000 ND				.000 ND	.000 ND					
4	.006			.000 ND	.000 ND							
5			AF									
6											AS	.000 ND
7								.000 ND		.000 ND		
8								.000 ND				
9		AS				AS	.000 ND					
10	.006			AS	.000 ND							
11			.007								.000 ND	.005
12												
13								.000 ND	AS			
14								.000 ND				
15		AS				AF	.000 ND					
16	.000 ND			.000 ND	AS							
17			.000 ND								.006	AS
18									.000 ND	.000 ND		
19								.008				
20		.000 ND				AS	.000 ND					
21	AS			.000 ND	.000 ND							
22			AF								.005	.000 ND
23									AS	.000 ND		
24								.006				
25		.000 ND				.000 ND	.009					
26	AS			AS	AS							
27			.000 ND								AS	.000 ND
28												
29												
30												
31										.000 ND		
NO.:	3	3	3	3	3	2	5	5	3	5	3	4
MAX:	.006	0.000	.007	0.000	0.000	0.000	.009	.011	0.000	0.000	.006	.005
MEAN:	.0040	0.0000	.0023	0.0000	0.0000	0.0000	.0018	.0050	0.0000	0.0000	.0037	.0013
ANNUAL OBSERVATIONS:		42		ANNUAL MEAN:	.0016	ANNUAL MAX:	.011					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12112) Chromium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-47-3  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2014

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	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		AF				AF	AS					
5	.000 ND			AF	AF							
6			.000 ND									
7											.000 ND	.000 ND
8									.000 ND	.000 ND		
9								.000 ND				
10		.000 ND				AS	.000 ND					
11	AS			AS	.000 ND						.000 ND	.000 ND
12			.000 ND									
13									.000 ND	.000 ND		
14											.000 ND	.000 ND
15								AS				
16		AF				AS	.000 ND					
17	.000 ND			.000 ND	.000 ND							
18			.000 ND									
19											.000 ND	.000 ND
20									.000 ND	.000 ND		
21								AF				
22		.000 ND				.000 ND	AF					
23	.000 ND			.000 ND	AF							
24			.000 ND									
25											.000 ND	.000 ND
26									AS	AS		
27								.000 ND				
28		.005				.000 ND	.000 ND					
29	.000 ND			AF	.000 ND							
30			.000 ND									
31												.005
NO.:	4	3	5	2	3	2	3	3	4	4	5	6
MAX:	0.000	.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	.005
MEAN:	0.0000	.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0008
ANNUAL OBSERVATIONS:	44		ANNUAL MEAN:	.0002		ANNUAL MAX:	.005					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12112) Chromium (TSP) STP  
 SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-47-3  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			AF									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								.000 ND				
5		.000 ND				.000 ND	AF					
6	.000 ND			.000 ND	.000 ND							
7			.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10								.000 ND				
11		AS				.006	.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		AS				.006	.000 ND					
18	.000 ND			.000 ND	.000 ND							
19			AF									
20											.000 ND	.000 ND
21									.000 ND	.000 ND		
22								.000 ND				
23		AF				.000 ND	.000 ND					
24	.000 ND			.000 ND	.000 ND							
25			.000 ND									
26											.000 ND	.000 ND
27									.000 ND	AM		
28								.000 ND				
29						.000 ND	.000 ND					
30	.000 ND			.000 ND	.000 ND							
31			AS									
NO.:	5	1	3	5	5	5	4	5	5	4	5	5
MAX:	0.000	0.000	0.000	0.000	0.000	.006	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:	.0002		ANNUAL MAX:	.006					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12112) Chromium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-47-3  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2016

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2												
3									.000 ND	.000 ND	.000 ND	.000 ND
4								.000 ND				
5						AV	.000 ND					
6		.000 ND		AM	.000 ND							
7	.005		.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10								.000 ND				
11						.000 ND	.000 ND					
12		.000 ND		.000 ND	.006							
13	.000 ND		.000 ND								.000 ND	.000 ND
14												
15									.000 ND	.000 ND		
16								.000 ND				
17						.000 ND	.000 ND					
18		.000 ND		.000 ND	.000 ND							
19	.000 ND		.000 ND								.000 ND	.000 ND
20												
21									.000 ND	.000 ND		
22								.000 ND				
23						.000 ND	.000 ND					
24		.000 ND		.000 ND	.000 ND							
25	.000 ND		.000 ND									
26											.000 ND	AO
27									.000 ND	TS		
28								.000 ND				
29						.000 ND	.000 ND					
30				.000 ND	.000 ND							
31	.000 ND		.000 ND									
NO.:	6	4	6	4	5	4	5	5	5	4	5	4
MAX:	.005	0.000	0.000	0.000	.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	.0008	0.0000	0.0000	0.0000	.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	57		ANNUAL MEAN:	.0002		ANNUAL MAX:	.006					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12112) Chromium (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-47-3  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2017

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND			.000 ND	.032							
2			.000 ND									
3												
4												
5												
6		.000 ND				.025						
7	.000 ND			.029	.031							
8			.000 ND									
9												
10												
11												
12		.000 ND				.027						
13	.000 ND			.032	.032							
14			.000 ND									
15												
16												
17												
18		.000 ND				.025						
19	.000 ND			.030	.032							
20			.000 ND									
21												
22												
23												
24		.000 ND				.023						
25	.000 ND			AM	AV							
26			.000 ND									
27												
28												
29												
30						.028						
31	.000 ND				.024							
NO.:	6	4	5	4	5	5	0	0	0	0	0	0
MAX:	0.000	0.000	0.000	.032	.032	.028						
MEAN:	0.0000	0.0000	0.0000	.0228	.0302	.0256						
ANNUAL OBSERVATIONS:		29		ANNUAL MEAN:	.0128	ANNUAL MAX:	.032					

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12128) Lead (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7439-92-1  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2013

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									AF	.1068		
2								.1222				
3		.1852 5				.0119	.0146					
4	.4085 5			.0730	.0057							
5			AF									
6											AS	.0049
7								.0418		.1507	.3011 5	
8												
9		AS				AS	.0122					
10	.3435 5			AS	.0323							
11			.0312									
12											.0399	.4759 5
13									.0178	AS		
14								.0749				
15		AS				AF	.2203 5					
16	.0231			.0683	AS							
17			.0493									
18											.7128 5	AS
19								.0956		.1070		
20								.1265				
21		.2958 5				AS	.0532					
22	AS			.0130	.0071							
23			AF									
24											1.4031 5	.2876 5
25									AS	.2707 5		
26								.0393				
27		.1257				.1094	.0467					
28	AS			AS	AS							
29			.1030									
30											AS	.0436
31										.0174		
NO.:	3	3	3	3	3	2	5	5	3	5	3	4
MAX:	.4085	.2958	.1030	.0730	.0323	.1094	.2203	.1265	.1507	.3011	1.4031	.4759
MEAN:	.25837	.20223	.06117	.05143	.01503	.06065	.06940	.08094	.08803	.16060	.71860	.20300
ANNUAL OBSERVATIONS:		42		ANNUAL MEAN:	.15887	ANNUAL MAX:	1.4031					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12128) Lead (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7439-92-1  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2014

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.0100	.0000 ND
2									.0052	.0766		
3								.0060				
4		AF				AF	AS					
5	.0535			AF	AF							
6			.0135									
7											.0115	.0118
8									.0084	.0535		
9								.0110				
10		.3550 5				AS	.0062					
11	AS			AS	.0067							
12			.0308									
13											.0343	.0212 QX
14									.0082	.0166		
15								AS				
16		AF				AS	.0221					
17	.0665			.0186	.0055							
18			.0109									
19											.0624	.0000 ND
20									.0130	.0000 ND		
21								AF				
22		.1910 5				.0085	AF					
23	.3554 5			.0104	AF							
24			.0724									
25											.0671	.0000 ND
26									AS	AS		
27								.0167				
28		.0576				.0099	.0065					
29	.0521			AF	.0181							
30			.0110									
31												.0304 QX
NO.:	4	3	5	2	3	2	3	3	4	4	5	6
MAX:	.3554	.3550	.0724	.0186	.0181	.0099	.0221	.0167	.0130	.0766	.0671	.0304
MEAN:	.13188	.20120	.02772	.01450	.01010	.00920	.01160	.01123	.00870	.03668	.03706	.01057
ANNUAL OBSERVATIONS:	44		ANNUAL MEAN:	.04196		ANNUAL MAX:	.3554					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
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Jul. 3, 2019

(12128) Lead (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7439-92-1  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			AF									
2												
3									.0266	.0000 ND	.0066	.0000 ND
4								.0081				
5		.0000 ND				.0083	AF					
6	.0171 QX			.0138 QX	.0124							
7			.0000 ND									
8											.0541	.0095
9									.0105	.0000 ND		
10								.0080				
11		AS				.0056	.0073					
12	.0084 QX			.0117	.0112							
13			.0104								.0000 ND	.0074
14									.0073	.0000 ND		
15								.0077				
16												
17		AS				.0058	.0071					
18	.0048			.0118	.0000 ND							
19			AF									
20											.0000 ND	.0000 ND
21									.0081	.0000 ND		
22								.0000 ND				
23		AF				.0000 ND	.0180					
24	.0048			.0144	.0130							
25			.0060									
26											.0000 ND	.0000 ND
27									.0000 ND	AM		
28								.0112				
29						.0000 ND	.0117					
30	.0097			.0092	.0056							
31			AS									
NO.:	5	1	3	5	5	5	4	5	5	4	5	5
MAX:	.0171	0.0000	.0104	.0144	.0130	.0083	.0180	.0112	.0266	0.0000	.0541	.0095
MEAN:	.00896	0.00000	.00547	.01218	.00844	.00394	.01103	.00700	.01050	0.00000	.01214	.00338
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.00756	ANNUAL MAX:	.0541					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
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Jul. 3, 2019

(12128) Lead (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7439-92-1  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2016

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.0000 ND		.0000 ND									
2												
3									.0000 ND	.0000 ND	.0000 ND	.0000 ND
4								.0000 ND				
5						AV	.0000 ND					
6		.0000 ND		AM	.0000 ND							
7	.0170		.0000 ND									
8											.0108	.0000 ND
9									.0000 ND	.0000 ND		
10								.0000 ND				
11						.0064	.0081					
12		.0000 ND		.0000 ND	.0000 ND							
13	.0000 ND		.0073								.0071	.0000 ND
14												
15									.0000 ND	.0079		
16								.0000 ND				
17						.0000 ND	.0058					
18		.0000 ND		.0067	.0000 ND							
19	.0000 ND		.0000 ND								.0000 ND	.0000 ND
20												
21									.0130	.0000 ND		
22								.0069				
23						.0000 ND	.0000 ND					
24		.0000 ND		.0000 ND	.0087							
25	.0000 ND		.0000 ND									
26											.0000 ND	AO
27									.0000 ND	TS		
28								.0074				
29						.0126	.0057					
30				.0000 ND	.0000 ND							
31	.0000 ND		.0000 ND									
NO.:	6	4	6	4	5	4	5	5	5	4	5	4
MAX:	.0170	0.0000	.0073	.0067	.0087	.0126	.0081	.0074	.0130	.0079	.0108	0.0000
MEAN:	.00283	0.00000	.00122	.00168	.00174	.00475	.00392	.00286	.00260	.00198	.00358	0.00000
ANNUAL OBSERVATIONS:	57		ANNUAL MEAN:	.00231	ANNUAL MAX:	.0170						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12128) Lead (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7439-92-1  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2017

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	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				.0019						
7	.0000 ND			.0000 ND	.0000 ND							
8			.0000 ND									
9												
10												
11												
12		.0000 ND				.0028						
13	.0000 ND			.0067	.0000 ND							
14			.0000 ND									
15												
16												
17												
18		.0000 ND				.0015						
19	.0000 ND			.0000 ND	.0000 ND							
20			.0000 ND									
21												
22												
23												
24		.0000 ND				.0012						
25	.0000 ND			AM	AV							
26			.0000 ND									
27												
28												
29												
30						.0014						
31	.0000 ND				.0018							
NO.:	6	4	5	4	5	5	0	0	0	0	0	0
MAX:	0.0000	0.0000	0.0000	.0067	.0018	.0028						
MEAN:	0.00000	0.00000	0.00000	.00168	.00036	.00176						
ANNUAL OBSERVATIONS:		29		ANNUAL MEAN:	.00060	ANNUAL MAX:	.0067					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12132) Manganese (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7439-96-5  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2013

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									AF	.099 5		
2								.110 5				
3		.048				.019	.014					
4	.071			.053	.021							
5			AF									
6											AS	.006
7								.018	.044	.112 5		
8												
9		AS				AS	.009					
10	.131 5			AS	.024							
11			.029								.017	.160 5
12									.010	AS		
13								.019				
14		AS				AF	.147 5					
15	.018			.032	AS							
16			.022								.137 5	AS
17								.051	.020			
18								.047				
19		.093 5				AS	.024					
20	AS			.022	.017							
21			AF								.227 5	.106 5
22									AS	.152 5		
23		.027				.069	.023	.054				
24	AS			AS	AS							
25			.056								AS	.022
26										.015		
27												
28												
29												
30												
31												
NO.:	3	3	3	3	3	2	5	5	3	5	3	4
MAX:	.131	.093	.056	.053	.024	.069	.147	.110	.051	.152	.227	.160
MEAN:	.0733	.0560	.0357	.0357	.0207	.0440	.0434	.0496	.0350	.0796	.1270	.0735
ANNUAL OBSERVATIONS:		42		ANNUAL MEAN:	.0570	ANNUAL MAX:	.227					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12132) Manganese (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7439-96-5  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2014

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.008	.006
2									.016	.030		
3								.006				
4		AF				AF	AS					
5	.021			AF	AF							
6			.036									
7										.010	.016	
8									.023	.132 5		
9								.023				
10		.116 5				AS	.023					
11	AS			AS	.018							
12			.029									
13									.011	.028	.063	.019
14								AS				
15												
16		AF				AS	.025					
17	.036			.051	.010							
18			.032									
19										.037	.012	
20									.020	.012		
21								AF				
22		.056				.014	AF					
23	.117 5			.014	AF							
24			.067									
25											.030	.003 QX
26									AS	AS		
27								.031				
28		.057				.013	.019					
29	.034			AF	.036							
30			.012									
31												.037 QX
NO.:	4	3	5	2	3	2	3	3	4	4	5	6
MAX:	.117	.116	.067	.051	.036	.014	.025	.031	.023	.132	.063	.037
MEAN:	.0520	.0763	.0352	.0325	.0213	.0135	.0223	.0200	.0175	.0505	.0296	.0155
ANNUAL OBSERVATIONS:	44		ANNUAL MEAN:	.0320		ANNUAL MAX:	.132					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12132) Manganese (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7439-96-5  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			AF									
2											.026	.018
3									.073	.007		
4								.022				
5		.020				.024	AF					
6	.016			.148 5	.031							
7			.009								.170 5	.034
8												
9									.040	.022		
10								.023				
11		AS				.099 5	.012					
12	.006			.015	.029							
13			.030								.018	.013
14									.051	.029		
15								.021				
16												
17		AS				.021	.022					
18	.009			.030	.026							
19			AF								.040	.019
20												
21									.035	.042		
22								.014				
23		AF				.029	.035					
24	.012 QX			.046	.017							
25			.015 QX									
26											.006	.010
27									.015	AM		
28								.033				
29						.010	.028					
30	.008			.039	.008							
31			AS									
NO.:	5	1	3	5	5	5	4	5	5	4	5	5
MAX:	.016	.020	.030	.148	.031	.099	.035	.033	.073	.042	.170	.034
MEAN:	.0102	.0200	.0180	.0556	.0222	.0366	.0243	.0226	.0428	.0250	.0520	.0188
ANNUAL OBSERVATIONS:	52		ANNUAL MEAN:	.0303		ANNUAL MAX:	.170					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12132) Manganese (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7439-96-5  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2016

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.008		.013									
2											.029	.037
3									.010	.037		
4								.019				
5						AV	.030					
6		.019		AM	.017							
7	.048		.034								.117 5	.033
8												
9									.020	.007		
10								.021				
11						.023	.033					
12		.024		.012	.046							
13	.017		.019								.046	.027
14									.015	.021		
15								.015				
16						.015	.016					
17		.021		.036	.012							
18	.041		.022								.020	.019
19									.036	.005		
20								.016				
21						.013	.018					
22		.007		.017	.069 5							
23	.011		.014									
24											.006	AO
25								.023	TS			
26												
27						.022	.034					
28				.012	.011							
29	.015		.016									
30												
31												
NO.:	6	4	6	4	5	4	5	5	5	4	5	4
MAX:	.048	.024	.034	.036	.069	.023	.034	.021	.036	.037	.117	.037
MEAN:	.0233	.0178	.0197	.0193	.0310	.0183	.0262	.0160	.0208	.0175	.0436	.0290
ANNUAL OBSERVATIONS:		57		ANNUAL MEAN:	.0237	ANNUAL MAX:	.117					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12132) Manganese (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7439-96-5  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2017

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.012			.010	.023							
2			.015									
3												
4												
5												
6		.025				.013						
7	.011			.009	.008							
8			.027									
9												
10												
11												
12		.007				.048						
13	.018			.046	.016							
14			.012									
15												
16												
17												
18		.029				.010						
19	.014			.018	.024							
20			.018									
21												
22												
23												
24		.019				.013						
25	.009			AM	AV							
26			.013									
27												
28												
29												
30						.029						
31	.017				.021							
NO.:	6	4	5	4	5	5	0	0	0	0	0	0
MAX:	.018	.029	.027	.046	.024	.048						
MEAN:	.0135	.0200	.0170	.0208	.0184	.0226						
ANNUAL OBSERVATIONS:		29		ANNUAL MEAN:	.0184	ANNUAL MAX:	.048					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12136) Nickel (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-02-0  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2013

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									AF	.000 ND		
2								.013				
3		.000 ND				.000 ND	.000 ND					
4	.005			.000 ND	.000 ND							
5			AF									
6											AS	.000 ND
7								.000 ND		.000 ND		
8								.000 ND				
9		AS				AS	.000 ND					
10	.005			AS	.000 ND							
11			.000 ND								.000 ND	.000 ND
12												
13								.000 ND	AS			
14								.000 ND				
15		AS				AF	.000 ND					
16	.000 ND			.000 ND	AS							
17			.000 ND								.000 ND	AS
18									.000 ND	.000 ND		
19								.008				
20		.000 ND				AS	.000 ND					
21	AS			.000 ND	.000 ND							
22			AF								.000 ND	.000 ND
23									AS	.000 ND		
24								.006				
25		.000 ND				.000 ND	.000 ND					
26	AS			AS	AS							
27			.005								AS	.000 ND
28												
29												
30												
31										.000 ND		
NO.:	3	3	3	3	3	2	5	5	3	5	3	4
MAX:	.005	0.000	.005	0.000	0.000	0.000	0.000	.013	0.000	0.000	0.000	0.000
MEAN:	.0033	0.0000	.0017	0.0000	0.0000	0.0000	0.0000	.0054	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:		42		ANNUAL MEAN:	.0010	ANNUAL MAX:	.013					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12136) Nickel (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-02-0  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2014

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	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		AF				AF	AS					
5	.000 ND			AF	AF							
6			.000 ND									
7											.000 ND	.000 ND
8									.000 ND	.000 ND		
9								.000 ND				
10		.000 ND				AS	.000 ND					
11	AS			AS	.000 ND						.000 ND	.000 ND
12			.000 ND									
13									.000 ND	.000 ND		
14											.000 ND	.000 ND
15								AS				
16		AF				AS	.000 ND					
17	.000 ND			.000 ND	.000 ND							
18			.000 ND									
19											.000 ND	.000 ND
20									.000 ND	.000 ND		
21								AF				
22		.000 ND				.000 ND	AF					
23	.000 ND			.000 ND	AF							
24			.000 ND									
25											.000 ND	.000 ND
26									AS	AS		
27								.000 ND				
28		.000 ND				.000 ND	.000 ND					
29	.000 ND			AF	.000 ND							
30			.000 ND									
31												.000 ND
NO.:	4	3	5	2	3	2	3	3	4	4	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
ANNUAL OBSERVATIONS:	44		ANNUAL MEAN:	0.0000	ANNUAL MAX:	0.000						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12136) Nickel (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-02-0  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			AF									
2											.000 ND	.000 ND
3									.000 ND	.000 ND		
4								.000 ND				
5		.000 ND				.000 ND	AF					
6	.000 ND			.000 ND	.000 ND							
7			.000 ND									
8											.029 5	.000 ND
9									.000 ND	.000 ND		
10								.000 ND				
11		AS				.000 ND	.000 ND					
12	.000 ND			.000 ND	.000 ND							
13			.000 ND								.000 ND	.000 ND
14									.000 ND	.000 ND		
15												
16								.000 ND				
17		AS				.000 ND	.010					
18	.000 ND			.000 ND	.000 ND							
19			AF									
20											.000 ND	.000 ND
21									.000 ND	.000 ND		
22								.000 ND				
23		AF				.000 ND	.000 ND					
24	.000 ND			.000 ND	.000 ND							
25			.000 ND									
26											.000 ND	.000 ND
27									.000 ND	AM		
28								.000 ND				
29						.000 ND	.000 ND					
30	.000 ND			.000 ND	.000 ND							
31			AS									
NO.:	5	1	3	5	5	5	4	5	5	4	5	5
MAX:	0.000	0.000	0.000	0.000	0.000	0.000	.010	0.000	0.000	0.000	.029	0.000
MEAN:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0025	0.0000	0.0000	0.0000	.0058	0.0000
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.0008		ANNUAL MAX:	.029				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12136) Nickel (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-02-0  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2016

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.000 ND		.000 ND									
2												
3									.000 ND	.000 ND	.000 ND	.000 ND
4								.000 ND				
5						AV	.000 ND					
6		.000 ND		AM	.000 ND							
7	.009		.000 ND									
8											.000 ND	.000 ND
9									.000 ND	.000 ND		
10								.000 ND				
11						.000 ND	.000 ND					
12		.000 ND		.000 ND	.000 ND							
13	.000 ND		.000 ND								.000 ND	.000 ND
14												
15									.000 ND	.000 ND		
16								.000 ND				
17						.000 ND	.000 ND					
18		.000 ND		.000 ND	.000 ND							
19	.000 ND		.000 ND									
20											.000 ND	.000 ND
21										.000 ND	.000 ND	
22								.000 ND				
23						.000 ND	.000 ND					
24		.000 ND		.000 ND	.000 ND							
25	.000 ND		.000 ND									
26											.000 ND	AO
27									.000 ND	TS		
28								.000 ND				
29						.000 ND	.000 ND					
30				.000 ND	.000 ND							
31	.000 ND		.000 ND									
NO.:	6	4	6	4	5	4	5	5	5	4	5	4
MAX:	.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MEAN:	.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ANNUAL OBSERVATIONS:	57		ANNUAL MEAN:		.0002		ANNUAL MAX:		.009			

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12136) Nickel (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-02-0  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2017

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	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				.000 ND		
19	.000 ND			.000 ND	.000 ND							
20			.000 ND									
21												
22												
23												
24		.000 ND				.000 ND				.000 ND		
25	.000 ND			AM	AV							
26			.000 ND									
27												
28												
29												
30						.000 ND				.000 ND		
31	.000 ND				.000 ND							
NO.:	6	4	5	4	5	5	0	0	0	0	0	0
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
ANNUAL OBSERVATIONS:	29		ANNUAL MEAN:		0.0000	ANNUAL MAX:		0.000				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12167) Zinc (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-66-6  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2013

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									AF	1.269		
2								1.985 5				
3		3.189 5				.244	.350					
4	5.192 5			1.042	.066							
5			AF									
6											AS	.053
7								4.433 5	3.637 5			
8								.823				
9		AS				AS	.204					
10	6.445 5			AS	.714							
11			.428								.531	8.413 5
12												
13								.462	AS			
14								1.631				
15		AS				AF	4.201 5					
16	.380			1.873	AS							
17			.960									
18										7.894 5	AS	
19								.096	1.106			
20								1.333				
21		4.034 5				AS	.919					
22	AS			.451	.212							
23			AF									
24											6.597 5	3.505 5
25									AS	3.937 5		
26								.385				
27		1.524				1.763	.799					
28	AS			AS	AS							
29			2.196 5									
30											AS	.584
31										.214		
NO.:	3	3	3	3	3	2	5	5	3	5	3	4
MAX:	6.445	4.034	2.196	1.873	.714	1.763	4.201	1.985	4.433	3.937	7.894	8.413
MEAN:	4.0057	2.9157	1.1947	1.1220	.3307	1.0035	1.2946	1.2314	1.6637	2.0326	5.0073	3.1388
ANNUAL OBSERVATIONS:		42		ANNUAL MEAN:	2.0494	ANNUAL MAX:	8.413					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12167) Zinc (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-66-6  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2014

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											.183	.035
2									.067	1.677		
3								.064				
4		AF				AF	AS					
5	.704			AF	AF							
6			.227									
7											.215	.049
8									.119	1.166		
9								.080				
10		3.914 5				AS	.097					
11	AS			AS	.054							
12			.408									
13											.397	.430 QX
14									.049	.376		
15								AS				
16		AF				AS	.343					
17	1.160			.215	.052							
18			.326									
19											1.004	.675 QX
20									.265	.056		
21								AF				
22		.177				.058	AF					
23	3.665 5			.314	AF							
24			1.564									
25											1.049	.039 QX
26									AS	AS		
27								.278				
28		.624				.043	.061					
29	.585			AF	.794							
30			.214									
31												.620 QX
NO.:	4	3	5	2	3	2	3	3	4	4	5	6
MAX:	3.665	3.914	1.564	.314	.794	.058	.343	.278	.265	1.677	1.049	.675
MEAN:	1.5285	1.5717	.5478	.2645	.3000	.0505	.1670	.1407	.1250	.8188	.5696	.3080
ANNUAL OBSERVATIONS:	44		ANNUAL MEAN:	.5566	ANNUAL MAX:	3.914						

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12167) Zinc (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-66-6  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			AF									
2												
3									.181	.037	.071	.034
4								.055				
5		.035				.086	AF					
6	.267 QX			.196 QX	.107							
7			.030									
8											.204	.099
9									.089	.060		
10								.056				
11		AS				.098	.053					
12	.077 QX			.053	.186							
13			.073								.039	.042
14									.172	.048		
15								.052				
16												
17		AS				.076	.064					
18	.059 QX			.080	.044							
19			AF									
20											.050	.041
21									.092	.056		
22								.048				
23		AF				.057	.215					
24	.032 QX			.202	.051							
25			.051									
26											.023	.038
27									.031	AM		
28								.113				
29						.033	.080					
30	.102 QX			.087	.028							
31			AS									
NO.:	5	1	3	5	5	5	4	5	5	4	5	5
MAX:	.267	.035	.073	.202	.186	.098	.215	.113	.181	.060	.204	.099
MEAN:	.1074	.0350	.0513	.1236	.0832	.0700	.1030	.0648	.1130	.0503	.0774	.0508
ANNUAL OBSERVATIONS:		52		ANNUAL MEAN:	.0818		ANNUAL MAX:	.267				

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12167) Zinc (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-66-6  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2016

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.022		.022									
2												
3									.037	.078	.043	.029
4								.036				
5						AV	.052					
6		.039		AM	.038							
7	.177 5		.040									
8											.087	.040
9									.030	.032		
10								.033				
11						.042	.056					
12		.156 5		.033	.040							
13	.021		.068								.053	.030
14									.041	.098		
15								.039				
16						.034	.044					
17		.031		.065	.035							
18	.041		.055								.148	.032
19									.176 5	.016		
20								.051				
21						.031	.043					
22		.019		.034	.061							
23	.023		.030									
24											.027	AO
25								.028	.028	TS		
26						.054	.046					
27				.039	.027							
28	.029		.037									
29												
30												
31												
NO.:	6	4	6	4	5	4	5	5	5	4	5	4
MAX:	.177	.156	.068	.065	.061	.054	.056	.051	.176	.098	.148	.040
MEAN:	.0522	.0613	.0420	.0428	.0402	.0403	.0482	.0374	.0624	.0560	.0716	.0328
ANNUAL OBSERVATIONS:		57		ANNUAL MEAN:	.0491	ANNUAL MAX:	.177					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 AIR QUALITY SYSTEM  
 RAW DATA REPORT

Jul. 3, 2019

(12167) Zinc (TSP) STP

SITE ID: 42-007-0007 POC: 2  
 COUNTY: (007) Beaver  
 CITY: (00000) Not in a city  
 SITE ADDRESS: 760 Beaver Valley Mall  
 SITE COMMENTS: New Lead site PA\_ID B020  
 MONITOR COMMENTS:

STATE: (42) Pennsylvania  
 AQCR: (197) SOUTHWEST PENNSYLVANIA  
 URBANIZED AREA: (6282) PITTSBURGH, PA  
 LAND USE: COMMERCIAL  
 LOCATION SETTING: SUBURBAN

CAS NUMBER: 7440-66-6  
 LATITUDE: 40.673656  
 LONGITUDE: -80.317731  
 UTM ZONE:  
 UTM NORTHING:  
 UTM EASTING:  
 ELEVATION-MSL: 340  
 PROBE HEIGHT: 3

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: 2017

DURATION: 24 HOUR  
 UNITS: Micrograms/cubic meter (25 C)  
 MIN DETECTABLE:

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	.022			.026	.028							
2			.031									
3												
4												
5												
6		.030				.035						
7	.022			.020	.031							
8			.022									
9												
10												
11												
12		.028				.036						
13	.045			.076	.037							
14			.036									
15												
16												
17												
18		.025				.000 ND						
19	.018			.030	.041							
20			.030									
21												
22												
23												
24		.026				.000 ND						
25	.038			AM	AV							
26			.027									
27												
28												
29												
30						.000 ND						
31	.015				.000 ND							
NO.:	6	4	5	4	5	5	0	0	0	0	0	0
MAX:	.045	.030	.036	.076	.041	.036						
MEAN:	.0267	.0273	.0292	.0380	.0274	.0142						
ANNUAL OBSERVATIONS:		29		ANNUAL MEAN:	.0267	ANNUAL MAX:	.076					

Note: Qualifier codes with regional concurrence are shown in upper case, and those without regional review are shown in lower case. An asterisk (\*\*\*) indicates that the region has reviewed the value and does not concur with the qualifier.

QUALIFIER CODES:

Qualifier Code	Qualifier Description	Qualifier Type
5	Outlier.	QA
AF	Scheduled but not Collected.	NULL
AM	Miscellaneous Void.	NULL
AO	Bad Weather.	NULL
AS	Poor Quality Assurance Results.	NULL
AV	Power Failure.	NULL
ND	No Value Detected, Zero Reported.	QA
QX	Does not meet QC criteria.	QA
TS	Holding Time Or Transport Temperature Is Out Of Specs.	NULL

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