UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: GYE

DESIGN VALUE REPORT

Report Request ID: 1358889 Report Code: AMP480 Aug. 3, 2015

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	39	035	0049								

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
DESIGN VALUE	14129		

SELECTED OPTIONS

Option Type	Option Value
SINGLE EVENT PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS
WORKFILE DELIMITER	,
USER SITE METADATA	STREET ADDRESS
MERGE PDF FILES	YES
QUARTERLY DATA IN WORKFILE	NO
AGENCY ROLE	PQAO

DATE CRITERIA

Start Date	End Date
2014	2014

APPLICABLE STANDARDS

Standard Description
Lead 3-Month 2009

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Aug. 3, 2015

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Aug. 3, 2015

Pollutant: Lead (TSP) LC(14129)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: Lead 3-Month 2009
Statistic: 3-Month Rolling Average **Level:** .15

Design Value Year: 2014
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.
State Name: Ohio

		2014					2013					2012					3-Year		
Site ID	STREET ADDRESS	Max Value	Maximum Month	Param	Cert& Eval	Total Valid Months	Max Value	Maximum Month	Param	Cert& Eval	Total Valid Months	Max Value	Max Month	Param	Cert& Eval	Total Valid Months	DV and Valid	Max Mon/Yr	Total Valid Months
39-035-0049	E. 56TH ST.	.02	AUG	14129	Y	12	.02	MAY	14129		12	.03	MAY	14129	Y	12	.03 Y	MAY 2012	36

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: GYE

DESIGN VALUE REPORT

Report Request ID: 1432352 Report Code: AMP480 Apr. 8, 2016

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	39	035	0049								

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
DESIGN VALUE	14129		

SELECTED OPTIONS

Option Type	Option Value
SINGLE EVENT PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS
WORKFILE DELIMITER	,
USER SITE METADATA	STREET ADDRESS
MERGE PDF FILES	YES
QUARTERLY DATA IN WORKFILE	NO
AGENCY ROLE	PQAO

DATE CRITERIA

Start Date	End Date
2015	2015

APPLICABLE STANDARDS

Standard Description
Lead 3-Month 2009

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Apr. 8, 2016

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
PRELIMINARY DESIGN VALUE REPORT

Report Date: Apr. 8, 2016

Pollutant: Lead (TSP) LC(14129)
Standard Units: Micrograms/cubic meter (LC)(105)
NAAQS Standard: Lead 3-Month 2009
Statistic: 3-Month Rolling Average **Level:** .15

Design Value Year: 2015
REPORT EXCLUDES MEASUREMENTS WITH REGIONALLY CONCURRED EVENT FLAGS.
State Name: Ohio

		2015					2014					2013					3-Year		
Site ID	STREET ADDRESS	Max Value	Maximum Month	Param	Cert& Eval	Total Valid Months	Max Value	Maximum Month	Param	Cert& Eval	Total Valid Months	Max Value	Max Month	Param	Cert& Eval	Total Valid Months	DV and Valid	Max Mon/Yr	Total Valid Months
39-035-0049	E. 56TH ST.	.02	JUL	14129		12	.02	AUG	14129	Y	12	.02	MAY	14129		12	.02 Y	JUL 2015	36

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

CERTIFICATION EVALUATION AND CONCURRENCE FLAG MEANINGS

FLAG	MEANING
M	The monitoring organization has revised data from this monitor since the most recent certification letter received from the state.
N	The certifying agency has submitted the certification letter and required summary reports, but the certifying agency and/or EPA has determined that issues regarding the quality of the ambient concentration data cannot be resolved due to data completeness, the lack of performed quality assurance checks or the results of uncertainty statistics shown in the AMP255 report or the certification and quality assurance report.
S	The certifying agency has submitted the certification letter and required summary reports. A value of "S" conveys no Regional assessment regarding data quality per se. This flag will remain until the Region provides an "N" or "Y" concurrence flag.
U	Uncertified. The certifying agency did not submit a required certification letter and summary reports for this monitor even though the due date has passed, or the state's certification letter specifically did not apply the certification to this monitor.
X	Certification is not required by 40 CFR 58.15 and no conditions apply to be the basis for assigning another flag value
Y	The certifying agency has submitted a certification letter, and EPA has no unresolved reservations about data quality (after reviewing the letter, the attached summary reports, the amount of quality assurance data submitted to AQS, the quality statistics, and the highest reported concentrations).

Notes: 1. Computed design values are a snapshot of the data at the time the report was run (may not be all data for year).
2. Some PM2.5 24-hour DVs for incomplete data that are marked invalid here may be marked valid in the Official report due to additional analysis.
3. Annual Values not meeting completeness criteria are marked with an asterisk ('*').

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

User ID: GYE

COMBINED SITE SAMPLE VALUES

Report Request ID: 1432354 Report Code: AMP355 Apr. 8, 2016

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region
	39	035	0049								

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
COMBINABLE	14129		

SELECTED OPTIONS

Option Type	Option Value
SHOW SOURCE	YES
EVENTS PROCESSING	EXCLUDE REGIONALLY CONCURRED EVENTS
MERGE PDF FILES	YES
AGENCY ROLE	PQAO

SORT ORDER

Order	Column
1	STATE_CODE
2	COUNTY_CODE
3	SITE_ID
4	PARAMETER_CODE
5	YEAR

DATE CRITERIA

Start Date	End Date
2012 01 01	2015 12 31

APPLICABLE STANDARDS

Standard Description
Lead 3-Month 2009

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
COMBINED SITE SAMPLE VALUES

Apr. 8, 2016

(14129) Lead (TSP) LC

CAS NUMBER: 7439-92-1
LATITUDE: 41.446342
LONGITUDE: -81.6507

SITE ID: 39-035-0049
COUNTY: (035) Cuyahoga
CITY: (16000) Cleveland
SITE ADDRESS: E. 56TH ST.
SITE COMMENTS: FERRO CORP.

STATE: (39) Ohio
AQCR: (174) GREATER METROPOLITAN CLEVELAND
URBANIZED AREA: (1680) CLEVELAND, OH
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

SUPPORT AGENCY: (0229) Cleveland Air Pollution Control Agency
MONITOR TYPE: SLAMS
PQAO: (0229) Cleveland Air Pollution Control Agency

REPORT FOR: 2012

UNITS: 105

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1								0.018				
2						0.016	0.034					
3		0.017		0.037	0.019							
4	0.012		0.006									
5											0.006	0.007
6									0.018	0.009		
7								0.031				
8						0.037	0.010					
9		0.016		0.044	0.016							
10	0.024		0.010									
11											0.009	0.008
12									0.018	0.014		
13								0.016				
14						0.040	0.025					
15		0.014		0.010	0.034							
16	0.022		0.028									
17											0.021	0.013
18									0.008	0.017		
19								0.013				
20						0.017	0.011					
21		0.020		0.019	0.065							
22	0.009		0.036									
23											0.012	0.006
24									0.007	0.009		
25								0.024				
26						0.027	0.021					
27		0.014		0.013	0.018							
28	0.011		0.078									
29											0.018	0.006
30									0.008	0.002		
31								0.047				
NO.:	5	5	5	5	5	5	5	6	5	5	5	5
MAX:	.024	.02	.078	.044	.065	.04	.034	.047	.018	.017	.021	.013
MEAN:	.0156	.0162	.0316	.0246	.0304	.0274	.0202	.0248	.0118	.0102	.0132	.008

Note: Missing samples from the primary monitor that have been augmented with samples from collocated monitors are flagged with "*".

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
COMBINED SITE SAMPLE VALUES

Apr. 8, 2016

(14129) Lead (TSP) LC

CAS NUMBER: 7439-92-1
LATITUDE: 41.446342
LONGITUDE: -81.6507

SITE ID: 39-035-0049
COUNTY: (035) Cuyahoga
CITY: (16000) Cleveland
SITE ADDRESS: E. 56TH ST.
SITE COMMENTS: FERRO CORP.

STATE: (39) Ohio
AQCR: (174) GREATER METROPOLITAN CLEVELAND
URBANIZED AREA: (1680) CLEVELAND, OH
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

SUPPORT AGENCY: (0229) Cleveland Air Pollution Control Agency
MONITOR TYPE: SLAMS
PQAO: (0229) Cleveland Air Pollution Control Agency

REPORT FOR: 2013

UNITS: 105

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1									0.004	0.013		
2								0.011				
3		0.009				0.007	0.013					
4	0.012*			0.032	0.028							
5			0.016									
6											0.012	0.009
7									0.014	0.009		
8								0.011				
9		0.008				0.012	0.012					
10	0.012*			0.029	0.025							
11			0.007									
12											0.009	0.011
13									0.008	0.006		
14								0.014				
15		0.010				0.028	0.021					
16	0.018			0.011	0.021							
17			0.006									
18												0.010
19									0.025	0.006		
20								0.040				
21		0.014				0.035	0.007					
22	0.014			0.023	0.033							
23			0.014									
24											0.015	0.010
25									0.016	0.005		
26								0.017				
27		0.005				0.008	0.016					
28	0.011			0.012	0.070							
29			0.015									
30											0.009	0.006
31										0.014		
NO.:	5	5	5	5	5	5	5	5	5	6	4	5
MAX:	.018	.014	.016	.032	.07	.035	.021	.04	.025	.014	.015	.011
MEAN:	.0134	.0092	.0116	.0214	.0354	.018	.0138	.0186	.0134	.0088	.0113	.0092

Note: Missing samples from the primary monitor that have been augmented with samples from collocated monitors are flagged with "*".

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
COMBINED SITE SAMPLE VALUES

Apr. 8, 2016

(14129) Lead (TSP) LC

CAS NUMBER: 7439-92-1
LATITUDE: 41.446342
LONGITUDE: -81.6507

SITE ID: 39-035-0049
COUNTY: (035) Cuyahoga
CITY: (16000) Cleveland
SITE ADDRESS: E. 56TH ST.
SITE COMMENTS: FERRO CORP.

STATE: (39) Ohio
AQCR: (174) GREATER METROPOLITAN CLEVELAND
URBANIZED AREA: (1680) CLEVELAND, OH
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

SUPPORT AGENCY: (0229) Cleveland Air Pollution Control Agency
MONITOR TYPE: SLAMS
PQAO: (0229) Cleveland Air Pollution Control Agency

REPORT FOR: 2014

UNITS: 105

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1											0.003	0.005
2									0.019	0.020		
3								0.007				
4		0.014				0.019	0.014					
5	0.004			0.012	0.011							
6			0.009									
7											0.005	0.005
8									0.015	0.013		
9								0.015				
10		0.014				0.022	0.012					
11	0.002			0.013	0.006							
12			0.008									
13											0.014	0.007
14									0.008	0.017		
15								0.015				
16		0.009				0.021	0.011					
17	0.011			0.016	0.006							
18			0.016*									
19											0.016	0.005
20									0.011	0.014		
21								0.017				
22		0.008				0.019	0.019					
23	0.009			0.014	0.009							
24			0.010									
25												0.002
26									0.025	0.005		
27								0.016				
28		0.009				0.017	0.011					
29	0.010			0.007	0.018							
30			0.007									
31												0.009
NO.:	5	5	5	5	5	5	5	5	5	5	4	6
MAX:	.011	.014	.016	.016	.018	.022	.019	.017	.025	.02	.016	.009
MEAN:	.0072	.0108	.01	.0124	.01	.0196	.0134	.014	.0156	.0138	.0095	.0055

Note: Missing samples from the primary monitor that have been augmented with samples from collocated monitors are flagged with "*".

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
AIR QUALITY SYSTEM
COMBINED SITE SAMPLE VALUES

Apr. 8, 2016

(14129) Lead (TSP) LC

CAS NUMBER: 7439-92-1
LATITUDE: 41.446342
LONGITUDE: -81.6507

SITE ID: 39-035-0049
COUNTY: (035) Cuyahoga
CITY: (16000) Cleveland
SITE ADDRESS: E. 56TH ST.
SITE COMMENTS: FERRO CORP.

STATE: (39) Ohio
AQCR: (174) GREATER METROPOLITAN CLEVELAND
URBANIZED AREA: (1680) CLEVELAND, OH
LAND USE: RESIDENTIAL
LOCATION SETTING: SUBURBAN

SUPPORT AGENCY: (0229) Cleveland Air Pollution Control Agency
MONITOR TYPE: SLAMS
PQAO: (1454) North East Ohio PQAO

REPORT FOR: 2015

UNITS: 105

Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			0.006									
2											0.014	0.007
3									0.010	0.004		
4								0.020				
5		0.048				0.031	0.016					
6	0.007			0.013	0.022							
7			0.005									
8											0.005	0.008
9									0.007	0.011		
10								0.024				
11		0.016				0.010	0.022					
12	0.006			0.010	0.013							
13			0.012									
14											0.049	0.022
15									0.012	0.014		
16								0.009				
17		0.006				0.012	0.017					
18	0.003			0.014	0.011							
19			0.017									
20											0.016	0.005
21									0.008	0.022		
22								0.019				
23		0.009				0.007	0.036					
24	0.007			0.016	0.012							
25			0.010									
26											0.004	0.005
27									0.006	0.016		
28								0.013				
29						0.013	0.027					
30	0.005			0.009	0.009							
31												
NO.:	5	4	5	5	5	5	5	5	5	5	5	5
MAX:	.007	.048	.017	.016	.022	.031	.036	.024	.012	.022	.049	.022
MEAN:	.0056	.0198	.01	.0124	.0134	.0146	.0236	.017	.0086	.0134	.0176	.0094

Note: Missing samples from the primary monitor that have been augmented with samples from collocated monitors are flagged with "*".