

User ID: HPI

RAW DATA REPORT

Report Request ID: 1097801

Report Code: AMP350

May. 14, 2013

GEOGRAPHIC SELECTIONS

Tribal Code	State	County	Site	Parameter	POC	City	AQCR	UAR	CBSA	CSA	EPA Region	Method	Duration	Begin Date	End Date
	49			88101										2012 01 01	2012 12 31

PROTOCOL SELECTIONS

Parameter Classification	Parameter	Method	Duration
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CRITERIA

SELECTED OPTIONS

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

SORT ORDER

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

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 Daily 2005
- PM10 24-hour 2006
- PM25 24-hour 2006
- SO2 1-hour 2010

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-003-0003 POC: 1
 COUNTY: (003) Box Elder
 CITY: (08460) Brigham City
 SITE ADDRESS: 140 W.FISHBURN DRIVE, BRIGHAM CITY, UT
 SITE COMMENTS: SITE FOR OZONE, PM2.5, AND MET
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: RESIDENTIAL
 LOCATION SETTING: SUBURBAN

CAS NUMBER:
 LATITUDE: 41.4927067004
 LONGITUDE: -112.01886314
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1334
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality

MONITOR TYPE: SPECIAL PURPOSE

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	5.4		1.6									
2						5.6	6.8				2.4	1.6
3		AM		5.0	6.5			5.6	10.3			
4	16.5		3.1					5.9				
5						6.2	8.9				5.6	11.1
6		10.8		1.4	4.6				8.7	9.9		
7	4.3		2.2					10.9				
8						3.2	9.1				6.4	2.0
9		19.3		7.5	5.7				7.6	7.1		
10	25.9		13.3					10.3				
11						2.4	7.4				5.2	6.8
12		4.8		1.4	4.2				8.5	4.4		
13	11.1		4.9					9.6				
14						2.9	5.9				18.3	5.2
15		3.2		2.6	7.8				6.8	4.6		
16	1.3		4.7					23.8				
17						4.1	4.7				4.0	1.3
18		6.5		2.3	6.2				33.4	6.7		
19	2.5		1.4					28.2				
20						1.8	4.2				4.3	6.9
21		1.2		3.7	6.6				27.0	4.9		
22	1.2		2.5					7.2				
23						7.1	4.2				3.6	5.5
24		2.1		5.6	3.2				5.8	4.0		
25	11.6		2.6					10.5				
26						5.2	5.1				5.8	7.6
27		3.7		1.5	2.1				7.2	2.7		
28	8.5							5.0				
29						6.9	9.7				8.0	13.8
30				4.1	5.4				9.5	3.5		
31	11.1		10.4					6.8				
NO.:	11	8	10	10	10	10	10	10	10	10	10	10
MAX:	25.9	19.3	13.3	7.5	7.8	7.1	9.7	28.2	33.4	10.3	18.3	13.8
MEAN:	9.04	6.45	4.67	3.51	5.23	4.54	6.60	11.82	12.01	5.81	6.36	6.18
ANNUAL OBSERVATIONS:		119		ANNUAL MEAN:	6.88	ANNUAL MAX:	33.4					

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-005-0004 POC: 1
 COUNTY: (005) Cache
 CITY: (45860) Logan
 SITE ADDRESS: 125 W. CENTER STREET, LOGAN, UT
 SITE COMMENTS: SITE REPLACES 490050002 WHICH WAS CLOSED DUE TO DEMOLITION.
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (4405) LOGAN, UT
 LAND USE: COMMERCIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
 LATITUDE: 41.731111
 LONGITUDE: -111.8375
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1380
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality
 MONITOR TYPE: SLAMS
 COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
 PQAQ: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	6.9	8.9	2.6	3.3	5.4	3.5	12.4	5.9	4.3	7.0	4.4	2.4
2	11.8	5.8	3.1	2.0	6.1	4.6	10.0	5.6	4.9	6.3	5.2	1.0
3	14.2	4.3	7.2	4.7	6.1	6.3	7.5	6.9	5.0	11.5	4.0	2.2
4	15.7	3.2	9.7	5.0	5.2	.0	12.6	5.7	5.7	11.1	4.5	7.5
5	15.0	6.7	5.2	2.8	5.7	5.8	10.6	7.4	8.9	8.8	6.3	8.4
6	11.3	9.0	2.5	1.8	4.9	1.8	.0	7.7	9.5	14.4	AN	6.8
7	7.8	6.2	2.3	3.7	4.1	3.3	12.7	13.0	14.6	6.8	AM	3.5
8	7.7	11.3	5.7	8.1	5.5	4.0	7.0	18.3	15.2	6.1	AM	1.6
9	11.8	19.7	9.6	8.1	6.2	2.7	7.4	15.4	8.5	7.8	AM	2.8
10	18.8	15.8	12.5	6.8	6.4	1.8	7.7	10.1	5.2	11.5	AM	5.9
11	6.0	12.8	8.0	7.2	4.7	2.9	6.9	9.0	6.3	8.7	AM	10.4
12	10.0	9.8	5.8	1.5	5.2	3.7	6.9	20.4	8.0	6.0	AM	3.7
13	11.2	5.0	4.6	3.0	5.5	4.2	14.1 X	15.6	17.9	4.5		3.5
14	11.7	3.4	3.5	4.0	7.2	4.2	7.9	15.8	14.2	5.3		5.7
15	5.0	4.2	3.6	2.8	7.7	5.0	4.9	18.8	8.7	7.1	16.5	5.5
16	2.2	5.2	3.5	AM	7.9	4.7	3.6	25.3	7.2	4.2	15.2	1.7
17	6.1	9.0	4.3	2.5	13.0	5.3	4.0	23.0	28.8	4.1	10.4	2.0
18	1.6	4.2	1.6	2.4	8.7	6.7	AM	25.6	P 36.3 rt	6.4	2.0	3.1
19	1.9	2.1	1.4	2.7	7.7	2.6	7.5	31.6	19.4	7.4	2.9	5.7
20	7.7	4.2	1.9	3.1	6.8	3.0	4.2	27.1	18.3	4.7	8.8	11.8
21	1.7	1.6	2.6	5.5	6.9	5.5	5.2	22.2	P 38.3	4.3	2.9	21.2
22	2.3	1.7	1.9	3.7	7.0	9.0	5.4	11.1	28.1	3.9	2.4	26.9
23	5.7	1.5	3.9	4.1	4.1	7.9	AM	7.3	11.4	2.5	6.1	11.9
24	8.2	4.8	5.6	5.8	3.7	7.3	7.0	11.1	6.5	3.5	9.6	4.1
25	12.1	1.7	5.0	6.8	6.7	8.0	6.5	9.5	4.9	4.9	6.7	9.8
26	9.2	.7	2.3	6.1	5.5	5.5	5.2	7.1	5.5	5.0	7.0	20.0
27	3.0	3.9	4.2	2.5	2.2	6.0	4.9	5.2	8.1	8.3	13.6	18.1
28	7.3	5.0	5.7	2.9	4.0	6.5	6.0	5.7	10.5	3.3	15.5	11.5
29	11.1	3.2	3.3	3.5	4.6	7.6	10.0	4.7	12.2	3.0	8.1	17.6
30	11.3		4.5	4.7	5.8	8.9	12.6	7.8	10.9	5.9	2.6	28.2
31	7.3		9.1		3.7		6.7	5.3		7.7		
NO.:	31	29	31	29	31	30	29	31	30	31	21	30
MAX:	18.8	19.7	12.5	8.1	13.0	9.0	14.1	31.6	38.3	14.4	16.5	28.2
MEAN:	8.50	6.03	4.73	4.18	5.94	4.94	7.50	13.07	12.78	6.52	7.37	8.82
ANNUAL OBSERVATIONS:	353		ANNUAL MEAN:	7.55		ANNUAL MAX:	38.3		2 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5			
	2 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5											

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-005-0004 POC: 2
 COUNTY: (005) Cache
 CITY: (45860) Logan
 SITE ADDRESS: 125 W. CENTER STREET, LOGAN, UT
 SITE COMMENTS: SITE REPLACES 490050002 WHICH WAS CLOSED DUE TO DEMOLITION.
 MONITOR COMMENTS: COLLOCATED SAMPLES USED TO SUBSTITUTE FOR MISSING POC 1 VALUES

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (4405) LOGAN, UT
 LAND USE: COMMERCIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
 LATITUDE: 41.731111
 LONGITUDE: -111.8375
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1380
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality

MONITOR TYPE: SPECIAL PURPOSE

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1						7.2						
2						.2	8.6					
3		5.2		5.1								
4												
5											7.2	
6									9.6			
7												
8						4.7						
9					6.7							
10	18.7		12.6									
11												10.4
12										5.5		
13								15.2				
14							14.1					
15		4.4		3.2	8.2							
16												
17											10.9	
18									P 35.9			
19												
20						2.7	6.4					
21												
22	AM		3.4									
23												11.3
24										6.2		
25								9.7				
26												
27		4.6		1.0	3.0							
28												
29											9.6	
30										9.8		
31												
NO.:	1	3	2	3	3	4	3	2	3	2	3	2
MAX:	18.7	5.2	12.6	5.1	8.2	7.2	14.1	15.2	35.9	6.2	10.9	11.3
MEAN:	18.70	4.73	8.00	3.10	5.97	3.70	9.70	12.45	18.43	5.85	9.23	10.85
ANNUAL OBSERVATIONS:		31		ANNUAL MEAN:	8.43	ANNUAL MAX:	35.9	1 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5				
								1 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5				

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-011-0004 POC: 1
 COUNTY: (011) Davis
 CITY: (07690) Bountiful
 SITE ADDRESS: 171 WEST 1370 NORTH, BOUNTIFUL, UTAH
 SITE COMMENTS: NEW SITE TO REPLACE 490110001
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (7159) SALT LAKE CITY, UT
 LAND USE: RESIDENTIAL
 LOCATION SETTING: SUBURBAN

CAS NUMBER:
 LATITUDE: 40.902967
 LONGITUDE: -111.884467
 UTM ZONE: 12
 UTM NORTHING: 4528150.36
 UTM EASTING: 425503.56
 ELEVATION-MSL: 1309
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	14.1		1.4					5.2				
2						6.5	10.7				4.0	2.7
3		2.2		4.6	8.5				7.7	9.3		
4	25.9		3.4					6.6				
5						7.7	12.0				5.5	10.9
6		15.1		2.2	.0				8.5	10.9		
7	11.0		3.2					9.6				
8						5.3	6.7				7.8	2.5
9		13.0		7.1	6.3				9.6	8.2		
10	26.8		16.9					9.3				
11						3.9	6.5				5.6	5.5
12		8.5		2.5	5.9				10.0	5.1		
13	16.4		7.8					7.8				
14						5.4	5.2				20.9	6.3
15		7.0		2.9	.0				9.8	4.6		
16	4.0		3.6					22.5				
17						7.3	4.3				3.2	2.2
18		6.0		2.9	5.9				34.7	6.0		
19	4.8		1.4					24.2				
20						3.5	6.9				5.0	9.0
21		1.8		4.5	.0				25.5	7.4		
22	2.1		2.7					5.9				
23						8.2	6.5				6.7	3.1
24		2.7		5.9	3.1				6.7	3.1		
25	13.7		2.2					13.6				
26						5.3	6.2				.0	9.4
27		6.0		1.9	2.3				10.6	.0		
28	9.6		6.6					5.9				
29						10.0	9.5				.0	18.4
30				5.2	6.1				10.0	5.5		
31	21.2		9.5					6.2				
NO.:	11	9	11	10	10	10	10	11	10	10	10	10
MAX:	26.8	15.1	16.9	7.1	8.5	10.0	12.0	24.2	34.7	10.9	20.9	18.4
MEAN:	13.60	6.92	5.34	3.97	3.81	6.31	7.45	10.62	13.31	6.01	5.87	7.00
ANNUAL OBSERVATIONS:		122		ANNUAL MEAN:	7.58	ANNUAL MAX:	34.7					

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-013-0002 POC: 1
 COUNTY: (013) Duchesne
 CITY: (00000) Not in a city
 SITE ADDRESS: 290 S. 1000 W.
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: RESIDENTIAL
 LOCATION SETTING: SUBURBAN

CAS NUMBER:
 LATITUDE: 40.2941780318
 LONGITUDE: -110.00973229
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1596
 PROBE HEIGHT:

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality
 MONITOR TYPE: NON-REGULATORY
 COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
 PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1			1.1					3.3				
2						6.3	18.1					
3		2.6		2.9	7.0							
4			2.5					8.8				
5						18.3	13.0					
6		5.5		4.9	6.3							
7			6.1									
8						11.7	3.8					
9		8.7		6.6	5.7							
10			5.5					5.8				
11						4.8	6.6					
12		7.6		1.9	5.6							
13			4.6					8.0				
14						7.0						
15		4.3		3.4	7.3							
16	5.8		3.7					25.5				
17						7.0						
18		3.6		2.3	4.5							
19	2.7		1.9					10.9				
20						3.6	5.5					
21		2.4		3.6	5.6							
22	1.8		3.1					7.3				
23						10.0	3.6					
24		2.3		4.1	4.4							
25	5.3		3.1					10.9				
26							4.1					
27		2.9		4.1	4.2							
28	3.8		6.4					5.1				
29						P 36.6 IT	3.0					
30				5.8	5.3							
31	4.1		3.7					5.6				
NO.:	6	9	11	10	10	9	8	10	0	0	0	0
MAX:	5.8	8.7	6.4	6.6	7.3	36.6	18.1	25.5				
MEAN:	3.92	4.43	3.79	3.96	5.59	11.70	7.21	9.12				

1 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5
 1 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-035-1001 POC: 1
 COUNTY: (035) Salt Lake
 CITY: (47290) Magna
 SITE ADDRESS: 2935 SOUTH 8560 WEST MAGNA,UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (7159) SALT LAKE CITY, UT
 LAND USE: RESIDENTIAL
 LOCATION SETTING: SUBURBAN

CAS NUMBER:
 LATITUDE: 40.708611
 LONGITUDE: -112.094722
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1317
 PROBE HEIGHT: 7

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality
 MONITOR TYPE: SPECIAL PURPOSE
 COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
 PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	13.8		1.9					3.5				
2						7.2	9.1				3.4	2.4
3		3.7		2.9	6.3				6.6	10.6		
4	22.0		2.6					4.7				
5						7.7	11.2				3.7	13.4
6		12.5		1.7	5.2				7.0	11.4		
7	5.9		2.1					9.7				
8						4.2	6.6				6.2	2.0
9		13.8		7.3	5.3				7.6	7.3		
10	23.5		13.4					8.9				
11						5.6	7.8				4.2	5.3
12		7.9		1.8	4.4				8.2	6.2		
13	11.9		7.3					9.0				
14						3.5	4.3				20.7	4.7
15		5.3		3.0	7.0				AL	5.4		
16	2.6		4.8					20.5				
17						7.0	5.7				2.2	1.5
18		6.6		2.7	5.8				AM	8.4	3.1	
19	2.4		1.0					22.9			2.4	
20						3.0	6.2					5.6
21		2.1		4.7	6.4				22.6	9.9		
22	1.1		1.8									
23						8.9	5.6				7.3	3.7
24		2.4		4.6	3.1				6.1	2.7		
25	7.6		2.5									
26						8.2	5.5				12.7	4.0
27		4.3		1.7	.0				8.1	7.3		
28	7.3		5.9					4.4				
29						6.6	8.9				5.7	16.7
30				7.5	5.7				10.0	4.0		
31	18.4		9.1					6.6				
NO.:	11	9	11	10	10	10	10	9	8	10	11	10
MAX:	23.5	13.8	13.4	7.5	7.0	8.9	11.2	22.9	22.6	11.4	20.7	16.7
MEAN:	10.59	6.51	4.76	3.79	4.92	6.19	7.09	10.02	9.53	7.32	6.51	5.93
ANNUAL OBSERVATIONS:		119		ANNUAL MEAN:	6.87		ANNUAL MAX:	23.5				

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-035-3006 POC: 1
 COUNTY: (035) Salt Lake
 CITY: (67000) Salt Lake City
 SITE ADDRESS: 1675 SOUTH 600 EAST, SALT LAKE CITY
 SITE COMMENTS:
 MONITOR COMMENTS: PARTISOL WITH WINS IMPACTOR

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (7159) SALT LAKE CITY, UT
 LAND USE: RESIDENTIAL
 LOCATION SETTING: SUBURBAN

CAS NUMBER:
 LATITUDE: 40.736389
 LONGITUDE: -111.872222
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1306
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

MONTH	MONTH											
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	17.1	11.6	2.2	4.2	6.2	7.7	13.9	4.2	3.8	8.6	4.5	.4
2	19.5	7.5	4.4	2.1	7.0	5.2	12.7	7.4	5.7	6.6	5.3	AN
3	27.7 IJ	3.4	4.2	3.2	8.0	6.7	10.0	8.0	5.8	10.0	6.4	3.6
4	26.4	3.1	3.4	4.5	7.1	12.6	11.0	6.4	5.5	15.9	4.4	6.0
5	26.7	9.8	3.6	3.8	5.3	12.1 X	13.5	6.4	7.0	9.0	7.3	19.1
6	29.4	14.2	3.5	2.1	6.0		19.8	6.4	6.3	11.3	5.7	22.8
7	11.0	6.5	4.3	4.6	5.2	5.6	9.7	9.7	10.4	9.2	5.1	7.5
8	12.3	15.4	7.6	9.2	5.9	7.7	7.1	15.0	9.6	9.2	7.7	3.1
9	23.0	15.9	15.0	7.0	7.0	4.8	7.9	14.0	7.7	9.5	4.4	6.8
10	25.0	11.8	17.2	5.8	8.3	3.2	9.3	9.1	6.4	7.9	7.4	9.7
11	17.6	6.9	9.2	4.6	5.7	4.7	6.1	5.3	5.7	6.4	6.2	8.4
12	18.4 Y	9.7	5.8	2.2	5.6	5.2	5.5	20.1	7.0	4.7	12.0	3.5
13	AM	8.2	8.0	3.5	5.7	5.9	AM	8.0	14.7	3.7	26.0 X	3.9
14	AM	5.3	3.1	6.2	7.5	6.5	4.8	13.8	14.4	4.4	23.6	7.7
15	AM	6.9	3.6	2.6	9.0	6.7	7.0	19.2	10.4	5.0	27.8	5.9
16		8.6	3.7	2.7	8.9	4.6	3.4	24.8	7.9	4.7	21.0	5.7
17	AM	10.1	4.7	3.4	8.5	8.7	3.3	20.1	26.6	4.5	4.5	2.5
18	4.6	8.2	1.8	3.1	5.5	9.3	5.5	20.0	31.2	9.9	2.5	3.2
19	5.2	2.2	2.0	3.0	7.0	5.9	5.4	22.2	19.9	7.0	2.6	
20	8.8	4.3	3.1	2.9	7.0	4.0	4.7	18.5	17.0	6.0	4.0	10.0
21	1.6	3.6	2.7	4.4	7.5	9.2	4.1	15.7	21.0	7.9	3.2	12.0
22	2.1	3.8	2.8	4.2	9.4	13.2	8.4	5.8	25.0	5.4	3.1	6.2
23	6.7	1.9	3.8	4.7	5.1	10.6	2.2	6.1	11.0	6.1	7.3	4.2
24	6.5	4.5	3.8	5.2	5.4	12.5	13.2	19.1	10.4	3.7	19.1	4.0
25	11.3	2.9	2.7	7.0	10.2	11.4	6.0	13.0	6.9	4.9	25.6	8.8
26	9.6	2.4	2.7	3.1	8.3	6.6	5.4	6.8	6.8	2.8	17.3	7.5
27	4.0	6.5	3.9	1.7	2.7	8.6	5.1	5.1	9.4	5.4	16.5	6.2
28	10.1	6.6	6.7	2.7	3.7	12.0	4.6 X	5.1	11.7	4.9	6.9	11.0
29	13.7	2.4	3.7	3.3	5.6	7.0	4.3	6.1	11.7	4.8	3.8	21.1
30	22.5		4.3	8.3	6.3	8.9	6.3 X	5.7	11.6	5.7	3.2	24.9 X
31	17.4		9.2		3.5		5.6	7.0		5.4		
NO.:	26	29	31	30	31	29	30	31	30	31	30	28
MAX:	29.4	15.9	17.2	9.2	10.2	13.2	19.8	24.8	31.2	15.9	27.8	24.9
MEAN:	14.55	7.04	5.05	4.18	6.58	7.83	7.53	11.42	11.62	6.79	9.81	8.42
ANNUAL OBSERVATIONS:	356		ANNUAL MEAN:	8.33	ANNUAL MAX:	31.2						

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-035-3010 POC: 1
 COUNTY: (035) Salt Lake
 CITY: (67000) Salt Lake City
 SITE ADDRESS: 1250 NORTH 1400 WEST
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (7159) SALT LAKE CITY, UT
 LAND USE: RESIDENTIAL
 LOCATION SETTING: SUBURBAN

CAS NUMBER:
 LATITUDE: 40.78422
 LONGITUDE: -111.931
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1286
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	21.7	12.7	2.4	4.1	6.3	6.4	16.4	10.7	4.2	8.7	4.0	2.5
2	22.5	6.4	5.0	2.0	7.3	7.6	10.9	10.8	6.2	7.4	4.4	2.9
3	28.5	9.0	4.5	4.8		9.1	11.2	13.7	6.3	9.8	8.1	5.7
4	35.1	9.8	3.5	AM		AM	23.9	9.7	5.7	15.7	6.8	7.3
5	P 35.5	14.5	3.6	2.9		8.4 X	12.5	13.8	7.4	11.2	9.7	17.2
6	33.5	18.6	3.0	AM		2.6	11.2	13.7	6.8	15.3	9.4	19.5
7	9.0	17.5	2.7	5.4		4.4	8.5	11.0	9.4	11.6	5.2	6.5
8	13.0	16.5	7.0	AM		5.2	8.0	16.2	11.9	7.7	8.7	1.9
9	24.1	17.5	17.1	7.5		3.1	8.5	16.1	9.3	9.6	3.3	4.7
10		13.8	21.2	5.8	26.8	3.9	8.8	10.2	6.2	9.7	6.1	8.3
11	13.9	7.9	9.2	5.4	.5	4.5	7.2	7.2	5.8	8.2	6.5	6.2
12	14.9	8.7	6.3	2.0		6.1	7.8 Y	21.6	6.8	5.9	13.0	3.0
13	19.3	7.5	7.7	3.7		6.9	AM	8.0	15.6	3.3	25.1	3.5
14	24.5	5.5	3.6	6.1	9.6	4.7	5.5	14.2	13.6	6.6	27.4	6.2
15	7.4	7.7	4.5	2.8	7.9	7.7	5.5	19.3	10.4	7.1	33.6	4.0
16	4.2	7.1	4.0	2.9	9.8	5.7	5.2	22.5	7.6	7.2	25.1	4.7
17	6.1	12.0	4.9	3.1	9.0	6.9		20.4	28.7	6.8	3.2	2.2
18	4.2	8.2	1.9	3.3	15.7	8.8	9.6	22.3	33.0	8.2	2.0	2.2
19	3.9	1.1	1.2	3.2	9.0	4.0	9.6	25.5	18.7	8.3	3.2	4.9
20	9.2	4.0	3.9	3.8	.0	4.2	8.7	20.7	18.0	4.9	3.5	10.5
21	1.7	3.6	3.0	5.8	8.5	9.8	7.5	16.0	22.2	7.4	3.8	10.5
22	2.2	2.5	3.0	5.5	4.2	14.6	14.4	4.8	18.9	5.8	2.1	8.5
23	3.1	3.2	3.7	5.7	3.9	12.5	9.0	7.1	9.2	5.0	AM	4.9
24	5.2	4.7	3.2	5.9		11.7	17.0	11.8	4.5	2.6	AM	2.2
25	11.2	3.0	3.0	AM	13.8	13.4	10.1	14.0	3.8	4.5	AM	8.0
26	10.4	1.9	3.2	.5	7.2	9.2 X	10.3	8.1	6.3	6.2	AM	6.0
27	3.3	6.0	4.9	1.5	2.2	8.0	9.9	5.7	7.9	5.5	AM	5.3
28	11.0	7.4	6.8	3.6	AM	12.3	7.5	5.2	10.7	4.3	16.2	9.7
29	12.5	2.7	5.6	3.2	8.8	10.6	7.9	5.6	14.7	5.5	5.7	20.5
30	26.4		5.2	6.0	7.5	11.3	10.5	6.5	13.7	7.5	3.4	22.6
31	28.7		9.5		7.0		8.0	6.2		5.2		
NO.:	30	29	31	26	20	29	29	31	30	31	25	30
MAX:	35.5	18.6	21.2	7.5	26.8	14.6	23.9	25.5	33.0	15.7	33.6	22.6
MEAN:	14.87	8.31	5.43	4.10	8.25	7.71	10.04	12.86	11.45	7.51	9.58	7.40
ANNUAL OBSERVATIONS:	341		ANNUAL MEAN:	9.03	ANNUAL MAX:	35.5	1 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5					
							1 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5					

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-035-3010 POC: 2
 COUNTY: (035) Salt Lake
 CITY: (67000) Salt Lake City
 SITE ADDRESS: 1250 NORTH 1400 WEST
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (7159) SALT LAKE CITY, UT
 LAND USE: RESIDENTIAL
 LOCATION SETTING: SUBURBAN

CAS NUMBER:
 LATITUDE: 40.78422
 LONGITUDE: -111.931
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1286
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality
 MONITOR TYPE: SLAMS
 COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
 PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1								.2				
2						5.8						
3		9.0 X		AM								
4												
5											9.7	
6									7.1			
7												
8							11.2					
9					6.7							
10	30.1 X		20.7									
11												6.7
12										5.1		
13								8.0				
14						5.0						
15		7.9		3.0								
16												
17											4.7	
18									32.8			
19												
20							7.3					
21					7.9							
22	2.1 X		3.4									
23												5.5
24										3.7		
25								15.0				
26						12.3						
27		4.1		2.8								
28												
29												
30									10.7			
31												
NO.:	2	3	2	2	2	3	2	3	3	2	2	2
MAX:	30.1	9.0	20.7	3.0	7.9	12.3	11.2	15.0	32.8	5.1	9.7	6.7
MEAN:	16.10	7.00	12.05	2.90	7.30	7.70	9.25	7.73	16.87	4.40	7.20	6.10
ANNUAL OBSERVATIONS:	28		ANNUAL MEAN:		8.88	ANNUAL MAX:		32.8				

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-045-0003 POC: 1
 COUNTY: (045) Tooele
 CITY: (76680) Tooele
 SITE ADDRESS: 434 NORTH 50 WEST, TOOELE, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: COMMERCIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
 LATITUDE: 40.5433086863
 LONGITUDE: -112.29961803
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1511
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality
 MONITOR TYPE: SPECIAL PURPOSE
 COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
 PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	7.6							3.7				
2						3.9	6.3				AN	2.1
3		5.0		2.7	6.0				4.6	6.7		
4	11.2		1.9					4.5				
5						4.0	9.6				3.1	10.8
6		10.9		1.5	5.8				5.0	8.8		
7	8.1		2.5					9.3				
8						4.3	6.4				5.0	1.0
9		AM		5.9	4.5				6.8	6.5		
10	14.5		10.0					8.3				
11						2.8					3.8	1.4
12		7.4		1.5	4.0				5.1	3.2		
13	8.4		4.7					8.3				
14						2.7					10.7	4.7
15		AN		2.8	6.5				7.8	4.7		
16	4.1		3.1					17.1				
17						5.9	5.2				2.2	1.7
18		AM		2.5	5.2				29.0	4.4		
19			1.7					22.9				
20	AM					2.0	4.3				3.2	4.4
21		AM		3.1	4.7				17.9	5.1		
22	.2		AN					4.7				
23						6.5	4.4				7.7	2.5
24		2.9		4.1	3.0				4.9	1.7		
25	4.1		2.5					10.7				
26						5.9	5.2				9.8	5.3
27		5.9		1.8	2.1				7.1	3.1		
28	4.6		5.6					3.5				
29						3.5	11.1				5.5	12.8
30				4.7	4.9				8.1	3.8		
31	7.6		9.2					6.9				
NO.:	10	5	9	10	10	10	8	11	10	10	9	10
MAX:	14.5	10.9	10.0	5.9	6.5	6.5	11.1	22.9	29.0	8.8	10.7	12.8
MEAN:	7.04	6.42	4.58	3.06	4.67	4.15	6.56	9.08	9.63	4.80	5.67	4.67
ANNUAL OBSERVATIONS:		112		ANNUAL MEAN:	5.87	ANNUAL MAX:	29.0					

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-1003 POC: 1
 COUNTY: (047) Uintah
 CITY: (80090) Vernal
 SITE ADDRESS: 220 South 1000 East
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: COMMERCIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
 LATITUDE: 40.4522671932
 LONGITUDE: -109.51039282
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1
 PROBE HEIGHT:

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality
 MONITOR TYPE: NON-REGULATORY
 COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
 PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	9.2		1.2					.3				
2						3.6	19.9					
3		2.6		2.4	4.9							
4	18.0		4.2					9.2				
5						10.3	8.1					
6		13.1		8.0	5.3							
7	15.1		4.0									
8						4.2	3.4					
9		9.9		6.8	4.9							
10	16.2		6.9									
11						2.7	5.8					
12		10.4		1.9	3.9							
13	11.2		5.7					9.2				
14						5.3	3.9					
15		5.3		2.6	6.7							
16	9.0		4.3					23.7				
17						8.0	3.4					
18		6.3		3.3	6.3							
19	6.2		1.8					8.9				
20						9.5						
21		4.7		3.7	5.3							
22	3.7		5.0					8.7				
23						5.9	5.5					
24		4.8			3.3							
25	10.3		2.5					11.4				
26						11.9	3.2					
27		5.8			1.7							
28	6.3		5.5					7.3				
29						28.3	3.3					
30					4.5							
31	8.8		3.5					4.7				
NO.:	11	9	11	7	10	10	9	9	0	0	0	0
MAX:	18.0	13.1	6.9	8.0	6.7	28.3	19.9	23.7				
MEAN:	10.36	6.99	4.05	4.10	4.68	8.97	6.28	9.27				
ANNUAL OBSERVATIONS:		76		ANNUAL MEAN:	6.93	ANNUAL MAX:	28.3					

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 AIR QUALITY SYSTEM
 RAW DATA REPORT

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 1
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit
 MONITOR TYPE: INDUSTRIAL
 COLLECTION AND ANALYSIS METHOD: (116) BGI Model PQ200 PM2.5 Sampler w/WI
 PQAO: (1387) Enefit

REPORT FOR: 2012

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1								3.9				
2							P 38.3					
3		2.0		2.5	6.6							
4			2.2									
5						7.6					2.2	2.5
6					6.7				3.7	4.8		
7								7.6				
8						3.3	6.9				3.9	
9		2.5		6.0	4.4							
10	2.3		4.9									
11											2.4	1.8
12									3.4	2.0		
13								6.9				
14							5.2					
15		1.8		AM	5.3							
16	2.2		2.8		5.3							
17											3.4	3.8
18					7.2				16.8	2.8		
19					7.2			14.7				
20						3.9	3.8					
21		1.2		AM	4.2	3.9						
22	.4		2.1		4.2							
23						5.1					2.1	2.5
24					4.5	5.1			3.4	2.0		
25					4.5			11.1				
26						6.9	5.7					
27		2.1		AF		6.9						
28	2.3		6.5									
29											3.8	1.8
30			4.4		4.3				5.6	2.2		
31					4.3			5.2				
NO.:	4	5	6	2	13	8	5	6	5	5	6	5
MAX:	2.3	2.5	6.5	6.0	7.2	7.6	38.3	14.7	16.8	4.8	3.9	3.8
MEAN:	1.80	1.92	3.82	4.25	5.28	5.34	11.98	8.23	6.58	2.76	2.97	2.48
ANNUAL OBSERVATIONS:		70		ANNUAL MEAN:	4.94	ANNUAL MAX:	38.3					

1 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5

1 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 3
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit
 MONITOR TYPE: INDUSTRIAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (1387) Enefit

REPORT FOR: JANUARY 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1		2.0	.0	.0	3.0	2.0	3.0	4.0	3.0	2.0	.0	.0	3.0	4.0	2.0	2.0	1.0	3.0	3.0	.0	2.0	1.0	-2.0	1.0	23	4.0		
2	2.0	3.0	2.0	2.0	4.0	4.0	3.0	3.0	2.0	2.0	1.0	.0	1.0	-1.0	-4.0	-1.0	.0	-1.0	.0	2.0	2.0	4.0	5.0	6.0	24	6.0		
3	6.0	4.0	4.0	2.0	.0	1.0	3.0	1.0	1.0	1.0	1.0	2.0	5.0	3.0	.0	.0	1.0	3.0	2.0	2.0	3.0	2.0	3.0	5.0	24	6.0		
4	3.0	2.0	3.0	2.0	.0	.0	4.0	2.0	1.0	5.0	2.0	1.0	2.0	1.0	-2.0	-2.0	.0	1.0	2.0	2.0	5.0	2.0	-1.0	.0	24	5.0		
5	2.0	2.0	2.0	2.0	3.0	2.0	1.0	4.0	5.0	4.0	3.0	3.0	2.0	1.0	3.0	4.0	4.0	5.0	6.0	4.0	3.0	5.0	5.0	4.0	24	6.0		
6	2.0	.0	.0	.0	1.0	2.0	1.0	.0	.0	2.0	2.0	1.0	1.0	1.0	1.0	4.0	2.0	-1.0	.0	3.0	3.0	1.0	1.0	3.0	24	4.0		
7	2.0	1.0	-1.0	2.0	3.0	2.0	2.0	.0	1.0	2.0	1.0	1.0	2.0	1.0	2.0	4.0	1.0	1.0	3.0	2.0	1.0	1.0	3.0	1.0	24	4.0		
8	.0	1.0	1.0	1.0	2.0	3.0	3.0	6.0	7.0	6.0	6.0	4.0	6.0	6.0	3.0	1.0	2.0	5.0	4.0	1.0	2.0	3.0	3.0	2.0	24	7.0		
9	1.0	1.0	4.0	4.0	2.0	4.0	2.0	.0	.0	4.0	6.0	2.0	2.0	3.0	2.0	1.0	3.0	2.0	2.0	4.0	4.0	2.0	3.0	3.0	24	6.0		
10	3.0	4.0	2.0	2.0	3.0	2.0	4.0	4.0	1.0	2.0	4.0	3.0	AU	AU	AU	AU	AU	AU	AU	AU	AU	AU	AU	1.0	1.0	4.0	15	4.0
11	4.0	4.0	3.0	2.0	2.0	2.0	2.0	4.0	5.0	4.0	1.0	-1.0	.0	2.0	5.0	5.0	2.0	1.0	2.0	2.0	1.0	2.0	2.0	3.0	24	5.0		
12	3.0	2.0	2.0	3.0	3.0	1.0	1.0	2.0	5.0	6.0	4.0	.0	-1.0	1.0	1.0	.0	2.0	.0	2.0	4.0	2.0	5.0	5.0	3.0	24	6.0		
13	3.0	1.0	1.0	3.0	18.0	3.0	5.0	7.0	5.0	.0	-1.0	2.0	4.0	3.0	1.0	.0	-1.0	2.0	.0	.0	2.0	1.0	5.0	4.0	24	18.0		
14	1.0	.0	3.0	5.0	1.0	2.0	3.0	2.0	1.0	.0	1.0	2.0	3.0	.0	.0	-1.0	-2.0	1.0	2.0	.0	-2.0	2.0	2.0	.0	24	5.0		
15	.0	2.0	2.0	-1.0	.0	1.0	.0	3.0	4.0	1.0	-1.0	-2.0	.0	1.0	.0	1.0	.0	2.0	3.0	3.0	.0	-2.0	1.0	1.0	24	4.0		
16	.0	.0	3.0	4.0	2.0	-1.0	1.0	5.0	5.0	1.0	-1.0	.0	1.0	3.0	2.0	5.0	8.0	4.0	4.0	5.0	3.0	1.0	2.0	3.0	24	8.0		
17	4.0	5.0	5.0	2.0	1.0	2.0	1.0	1.0	3.0	3.0	5.0	3.0	1.0	5.0	6.0	5.0	1.0	1.0	3.0	2.0	2.0	3.0	2.0	3.0	24	6.0		
18	4.0	3.0	4.0	5.0	3.0	2.0	2.0	2.0	4.0	3.0	2.0	.0	-2.0	1.0	3.0	2.0	2.0	2.0	3.0	1.0	1.0	2.0	3.0	2.0	24	5.0		
19	.0	-1.0	-1.0	.0	2.0	4.0	4.0	.0	1.0	2.0	1.0	.0	-2.0	.0	1.0	.0	.0	1.0	2.0	1.0	1.0	5.0	5.0	2.0	24	5.0		
20	1.0	2.0	2.0	1.0	1.0	1.0	2.0	3.0	3.0	2.0	1.0	2.0	5.0	6.0	7.0	8.0	6.0	5.0	8.0	7.0	5.0	5.0	3.0	3.0	24	8.0		
21	3.0	.0	3.0	4.0	.0	-1.0	.0	2.0	1.0	.0	1.0	.0	.0	.0	2.0	3.0	.0	3.0	6.0	4.0	1.0	-2.0	1.0	3.0	24	6.0		
22	2.0	1.0	2.0	3.0	4.0	5.0	3.0	2.0	4.0	3.0	2.0	3.0	3.0	.0	-1.0	.0	1.0	.0	1.0	1.0	2.0	4.0	6.0	4.0	24	6.0		
23	.0	1.0	3.0	2.0	1.0	.0	2.0	2.0	2.0	3.0	2.0	2.0	1.0	2.0	3.0	1.0	2.0	2.0	2.0	2.0	2.0	1.0	-1.0	1.0	24	3.0		
24	2.0	2.0	1.0	2.0	3.0	2.0	4.0	6.0	2.0	1.0	3.0	3.0	4.0	6.0	3.0	4.0	6.0	BF	BF	BF	1.0	3.0	2.0	1.0	21	6.0		
25	5.0	4.0	5.0	6.0	4.0	5.0	6.0	7.0	5.0	5.0	4.0	2.0	1.0	AL	AL	AL	AL	AU	5.0	5.0	5.0	4.0	4.0	2.0	19	7.0		
26	1.0	2.0	2.0	2.0	1.0	.0	2.0	3.0	4.0	4.0	4.0	4.0	3.0	1.0	-2.0	.0	2.0	4.0	3.0	1.0	.0	1.0	5.0	4.0	24	5.0		
27	.0	.0	1.0	1.0	2.0	4.0	4.0	5.0	3.0	1.0	2.0	1.0	1.0	2.0	3.0	.0	1.0	4.0	1.0	1.0	4.0	2.0	1.0	3.0	24	5.0		
28	3.0	2.0	4.0	3.0	1.0	2.0	3.0	1.0	-1.0	2.0	2.0	1.0	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	12	4.0	
29	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	0		
30	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	.0	1.0	4.0	5.0	3.0	3.0	2.0	7	5.0	
31	2.0	5.0	6.0	2.0	.0	4.0	4.0	2.0	4.0	1.0	3.0	5.0	2.0	1.0	.0	-1.0	.0	2.0	2.0	2.0	2.0	4.0	3.0	3.0	24	6.0		
NO.:	28	29	29	29	29	29	29	29	29	29	29	29	27	26	26	26	26	26	27	27	28	29	29	29				
MAX:	6.0	5.0	6.0	6.0	18.0	5.0	6.0	7.0	6.0	6.0	6.0	5.0	6.0	6.0	7.0	8.0	8.0	8.0	8.0	7.0	5.0	5.0	6.0	6.0				
AVG:	2.11	1.90	2.34	2.31	2.45	2.07	2.69	2.90	2.76	2.48	2.10	1.52	1.78	2.04	1.58	1.73	1.69	2.00	2.67	2.41	2.21	2.28	2.59	2.62				

MONTHLY OBSERVATIONS: 673 MONTHLY MEAN: 2.23 MONTHLY MAX: 18.0

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 AIR QUALITY SYSTEM
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May. 14, 2013

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 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit

MONITOR TYPE: INDUSTRIAL

COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS

PQAO: (1387) Enefit

REPORT FOR: FEBRUARY 2012

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM		
1	4.0	4.0	1.0	2.0	3.0	2.0	1.0	.0	2.0	2.0	2.0	2.0	1.0	2.0	1.0	-1.0	-2.0	.0	1.0	3.0	2.0	-1.0	1.0	2.0	24	4.0		
2	2.0	.0	1.0	2.0	1.0	2.0	2.0	2.0	4.0	3.0	3.0	2.0	3.0	4.0	5.0	7.0	5.0	4.0	4.0	4.0	3.0	3.0	3.0	2.0	24	7.0		
3	1.0	4.0	4.0	3.0	3.0	1.0	2.0	3.0	2.0	2.0	2.0	1.0	2.0	4.0	1.0	2.0	2.0	2.0	1.0	1.0	2.0	3.0	5.0	3.0	24	5.0		
4	1.0	1.0	3.0	3.0	3.0	3.0	2.0	3.0	2.0	4.0	5.0	4.0	4.0	4.0	4.0	6.0	7.0	4.0	.0	1.0	4.0	4.0	7.0	7.0	24	7.0		
5	6.0	6.0	6.0	7.0	6.0	3.0	4.0	5.0	5.0	7.0	4.0	2.0	3.0	2.0	.0	1.0	2.0	3.0	5.0	5.0	6.0	5.0	3.0	6.0	24	7.0		
6	8.0	5.0	3.0	3.0	3.0	4.0	4.0	5.0	6.0	5.0	2.0	1.0	3.0	6.0	3.0	3.0	5.0	6.0	6.0	4.0	3.0	6.0	6.0	5.0	24	8.0		
7	5.0	4.0	5.0	5.0	6.0	6.0	5.0	3.0	4.0	6.0	5.0	4.0	3.0	1.0	1.0	3.0	4.0	2.0	4.0	7.0	7.0	6.0	7.0	6.0	24	7.0		
8	6.0	6.0	4.0	5.0	6.0	4.0	2.0	5.0	6.0	4.0	3.0	2.0	2.0	3.0	5.0	5.0	4.0	3.0	2.0	4.0	7.0	7.0	4.0	3.0	24	7.0		
9	4.0	4.0	4.0	3.0	4.0	5.0	4.0	8.0	13.0	9.0	5.0	5.0	5.0	4.0	2.0	2.0	5.0	6.0	3.0	2.0	2.0	.0	3.0	3.0	24	13.0		
10	3.0	4.0	2.0	2.0	2.0	2.0	-1.0	.0	2.0	.0	1.0	1.0	-1.0	-1.0	-1.0	-1.0	.0	.0	1.0	2.0	2.0	.0	-1.0	2.0	24	4.0		
11	2.0	2.0	2.0	.0	.0	.0	2.0	3.0	3.0	4.0	3.0	.0	-1.0	.0	1.0	1.0	1.0	2.0	2.0	3.0	4.0	3.0	.0	-1.0	24	4.0		
12	2.0	2.0	.0	2.0	4.0	3.0	4.0	4.0	4.0	4.0	3.0	2.0	4.0	4.0	3.0	4.0	4.0	.0	1.0	3.0	2.0	1.0	1.0	.0	24	4.0		
13	2.0	4.0	5.0	4.0	4.0	2.0	2.0	4.0	5.0	5.0	3.0	1.0	.0	1.0	2.0	.0	AL	AL	-1.0	1.0	1.0	-1.0	.0	.0	22	5.0		
14	1.0	3.0	2.0	-1.0	-2.0	.0	.0	1.0	3.0	1.0	-2.0	-2.0	-1.0	-2.0	-2.0	1.0	.0	1.0	1.0	.0	3.0	3.0	1.0	.0	24	3.0		
15	.0	1.0	1.0	1.0	1.0	2.0	3.0	6.0	8.0	6.0	4.0	3.0	3.0	4.0	5.0	6.0	5.0	4.0	3.0	3.0	1.0	1.0	2.0	2.0	24	8.0		
16	2.0	1.0	-1.0	-2.0	.0	2.0	4.0	4.0	2.0	2.0	2.0	4.0	4.0	1.0	1.0	4.0	4.0	4.0	21.0	AL	AL	4.0	2.0	3.0	22	21.0		
17	4.0	3.0	4.0	1.0	.0	3.0	4.0	3.0	4.0	6.0	3.0	3.0	4.0	3.0	3.0	3.0	2.0	3.0	3.0	1.0	2.0	3.0	3.0	1.0	24	6.0		
18	2.0	4.0	2.0	.0	1.0	3.0	4.0	4.0	2.0	1.0	4.0	5.0	2.0	3.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	24	5.0		
19	2.0	4.0	3.0	.0	1.0	2.0	4.0	2.0	-1.0	2.0	3.0	1.0	2.0	4.0	3.0	2.0	2.0	2.0	1.0	2.0	3.0	3.0	.0	1.0	24	4.0		
20	4.0	3.0	1.0	1.0	2.0	3.0	2.0	2.0	2.0	3.0	3.0	2.0	1.0	.0	1.0	2.0	2.0	.0	.0	3.0	2.0	-1.0	.0	2.0	24	4.0		
21	2.0	1.0	2.0	5.0	3.0	.0	1.0	.0	.0	2.0	1.0	-1.0	-2.0	-2.0	-1.0	-2.0	.0	1.0	1.0	1.0	-1.0	.0	-2.0	-2.0	24	5.0		
22	2.0	2.0	.0	.0	2.0	2.0	-1.0	-2.0	-1.0	1.0	2.0	2.0	1.0	1.0	3.0	2.0	.0	.0	1.0	1.0	1.0	.0	.0	-1.0	24	3.0		
23	-2.0	-3.0	1.0	5.0	5.0	2.0	.0	2.0	4.0	.0	-1.0	3.0	4.0	3.0	2.0	2.0	1.0	-1.0	1.0	3.0	2.0	.0	1.0	3.0	24	5.0		
24	3.0	4.0	5.0	6.0	6.0	4.0	3.0	2.0	2.0	5.0	4.0	1.0	2.0	4.0	4.0	2.0	2.0	3.0	3.0	3.0	4.0	3.0	1.0	2.0	24	6.0		
25	4.0	5.0	3.0	1.0	1.0	.0	.0	2.0	1.0	.0	1.0	2.0	2.0	3.0	2.0	1.0	3.0	6.0	21.0	19.0	5.0	6.0	5.0	3.0	24	21.0		
26	2.0	4.0	4.0	1.0	1.0	2.0	2.0	1.0	2.0	2.0	2.0	1.0	-1.0	-1.0	3.0	2.0	-3.0	.0	3.0	2.0	4.0	4.0	2.0	2.0	24	4.0		
27	1.0	.0	.0	1.0	.0	2.0	2.0	2.0	4.0	1.0	-1.0	1.0	1.0	2.0	2.0	2.0	4.0	2.0	1.0	.0	.0	-1.0	.0	1.0	24	4.0		
28	2.0	3.0	2.0	1.0	3.0	1.0	1.0	3.0	2.0	2.0	2.0	2.0	3.0	4.0	3.0	2.0	3.0	.0	-1.0	1.0	1.0	2.0	5.0	4.0	24	5.0		
29	2.0	4.0	6.0	2.0	2.0	4.0	4.0	3.0	1.0	2.0	2.0	2.0	2.0	.0	1.0	.0	1.0	1.0	1.0	3.0	1.0	1.0	3.0	2.0	24	6.0		
30																										0		
31																											0	
NO.:	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	28	29	28	28	29	29	29	29			
MAX:	8.0	6.0	6.0	7.0	6.0	6.0	5.0	8.0	13.0	9.0	5.0	5.0	5.0	6.0	5.0	7.0	7.0	6.0	21.0	19.0	7.0	7.0	7.0	7.0				
AVG:	2.66	2.93	2.59	2.17	2.45	2.38	2.28	2.76	3.21	3.14	2.41	1.93	1.90	2.10	2.03	2.14	2.29	2.14	3.14	3.00	2.68	2.28	2.28	2.24				

MONTHLY OBSERVATIONS: 692 MONTHLY MEAN: 2.46 MONTHLY MAX: 21.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 3
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit
 MONITOR TYPE: INDUSTRIAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (1387) Enefit

REPORT FOR: MARCH 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	2.0	4.0	3.0	3.0	5.0	5.0	4.0	5.0	5.0	3.0	3.0	3.0	4.0	2.0	2.0	1.0	-1.0	.0	3.0	3.0	1.0	.0	1.0	4.0	24	5.0
2	5.0	3.0	1.0	2.0	.0	-1.0	-1.0	.0	4.0	6.0	4.0	.0	.0	1.0	.0	.0	1.0	2.0	3.0	1.0	1.0	3.0	5.0	5.0	24	6.0
3	4.0	4.0	4.0	5.0	.0	.0	3.0	3.0	3.0	.0	.0	-1.0	.0	.0	1.0	1.0	3.0	5.0	4.0	2.0	1.0	1.0	3.0	3.0	24	5.0
4	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	3.0	4.0	2.0	.0	2.0	3.0	3.0	2.0	.0	1.0	3.0	2.0	1.0	3.0	3.0	4.0	24	4.0
5	4.0	4.0	5.0	1.0	.0	2.0	2.0	1.0	3.0	1.0	-1.0	1.0	2.0	1.0	-1.0	-1.0	2.0	1.0	-1.0	2.0	3.0	1.0	4.0	4.0	24	5.0
6	.0	-1.0	1.0	3.0	4.0	3.0	1.0	2.0	4.0	4.0	3.0	1.0	2.0	2.0	1.0	2.0	AM	4.0	3.0	3.0	4.0	4.0	5.0	5.0	23	5.0
7	6.0	24.0	27.0	27.0	24.0	18.0	15.0	18.0	8.0	9.0	10.0	8.0	8.0	7.0	5.0	4.0	4.0	6.0	8.0	8.0	6.0	4.0	4.0	6.0	24	27.0
8	6.0	4.0	5.0	4.0	3.0	4.0	3.0	3.0	3.0	4.0	4.0	3.0	2.0	1.0	3.0	4.0	1.0	2.0	5.0	7.0	6.0	3.0	5.0	5.0	24	7.0
9	4.0	3.0	4.0	5.0	7.0	8.0	6.0	5.0	4.0	5.0	5.0	5.0	2.0	1.0	5.0	6.0	4.0	4.0	5.0	6.0	6.0	6.0	6.0	6.0	24	8.0
10	5.0	4.0	4.0	3.0	2.0	3.0	3.0	5.0	5.0	5.0	4.0	4.0	4.0	5.0	5.0	6.0	5.0	3.0	4.0	3.0	4.0	5.0	5.0	5.0	24	6.0
11	2.0	-1.0	2.0	6.0	5.0	2.0	2.0	5.0	5.0	4.0	2.0	3.0	6.0	4.0	2.0	5.0	5.0	4.0	2.0	2.0	5.0	5.0	3.0	1.0	24	6.0
12	3.0	6.0	6.0	5.0	4.0	6.0	6.0	5.0	6.0	5.0	4.0	6.0	6.0	6.0	7.0	8.0	5.0	3.0	4.0	5.0	4.0	5.0	7.0	6.0	24	8.0
13	5.0	4.0	4.0	3.0	3.0	3.0	4.0	6.0	8.0	5.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	5.0	3.0	1.0	1.0	3.0	24	8.0
14	5.0	6.0	5.0	5.0	6.0	5.0	4.0	5.0	5.0	7.0	9.0	7.0	6.0	6.0	4.0	4.0	5.0	2.0	3.0	AL	AL	AL	AL	AL	19	9.0
15	AL	AL	AL	AL	AL	AL	AL	AL	AL	4.0	4.0	4.0	5.0	AL	2.0	2.0	1.0	1.0	1.0	.0	2.0	2.0	2.0	2.0	14	5.0
16	1.0	2.0	3.0	4.0	5.0	4.0	2.0	2.0	4.0	2.0	4.0	6.0	3.0	2.0	2.0	1.0	2.0	2.0	1.0	1.0	.0	1.0	4.0	3.0	24	6.0
17	2.0	.0	1.0	3.0	5.0	6.0	6.0	5.0	2.0	2.0	1.0	2.0	5.0	4.0	5.0	5.0	4.0	5.0	6.0	6.0	8.0	10.0	11.0	12.0	24	12.0
18	11.0	12.0	8.0	4.0	4.0	4.0	2.0	1.0	3.0	7.0	6.0	AL	AL	AL	.0	-2.0	.0	1.0	-1.0	-1.0	2.0	.0	1.0	3.0	21	12.0
19	2.0	1.0	2.0	2.0	4.0	3.0	.0	3.0	5.0	2.0	.0	1.0	1.0	2.0	2.0	4.0	3.0	.0	2.0	2.0	-1.0	2.0	2.0	2.0	24	5.0
20	3.0	.0	.0	3.0	3.0	4.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	.0	.0	.0	-1.0	.0	3.0	3.0	1.0	1.0	.0	24	4.0
21	1.0	1.0	.0	2.0	1.0	.0	1.0	1.0	1.0	-1.0	1.0	2.0	1.0	1.0	-1.0	-1.0	1.0	3.0	5.0	3.0	.0	1.0	2.0	2.0	24	5.0
22	4.0	3.0	2.0	2.0	1.0	.0	1.0	3.0	4.0	AL	AL	5.0	5.0	3.0	.0	-1.0	-1.0	.0	1.0	2.0	1.0	.0	.0	2.0	22	5.0
23	3.0	2.0	2.0	.0	-1.0	2.0	4.0	2.0	3.0	2.0	1.0	3.0	2.0	.0	1.0	.0	.0	2.0	.0	-1.0	2.0	.0	1.0	3.0	24	4.0
24	3.0	2.0	.0	2.0	2.0	2.0	1.0	1.0	2.0	3.0	5.0	4.0	3.0	.0	-3.0	-1.0	1.0	-1.0	-1.0	2.0	3.0	.0	.0	3.0	24	5.0
25	3.0	3.0	3.0	2.0	3.0	4.0	2.0	2.0	2.0	1.0	2.0	1.0	.0	-1.0	.0	1.0	.0	1.0	.0	-1.0	-2.0	.0	4.0	4.0	24	4.0
26	3.0	4.0	4.0	1.0	2.0	2.0	2.0	5.0	7.0	6.0	10.0	AL	AL	12.0	8.0	4.0	1.0	2.0	2.0	2.0	3.0	4.0	2.0	2.0	22	12.0
27	2.0	1.0	3.0	4.0	4.0	4.0	4.0	5.0	6.0	3.0	.0	1.0	3.0	5.0	4.0	4.0	4.0	4.0	3.0	5.0	7.0	7.0	6.0	4.0	24	7.0
28	5.0	3.0	3.0	4.0	2.0	4.0	7.0	8.0	9.0	10.0	6.0	5.0	5.0	5.0	7.0	7.0	8.0	7.0	7.0	6.0	6.0	9.0	6.0	5.0	24	10.0
29	6.0	6.0	6.0	5.0	5.0	7.0	8.0	6.0	5.0	7.0	7.0	4.0	1.0	.0	2.0	2.0	5.0	6.0	6.0	4.0	2.0	.0	1.0	2.0	24	8.0
30	3.0	5.0	7.0	6.0	4.0	4.0	4.0	4.0	6.0	6.0	7.0	7.0	1.0	1.0	4.0	4.0	3.0	2.0	2.0	1.0	3.0	3.0	3.0	4.0	24	7.0
31	3.0	3.0	2.0	.0	4.0	3.0	2.0	1.0	.0	5.0	6.0	4.0	3.0	3.0	4.0	4.0	4.0	3.0	3.0	3.0	1.0	1.0	3.0	4.0	24	6.0
NO.:	30	30	30	30	30	30	30	30	30	30	29	29	29	31	31	30	31	31	30	30	30	30	30	30		
MAX:	11.0	24.0	27.0	27.0	24.0	18.0	15.0	18.0	9.0	10.0	10.0	8.0	8.0	12.0	8.0	8.0	7.0	8.0	8.0	8.0	8.0	10.0	11.0	12.0		
AVG:	3.57	3.77	3.93	3.90	3.77	3.73	3.37	3.80	4.23	4.10	3.77	3.21	2.97	2.76	2.45	2.48	2.47	2.52	2.81	2.87	2.83	2.73	3.37	3.80		

MONTHLY OBSERVATIONS: 721 MONTHLY MEAN: 3.30 MONTHLY MAX: 27.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 3
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit

MONITOR TYPE: INDUSTRIAL

COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS

PQAO: (1387) Enefit

REPORT FOR: APRIL 2012

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	6.0	6.0	4.0	3.0	1.0	1.0	2.0	2.0	3.0	5.0	6.0	5.0	6.0	6.0	6.0	8.0	10.0	11.0	14.0	14.0	10.0	7.0	3.0	.0	24	14.0	
2	AL	AL	AL	AL	AV	AV	AV	AV	AV	AV	AV	1.0	3.0	1.0	-1.0	2.0	5.0	2.0	2.0	3.0	.0	2.0	3.0	2.0	13	5.0	
3	2.0	3.0	4.0	3.0	1.0	.0	.0	2.0	2.0	1.0	3.0	3.0	2.0	3.0	2.0	2.0	2.0	1.0	2.0	3.0	3.0	2.0	4.0	3.0	24	4.0	
4	4.0	5.0	3.0	3.0	2.0	3.0	3.0	3.0	-2.0	-1.0	3.0	2.0	1.0	1.0	2.0	2.0	3.0	6.0	2.0	.0	4.0	6.0	6.0	5.0	24	6.0	
5	4.0	3.0	3.0	4.0	4.0	3.0	2.0	2.0	3.0	4.0	5.0	4.0	1.0	-2.0	-2.0	1.0	2.0	3.0	3.0	5.0	5.0	3.0	3.0	7.0	24	7.0	
6	8.0	6.0	6.0	6.0	5.0	7.0	9.0	9.0	9.0	9.0	8.0	5.0	4.0	4.0	2.0	2.0	4.0	4.0	4.0	4.0	3.0	2.0	2.0	3.0	24	9.0	
7	3.0	3.0	5.0	4.0	4.0	3.0	2.0	2.0	1.0	3.0	4.0	4.0	2.0	2.0	6.0	7.0	6.0	6.0	6.0	6.0	8.0	7.0	7.0	9.0	24	9.0	
8	10.0	9.0	6.0	7.0	8.0	7.0	8.0	8.0	8.0	8.0	7.0	6.0	6.0	7.0	8.0	6.0	5.0	6.0	6.0	8.0	8.0	6.0	5.0	6.0	24	10.0	
9	6.0	6.0	5.0	2.0	3.0	6.0	6.0	4.0	4.0	4.0	7.0	11.0	8.0	6.0	4.0	2.0	3.0	6.0	8.0	6.0	5.0	6.0	4.0	3.0	24	11.0	
10	4.0	5.0	5.0	7.0	5.0	3.0	5.0	6.0	5.0	5.0	6.0	6.0	4.0	2.0	4.0	AM	5.0	2.0	2.0	1.0	1.0	1.0	-1.0	.0	23	7.0	
11	2.0	2.0	.0	1.0	2.0	3.0	6.0	6.0	4.0	4.0	3.0	2.0	3.0	2.0	2.0	3.0	5.0	5.0	5.0	9.0	16.0	17.0	8.0	6.0	24	17.0	
12	4.0	4.0	3.0	1.0	2.0	2.0	3.0	4.0	4.0	4.0	2.0	3.0	3.0	3.0	4.0	2.0	1.0	.0	2.0	1.0	2.0	4.0	1.0	2.0	24	4.0	
13	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	2.0	3.0	2.0	2.0	2.0	3.0	2.0	.0	1.0	4.0	6.0	6.0	4.0	3.0	24	6.0	
14	6.0	8.0	6.0	4.0	5.0	8.0	9.0	9.0	8.0	9.0	10.0	10.0	11.0	8.0	7.0	7.0	7.0	7.0	6.0	7.0	6.0	6.0	7.0	7.0	24	11.0	
15	7.0	7.0	6.0	4.0	2.0	5.0	6.0	3.0	3.0	2.0	4.0	5.0	2.0	-1.0	2.0	2.0	.0	2.0	5.0	6.0	2.0	2.0	3.0	3.0	24	7.0	
16	3.0	2.0	5.0	6.0	5.0	4.0	2.0	3.0	3.0	3.0	4.0	4.0	2.0	-1.0	-2.0	1.0	.0	1.0	4.0	4.0	5.0	5.0	6.0	6.0	24	6.0	
17	3.0	2.0	2.0	.0	.0	2.0	2.0	3.0	5.0	2.0	-1.0	2.0	5.0	3.0	4.0	4.0	2.0	3.0	3.0	4.0	4.0	2.0	2.0	4.0	24	5.0	
18	6.0	4.0	4.0	4.0	2.0	2.0	4.0	3.0	4.0	5.0	AM	AM	5.0	5.0	4.0	4.0	3.0	5.0	5.0	3.0	2.0	4.0	5.0	6.0	22	6.0	
19	6.0	3.0	1.0	2.0	2.0	2.0	2.0	3.0	4.0	2.0	1.0	3.0	2.0	3.0	2.0	.0	-1.0	-2.0	-1.0	2.0	2.0	1.0	2.0	1.0	24	6.0	
20	1.0	2.0	1.0	3.0	2.0	2.0	2.0	1.0	-1.0	.0	4.0	2.0	.0	1.0	1.0	5.0	4.0	1.0	-1.0	.0	3.0	1.0	.0	.0	24	5.0	
21	.0	2.0	.0	3.0	6.0	6.0	7.0	4.0	4.0	3.0	3.0	6.0	4.0	2.0	4.0	3.0	3.0	3.0	2.0	4.0	5.0	4.0	3.0	1.0	24	7.0	
22	2.0	3.0	.0	1.0	1.0	-2.0	2.0	4.0	2.0	2.0	3.0	4.0	3.0	2.0	2.0	2.0	-1.0	-1.0	2.0	1.0	5.0	6.0	2.0	1.0	24	6.0	
23	2.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	4.0	4.0	3.0	1.0	1.0	2.0	4.0	1.0	1.0	.0	1.0	3.0	3.0	2.0	2.0	24	4.0	
24	3.0	1.0	-1.0	2.0	2.0	1.0	2.0	3.0	5.0	2.0	1.0	.0	.0	3.0	4.0	3.0	2.0	4.0	4.0	1.0	1.0	3.0	5.0	3.0	24	5.0	
25	2.0	4.0	4.0	.0	-1.0	3.0	4.0	3.0	2.0	3.0	2.0	3.0	5.0	5.0	4.0	4.0	5.0	6.0	5.0	5.0	4.0	2.0	1.0	-1.0	24	6.0	
26	-1.0	2.0	3.0	2.0	2.0	3.0	3.0	1.0	.0	.0	1.0	2.0	.0	-2.0	1.0	1.0	.0	4.0	AM	AM	AM	AM	AM	AM	18	4.0	
27	AM	AM	3.0	1.0	2.0	2.0	1.0	1.0	4.0	6.0	6.0	6.0	6.0	6.0	2.0	4.0	6.0	7.0	6.0	7.0	7.0	6.0	6.0	4.0	22	7.0	
28	4.0	4.0	4.0	2.0	1.0	2.0	3.0	2.0	2.0	2.0	1.0	1.0	5.0	5.0	5.0	4.0	1.0	1.0	3.0	1.0	1.0	3.0	4.0	5.0	24	5.0	
29	5.0	6.0	4.0	3.0	3.0	2.0	4.0	5.0	2.0	2.0	2.0	3.0	1.0	2.0	5.0	5.0	4.0	2.0	2.0	3.0	2.0	2.0	4.0	6.0	24	6.0	
30	3.0	2.0	3.0	.0	1.0	2.0	1.0	3.0	3.0	1.0	2.0	3.0	3.0	AM	6.0	5.0	3.0	5.0	5.0	4.0	6.0	6.0	2.0	3.0	23	6.0	
31																										0	
NO.:	28	28	29	29	29	29	29	29	29	29	28	29	30	29	30	29	30	30	29	29	29	29	29	29	29		
MAX:	10.0	9.0	6.0	7.0	8.0	8.0	9.0	9.0	9.0	9.0	10.0	11.0	11.0	8.0	8.0	8.0	10.0	11.0	14.0	14.0	16.0	17.0	8.0	9.0			
AVG:	3.82	3.82	3.24	2.86	2.62	2.97	3.59	3.55	3.28	3.28	3.68	3.86	3.33	2.72	3.07	3.38	3.07	3.37	3.69	4.03	4.45	4.31	3.52	3.45			

MONTHLY OBSERVATIONS: 697 MONTHLY MEAN: 3.45 MONTHLY MAX: 17.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 3
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit
 MONITOR TYPE: INDUSTRIAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (1387) Enefit

REPORT FOR: MAY 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	6.0	8.0	8.0	7.0	6.0	7.0	8.0	6.0	3.0	2.0	5.0	5.0	1.0	3.0	7.0	6.0	5.0	6.0	6.0	4.0	4.0	6.0	6.0	5.0	24	8.0
2	4.0	4.0	6.0	7.0	6.0	5.0	6.0	8.0	8.0	7.0	8.0	8.0	7.0	9.0	9.0	9.0	7.0	3.0	5.0	6.0	4.0	5.0	5.0	5.0	24	9.0
3	5.0	5.0	4.0	5.0	3.0	6.0	5.0	2.0	4.0	6.0	6.0	5.0	4.0	5.0	3.0	2.0	5.0	6.0	3.0	4.0	6.0	4.0	2.0	4.0	24	6.0
4	7.0	4.0	3.0	6.0	5.0	3.0	4.0	5.0	6.0	6.0	6.0	6.0	4.0	3.0	6.0	6.0	3.0	-1.0	1.0	4.0	4.0	5.0	5.0	2.0	24	7.0
5	3.0	4.0	.0	5.0	7.0	5.0	5.0	5.0	6.0	7.0	10.0	12.0	11.0	11.0	13.0	14.0	14.0	12.0	7.0	5.0	5.0	3.0	1.0	1.0	24	14.0
6	3.0	5.0	6.0	8.0	10.0	6.0	5.0	8.0	6.0	3.0	6.0	7.0	5.0	3.0	3.0	6.0	8.0	5.0	2.0	4.0	6.0	5.0	6.0	6.0	24	10.0
7	6.0	9.0	10.0	7.0	1.0	1.0	4.0	6.0	6.0	5.0	4.0	3.0	2.0	3.0	2.0	1.0	3.0	4.0	2.0	2.0	3.0	3.0	6.0	6.0	24	10.0
8	3.0	.0	4.0	6.0	5.0	3.0	3.0	2.0	3.0	5.0	4.0	4.0	4.0	6.0	6.0	4.0	4.0	4.0	3.0	4.0	8.0	8.0	6.0	6.0	24	8.0
9	4.0	4.0	5.0	5.0	8.0	7.0	6.0	5.0	2.0	2.0	2.0	2.0	5.0	6.0	6.0	3.0	4.0	5.0	5.0	6.0	5.0	6.0	3.0	2.0	24	8.0
10	1.0	1.0	4.0	3.0	3.0	4.0	4.0	1.0	4.0	6.0	4.0	3.0	2.0	4.0	4.0	5.0	6.0	7.0	5.0	3.0	3.0	5.0	9.0	8.0	24	9.0
11	7.0	6.0	3.0	4.0	5.0	6.0	6.0	7.0	7.0	7.0	5.0	5.0	4.0	5.0	6.0	7.0	6.0	5.0	6.0	6.0	6.0	5.0	5.0	6.0	24	7.0
12	7.0	7.0	7.0	8.0	6.0	7.0	8.0	4.0	4.0	4.0	3.0	5.0	5.0	6.0	7.0	7.0	5.0	5.0	4.0	4.0	5.0	4.0	4.0	5.0	24	8.0
13	6.0	5.0	4.0	4.0	5.0	4.0	4.0	4.0	3.0	2.0	1.0	4.0	6.0	7.0	5.0	4.0	5.0	5.0	8.0	6.0	5.0	6.0	5.0	3.0	24	8.0
14	2.0	2.0	1.0	3.0	4.0	5.0	5.0	5.0	6.0	5.0	5.0	4.0	5.0	5.0	5.0	4.0	5.0	7.0	7.0	6.0	6.0	6.0	5.0	6.0	24	7.0
15	2.0	2.0	7.0	4.0	2.0	3.0	6.0	6.0	7.0	7.0	7.0	10.0	8.0	7.0	7.0	5.0	3.0	4.0	4.0	5.0	5.0	2.0	7.0	6.0	24	10.0
16	3.0	5.0	6.0	5.0	4.0	6.0	7.0	4.0	5.0	7.0	6.0	6.0	8.0	8.0	7.0	6.0	6.0	7.0	6.0	6.0	7.0	5.0	6.0	6.0	24	8.0
17	6.0	5.0	6.0	6.0	5.0	3.0	2.0	5.0	7.0	7.0	6.0	6.0	6.0	6.0	7.0	6.0	3.0	4.0	17.0	12.0	9.0	6.0	6.0	6.0	24	17.0
18	6.0	7.0	7.0	7.0	6.0	5.0	6.0	4.0	4.0	6.0	10.0	11.0	10.0	10.0	10.0	15.0	1.0	3.0	6.0	7.0	4.0	3.0	4.0	3.0	24	15.0
19	2.0	2.0	3.0	3.0	2.0	2.0	3.0	3.0	6.0	7.0	6.0	4.0	5.0	6.0	4.0	4.0	6.0	7.0	7.0	6.0	6.0	5.0	6.0	6.0	24	7.0
20	5.0	6.0	6.0	1.0	.0	6.0	7.0	4.0	2.0	1.0	2.0	4.0	5.0	5.0	6.0	5.0	6.0	7.0	3.0	5.0	6.0	5.0	3.0	4.0	24	7.0
21	8.0	7.0	4.0	6.0	7.0	5.0	2.0	4.0	6.0	6.0	6.0	5.0	6.0	5.0	4.0	5.0	5.0	4.0	4.0	6.0	7.0	5.0	4.0	3.0	24	8.0
22	2.0	3.0	4.0	6.0	6.0	5.0	AL	6.0	4.0	1.0	3.0	5.0	6.0	8.0	9.0	9.0	6.0	4.0	4.0	3.0	3.0	6.0	11.0	10.0	23	11.0
23	7.0	6.0	3.0	2.0	3.0	5.0	6.0	6.0	8.0	9.0	7.0	6.0	7.0	6.0	8.0	6.0	5.0	6.0	5.0	3.0	1.0	-1.0	.0	2.0	24	9.0
24	3.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0	3.0	2.0	4.0	4.0	2.0	1.0	1.0	2.0	2.0	3.0	5.0	4.0	4.0	6.0	24	6.0
25	6.0	6.0	4.0	3.0	5.0	4.0	4.0	4.0	6.0	20.0	20.0	22.0	21.0	20.0	22.0	26.0	19.0	12.0	17.0	15.0	22.0	28.0	33.0	30.0	24	33.0
26	24.0	22.0	10.0	9.0	7.0	5.0	6.0	10.0	9.0	7.0	8.0	28.0	23.0	29.0	52.0	69.0	43.0	39.0	33.0	18.0	7.0	6.0	7.0	5.0	24	69.0
27	2.0	5.0	4.0	4.0	6.0	4.0	2.0	1.0	.0	1.0	2.0	1.0	2.0	3.0	2.0	1.0	4.0	3.0	-1.0	.0	1.0	1.0	3.0	7.0	24	7.0
28	6.0	4.0	2.0	3.0	4.0	2.0	1.0	2.0	4.0	2.0	2.0	4.0	5.0	AN	5.0	3.0	-1.0	3.0	1.0	-1.0	3.0	4.0	5.0	5.0	23	6.0
29	2.0	2.0	3.0	4.0	5.0	3.0	3.0	3.0	1.0	2.0	3.0	AL	AL	6.0	7.0	6.0	8.0	6.0	6.0	5.0	5.0	6.0	2.0	4.0	22	8.0
30	5.0	3.0	4.0	5.0	4.0	4.0	5.0	3.0	5.0	5.0	3.0	5.0	4.0	5.0	5.0	4.0	.0	.0	1.0	3.0	4.0	6.0	4.0	3.0	24	6.0
31	5.0	6.0	4.0	2.0	4.0	4.0	3.0	3.0	4.0	4.0	2.0	3.0	.0	.0	1.0	.0	4.0	6.0	4.0	3.0	1.0	2.0	2.0	2.0	24	6.0
NO.:	31	31	31	31	31	31	30	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	
MAX:	24.0	22.0	10.0	9.0	10.0	7.0	8.0	10.0	9.0	20.0	20.0	28.0	23.0	29.0	52.0	69.0	43.0	39.0	33.0	18.0	22.0	28.0	33.0	30.0		
AVG:	5.10	5.13	4.71	4.87	4.74	4.45	4.60	4.45	4.77	5.19	5.32	6.50	6.17	6.80	7.74	8.03	6.42	6.13	5.90	5.26	5.35	5.29	5.65	5.58		

MONTHLY OBSERVATIONS: 740 MONTHLY MEAN: 5.59 MONTHLY MAX: 69.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 3
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit

MONITOR TYPE: INDUSTRIAL

COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS

PQAO: (1387) Enefit

REPORT FOR: JUNE 2012

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	2.0	-1.0	-1.0	.0	-1.0	.0	3.0	2.0	2.0	4.0	3.0	1.0	1.0	2.0	2.0	.0	.0	2.0	1.0	.0	.0	1.0	1.0	2.0	24	4.0	
2	3.0	.0	1.0	2.0	1.0	2.0	3.0	3.0	5.0	3.0	1.0	1.0	2.0	3.0	3.0	.0	3.0	8.0	3.0	1.0	3.0	2.0	1.0	-1.0	24	8.0	
3	3.0	6.0	4.0	2.0	3.0	5.0	4.0	1.0	1.0	4.0	2.0	-1.0	.0	3.0	5.0	4.0	2.0	2.0	5.0	4.0	5.0	4.0	3.0	6.0	24	6.0	
4	6.0	3.0	4.0	4.0	1.0	1.0	4.0	4.0	5.0	4.0	2.0	4.0	6.0	7.0	8.0	AL	8.0	6.0	3.0	5.0	6.0	6.0	4.0	4.0	23	8.0	
5	5.0	5.0	5.0	7.0	17.0	5.0	6.0	7.0	8.0	104.0	10.0	18.0	40.0	3.0	17.0	30.0	12.0	9.0	5.0	4.0	17.0	42.0	21.0	14.0	24	104.0	
6	14.0	12.0	7.0	4.0	3.0	4.0	4.0	4.0	9.0	10.0	9.0	6.0	8.0	9.0	6.0	5.0	6.0	8.0	16.0	4.0	6.0	6.0	8.0	9.0	24	16.0	
7	6.0	6.0	7.0	6.0	4.0	1.0	2.0	2.0	.0	3.0	9.0	17.0	5.0	5.0	5.0	18.0	10.0	9.0	5.0	4.0	9.0	11.0	8.0	6.0	24	18.0	
8	3.0	2.0	2.0	2.0	2.0	2.0	2.0	.0	2.0	20.0	24.0	23.0	59.0	20.0	4.0	8.0	16.0	14.0	8.0	2.0	4.0	31.0	10.0	11.0	24	59.0	
9	8.0	3.0	1.0	3.0	4.0	3.0	32.0	22.0	13.0	35.0	9.0	7.0	5.0	6.0	7.0	36.0	8.0	22.0	8.0	17.0	9.0	26.0	23.0	13.0	24	36.0	
10	15.0	14.0	8.0	4.0	4.0	3.0	4.0	8.0	5.0	.0	4.0	6.0	3.0	1.0	2.0	1.0	1.0	1.0	.0	.0	-1.0	3.0	5.0	6.0	24	15.0	
11	6.0	1.0	1.0	3.0	2.0	3.0	1.0	3.0	2.0	1.0	4.0	2.0	2.0	1.0	1.0	2.0	3.0	1.0	1.0	3.0	2.0	2.0	1.0	1.0	24	6.0	
12	2.0	2.0	2.0	4.0	5.0	1.0	2.0	5.0	4.0	2.0	3.0	3.0	2.0	2.0	1.0	2.0	3.0	27.0	9.0	11.0	19.0	10.0	7.0	4.0	24	27.0	
13	5.0	5.0	4.0	4.0	1.0	38.0	9.0	20.0	7.0	5.0	3.0	4.0	4.0	1.0	.0	2.0	5.0	3.0	.0	.0	2.0	4.0	4.0	5.0	24	38.0	
14	4.0	1.0	5.0	5.0	.0	2.0	3.0	3.0	3.0	1.0	.0	4.0	5.0	4.0	3.0	2.0	3.0	4.0	4.0	5.0	8.0	7.0	3.0	2.0	24	8.0	
15	3.0	6.0	18.0	25.0	13.0	8.0	2.0	5.0	7.0	4.0	8.0	13.0	8.0	7.0	8.0	25.0	20.0	16.0	15.0	4.0	6.0	7.0	4.0	18.0	24	25.0	
16	13.0	10.0	5.0	4.0	3.0	3.0	5.0	4.0	3.0	.0	-2.0	-1.0	.0	1.0	1.0	2.0	4.0	5.0	4.0	3.0	5.0	5.0	3.0	2.0	24	13.0	
17	2.0	4.0	5.0	3.0	2.0	1.0	2.0	2.0	5.0	4.0	3.0	4.0	8.0	10.0	7.0	10.0	9.0	17.0	16.0	7.0	8.0	6.0	4.0	6.0	24	17.0	
18	7.0	3.0	1.0	3.0	2.0	1.0	4.0	6.0	6.0	4.0	5.0	6.0	4.0	2.0	17.0	7.0	7.0	8.0	8.0	6.0	7.0	7.0	8.0	6.0	24	17.0	
19	1.0	4.0	5.0	4.0	4.0	5.0	22.0	43.0	15.0	15.0	21.0	16.0	11.0	12.0	BL	30.0	22.0	49.0	11.0	11.0	23.0	23.0	13.0	11.0	23	49.0	
20	9.0	9.0	9.0	6.0	4.0	2.0	2.0	4.0	2.0	2.0	3.0	4.0	7.0	9.0	7.0	4.0	2.0	3.0	4.0	3.0	2.0	4.0	4.0	5.0	24	9.0	
21	3.0	.0	1.0	4.0	4.0	2.0	5.0	7.0	5.0	4.0	4.0	2.0	2.0	8.0	10.0	21.0	4.0	5.0	5.0	9.0	11.0	9.0	7.0	16.0	24	21.0	
22	13.0	13.0	8.0	6.0	7.0	5.0	6.0	6.0	5.0	6.0	22.0	3.0	5.0	5.0	5.0	5.0	4.0	2.0	3.0	5.0	3.0	3.0	3.0	4.0	24	22.0	
23	10.0	11.0	7.0	4.0	4.0	5.0	4.0	3.0	3.0	20.0	7.0	6.0	6.0	11.0	13.0	9.0	6.0	3.0	6.0	9.0	6.0	7.0	12.0	12.0	24	20.0	
24	10.0	7.0	6.0	5.0	4.0	6.0	6.0	6.0	7.0	9.0	8.0	7.0	8.0	8.0	9.0	17.0	11.0	8.0	7.0	8.0	7.0	7.0	7.0	17.0	24	17.0	
25	7.0	3.0	2.0	6.0	39.0	38.0	27.0	30.0	16.0	12.0	13.0	13.0	9.0	8.0	11.0	12.0	9.0	6.0	6.0	5.0	4.0	6.0	7.0	11.0	24	39.0	
26	10.0	5.0	43.0	9.0	7.0	10.0	10.0	11.0	9.0	18.0	16.0	14.0	11.0	29.0	5.0	4.0	5.0	17.0	3.0	2.0	1.0	2.0	2.0	7.0	24	43.0	
27	34.0	16.0	3.0	17.0	14.0	7.0	1.0	1.0	3.0	6.0	19.0	4.0	5.0	6.0	5.0	4.0	3.0	2.0	4.0	3.0	2.0	5.0	16.0	21.0	24	34.0	
28	22.0	19.0	15.0	14.0	12.0	9.0	8.0	9.0	16.0	21.0	9.0	10.0	16.0	8.0	8.0	4.0	-1.0	-1.0	3.0	2.0	5.0	24.0	55.0	82.0	24	82.0	
29	88.0	77.0	70.0	75.0	77.0	72.0	78.0	65.0	37.0	51.0	28.0	21.0	19.0	13.0	13.0	11.0	6.0	3.0	1.0	-1.0	1.0	18.0	7.0	27.0	24	88.0	
30	50.0	60.0	55.0	54.0	44.0	38.0	40.0	54.0	60.0	75.0	53.0	40.0	44.0	63.0	58.0	24.0	6.0	7.0	8.0	10.0	32.0	32.0	34.0	34.0	24	75.0	
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30		
MAX:	88.0	77.0	70.0	75.0	77.0	72.0	78.0	65.0	60.0	104.0	53.0	40.0	59.0	63.0	58.0	36.0	22.0	49.0	16.0	17.0	32.0	42.0	55.0	82.0			
AVG:	12.13	10.20	10.10	9.63	9.53	9.40	10.03	11.33	8.83	14.90	10.00	8.57	10.17	8.90	8.31	10.31	6.57	8.87	5.73	4.87	7.07	10.67	9.50	12.03			

MONTHLY OBSERVATIONS: 718 MONTHLY MEAN: 9.49 MONTHLY MAX: 104.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 3
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit

MONITOR TYPE: INDUSTRIAL

COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS

PQAO: (1387) Enefit

REPORT FOR: JULY 2012

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	20.0	105.0	220.0	340.0	26.0	14.0	181.0	124.0	67.0	139.0	204.0	80.0	49.0	13.0	19.0	46.0	10.0	7.0	5.0	25.0	42.0	49.0	49.0	53.0	24	340.0
2	46.0	48.0	60.0	43.0	49.0	90.0	81.0	78.0	86.0	44.0	31.0	20.0	18.0	12.0	10.0	7.0	5.0	5.0	7.0	7.0	10.0	52.0	37.0	15.0	24	90.0
3	12.0	10.0	7.0	7.0	10.0	11.0	12.0	11.0	16.0	17.0	8.0	10.0	9.0	7.0	11.0	18.0	16.0	10.0	12.0	12.0	12.0	26.0	21.0	19.0	24	26.0
4	21.0	19.0	38.0	41.0	30.0	44.0	31.0	29.0	31.0	28.0	41.0	51.0	9.0	7.0	8.0	11.0	13.0	13.0	13.0	8.0	5.0	8.0	11.0	12.0	24	51.0
5	15.0	9.0	10.0	8.0	4.0	7.0	10.0	10.0	20.0	14.0	13.0	11.0	8.0	6.0	20.0	22.0	12.0	10.0	19.0	9.0	11.0	13.0	12.0	7.0	24	22.0
6	3.0	4.0	3.0	7.0	13.0	15.0	12.0	17.0	12.0	11.0	11.0	8.0	44.0	12.0	17.0	6.0	6.0	31.0	27.0	3.0	5.0	4.0	5.0	7.0	24	44.0
7	4.0	2.0	2.0	4.0	7.0	17.0	5.0	8.0	7.0	5.0	6.0	8.0	19.0	16.0	26.0	11.0	6.0	4.0	6.0	9.0	8.0	5.0	2.0	3.0	24	26.0
8	19.0	4.0	6.0	5.0	3.0	3.0	2.0	5.0	6.0	5.0	6.0	7.0	5.0	3.0	4.0	4.0	4.0	5.0	2.0	1.0	1.0	3.0	5.0	7.0	24	19.0
9	6.0	6.0	5.0	6.0	7.0	9.0	7.0	4.0	6.0	6.0	6.0	5.0	6.0	7.0	5.0	3.0	1.0	5.0	6.0	3.0	5.0	6.0	3.0	5.0	24	9.0
10	5.0	4.0	5.0	3.0	2.0	3.0	2.0	4.0	6.0	7.0	AL	4.0	.0	2.0	5.0	5.0	5.0	8.0	10.0	6.0	4.0	5.0	5.0	4.0	23	10.0
11	5.0	26.0	15.0	10.0	9.0	11.0	13.0	8.0	4.0	5.0	7.0	7.0	6.0	3.0	4.0	7.0	15.0	5.0	5.0	5.0	6.0	27.0	6.0	9.0	24	27.0
12	12.0	12.0	11.0	10.0	11.0	11.0	8.0	9.0	12.0	12.0	12.0	9.0	7.0	8.0	8.0	9.0	8.0	8.0	7.0	4.0	5.0	7.0	7.0	5.0	24	12.0
13	3.0	3.0	4.0	6.0	6.0	5.0	5.0	5.0	9.0	10.0	5.0	2.0	4.0	6.0	7.0	7.0	9.0	7.0	6.0	6.0	1.0	.0	3.0	4.0	24	10.0
14	1.0	1.0	2.0	.0	.0	1.0	4.0	5.0	4.0	4.0	3.0	5.0	3.0	2.0	4.0	4.0	40.0	-1.0	3.0	7.0	7.0	6.0	3.0	-3.0	24	40.0
15	.0	6.0	5.0	4.0	4.0	2.0	3.0	2.0	1.0	1.0	4.0	6.0	5.0	5.0	5.0	2.0	-1.0	-1.0	2.0	1.0	.0	2.0	4.0	5.0	24	6.0
16	3.0	1.0	4.0	5.0	4.0	2.0	2.0	4.0	1.0	1.0	5.0	5.0	3.0	.0	-1.0	1.0	4.0	4.0	-1.0	-1.0	-1.0	2.0	4.0	3.0	24	5.0
17	2.0	3.0	4.0	3.0	1.0	.0	.0	.0	2.0	4.0	4.0	4.0	4.0	4.0	1.0	.0	2.0	3.0	3.0	4.0	5.0	.0	1.0	6.0	24	6.0
18	6.0	3.0	.0	2.0	3.0	.0	2.0	5.0	3.0	5.0	5.0	2.0	3.0	4.0	4.0	1.0	.0	4.0	6.0	4.0	3.0	5.0	4.0	3.0	24	6.0
19	5.0	10.0	12.0	7.0	4.0	5.0	5.0	5.0	19.0	8.0	10.0	9.0	4.0	4.0	4.0	3.0	5.0	6.0	5.0	15.0	8.0	6.0	4.0	4.0	24	19.0
20	7.0	10.0	7.0	4.0	4.0	2.0	.0	1.0	2.0	3.0	3.0	5.0	3.0	3.0	5.0	5.0	5.0	5.0	3.0	29.0	14.0	10.0	5.0	1.0	24	29.0
21	.0	3.0	4.0	4.0	5.0	4.0	2.0	4.0	5.0	4.0	6.0	5.0	2.0	3.0	4.0	6.0	4.0	4.0	6.0	7.0	5.0	8.0	10.0	3.0	24	10.0
22	.0	1.0	2.0	6.0	5.0	4.0	6.0	3.0	1.0	2.0	4.0	5.0	4.0	4.0	3.0	2.0	3.0	3.0	2.0	3.0	2.0	1.0	1.0	1.0	24	6.0
23	.0	2.0	2.0	1.0	-1.0	.0	5.0	5.0	40.0	15.0	7.0	6.0	5.0	9.0	9.0	5.0	3.0	4.0	3.0	3.0	3.0	4.0	3.0	2.0	24	40.0
24	3.0	4.0	2.0	3.0	5.0	3.0	5.0	2.0	-1.0	3.0	4.0	1.0	1.0	5.0	3.0	1.0	1.0	4.0	3.0	2.0	1.0	2.0	4.0	3.0	24	5.0
25	4.0	3.0	3.0	6.0	5.0	4.0	7.0	5.0	4.0	7.0	6.0	3.0	2.0	1.0	1.0	3.0	5.0	6.0	4.0	4.0	5.0	5.0	4.0	1.0	24	7.0
26	2.0	6.0	6.0	5.0	7.0	5.0	3.0	5.0	7.0	9.0	6.0	6.0	7.0	6.0	6.0	3.0	2.0	5.0	4.0	3.0	5.0	4.0	6.0	7.0	24	9.0
27	5.0	3.0	3.0	2.0	3.0	4.0	3.0	6.0	6.0	4.0	6.0	6.0	AT	8.0	6.0	4.0	5.0	6.0	4.0	2.0	2.0	4.0	5.0	2.0	23	8.0
28	1.0	2.0	-1.0	.0	.0	1.0	1.0	2.0	4.0	1.0	1.0	2.0	3.0	3.0	2.0	2.0	3.0	3.0	1.0	4.0	4.0	2.0	5.0	5.0	24	5.0
29	2.0	2.0	3.0	1.0	1.0	3.0	5.0	5.0	1.0	-1.0	-2.0	.0	4.0	3.0	3.0	3.0	1.0	.0	1.0	.0	-1.0	2.0	3.0	2.0	24	5.0
30	2.0	3.0	2.0	1.0	3.0	3.0	1.0	3.0	1.0	.0	1.0	2.0	3.0	3.0	3.0	3.0	5.0	2.0	.0	.0	.0	1.0	2.0	2.0	24	5.0
31	2.0	2.0	3.0	3.0	5.0	6.0	4.0	3.0	3.0	1.0	.0	.0	.0	.0	2.0	4.0	1.0	2.0	4.0	4.0	2.0	2.0	2.0	3.0	24	6.0
NO.:	31	31	31	31	31	31	31	31	31	31	30	31	30	31	31	31	31	31	31	31	31	31	31	31	31	
MAX:	46.0	105.0	220.0	340.0	49.0	90.0	181.0	124.0	86.0	139.0	204.0	80.0	49.0	16.0	26.0	46.0	40.0	31.0	27.0	29.0	42.0	52.0	49.0	53.0		
AVG:	6.97	10.23	14.48	17.65	7.58	9.32	13.77	12.16	12.42	12.06	14.10	9.48	8.00	5.45	6.71	6.71	6.39	5.71	5.74	6.10	5.77	8.74	7.61	6.45		

MONTHLY OBSERVATIONS: 742 MONTHLY MEAN: 9.15 MONTHLY MAX: 340.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 3
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit
 MONITOR TYPE: INDUSTRIAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (1387) Enefit

REPORT FOR: AUGUST 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	5.0	4.0	6.0	5.0	5.0	6.0	6.0	6.0	5.0	6.0	4.0	1.0	4.0	6.0	5.0	4.0	4.0	3.0	2.0	2.0	4.0	3.0	1.0	2.0	24	6.0
2	1.0	AM	1.0	1.0	2.0	3.0	2.0	1.0	.0	1.0	3.0	3.0	5.0	3.0	4.0	4.0	2.0	3.0	4.0	24.0	10.0	11.0	7.0	3.0	23	24.0
3	2.0	2.0	2.0	1.0	1.0	1.0	3.0	4.0	2.0	1.0	2.0	4.0	6.0	5.0	5.0	5.0	6.0	9.0	9.0	6.0	8.0	8.0	8.0	6.0	24	9.0
4	4.0	6.0	8.0	6.0	7.0	22.0	24.0	24.0	21.0	14.0	13.0	13.0	14.0	13.0	8.0	7.0	8.0	6.0	6.0	7.0	7.0	6.0	7.0	8.0	24	24.0
5	10.0	9.0	6.0	7.0	7.0	9.0	9.0	6.0	7.0	8.0	7.0	7.0	7.0	7.0	6.0	6.0	6.0	5.0	1.0	2.0	3.0	2.0	3.0	4.0	24	10.0
6	5.0	6.0	4.0	4.0	4.0	3.0	2.0	5.0	6.0	4.0	2.0	2.0	2.0	2.0	1.0	3.0	4.0	3.0	5.0	5.0	4.0	4.0	3.0	4.0	24	6.0
7	3.0	2.0	.0	1.0	2.0	1.0	2.0	1.0	2.0	3.0	5.0	6.0	5.0	8.0	10.0	10.0	11.0	12.0	12.0	10.0	10.0	11.0	12.0	11.0	24	12.0
8	10.0	12.0	11.0	11.0	12.0	10.0	15.0	13.0	13.0	10.0	11.0	16.0	15.0	17.0	17.0	19.0	14.0	17.0	15.0	17.0	13.0	13.0	13.0	14.0	24	19.0
9	15.0	15.0	18.0	14.0	13.0	13.0	14.0	13.0	12.0	13.0	15.0	14.0	14.0	12.0	10.0	9.0	16.0	15.0	12.0	9.0	10.0	10.0	6.0	4.0	24	18.0
10	5.0	6.0	6.0	4.0	2.0	4.0	4.0	4.0	7.0	8.0	7.0	7.0	6.0	7.0	8.0	6.0	5.0	4.0	4.0	6.0	3.0	1.0	.0	-1.0	24	8.0
11	-2.0	.0	4.0	5.0	5.0	4.0	3.0	4.0	2.0	4.0	4.0	4.0	5.0	6.0	5.0	4.0	7.0	8.0	5.0	7.0	6.0	5.0	8.0	7.0	24	8.0
12	9.0	10.0	9.0	8.0	8.0	8.0	8.0	10.0	9.0	7.0	9.0	8.0	6.0	19.0	22.0	13.0	12.0	11.0	15.0	7.0	7.0	8.0	11.0	11.0	24	22.0
13	10.0	11.0	10.0	8.0	7.0	7.0	6.0	2.0	3.0	6.0	5.0	5.0	4.0	3.0	3.0	5.0	4.0	.0	1.0	4.0	6.0	6.0	7.0	6.0	24	11.0
14	7.0	9.0	8.0	9.0	11.0	9.0	BA	8.0	10.0	11.0	7.0	8.0	10.0	12.0	15.0	14.0	10.0	9.0	11.0	11.0	10.0	12.0	12.0	10.0	23	15.0
15	15.0	12.0	17.0	9.0	11.0	13.0	11.0	12.0	13.0	16.0	15.0	13.0	12.0	16.0	17.0	29.0	34.0	37.0	30.0	31.0	33.0	30.0	32.0	29.0	24	37.0
16	32.0	34.0	33.0	33.0	30.0	32.0	31.0	32.0	27.0	28.0	29.0	31.0	32.0	28.0	28.0	27.0	37.0	28.0	22.0	27.0	25.0	19.0	23.0	20.0	24	37.0
17	22.0	22.0	22.0	18.0	20.0	23.0	22.0	20.0	19.0	16.0	23.0	18.0	24.0	20.0	24.0	24.0	27.0	17.0	12.0	10.0	10.0	10.0	10.0	10.0	24	27.0
18	9.0	10.0	8.0	8.0	9.0	11.0	13.0	11.0	11.0	12.0	16.0	13.0	18.0	11.0	13.0	11.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0	8.0	24	18.0
19	6.0	6.0	5.0	5.0	9.0	15.0	22.0	8.0	10.0	12.0	14.0	13.0	11.0	9.0	9.0	12.0	17.0	17.0	19.0	19.0	14.0	16.0	15.0	17.0	24	22.0
20	13.0	14.0	20.0	18.0	25.0	20.0	23.0	26.0	25.0	29.0	29.0	22.0	26.0	24.0	18.0	20.0	17.0	14.0	18.0	19.0	18.0	19.0	14.0	16.0	24	29.0
21	14.0	19.0	18.0	15.0	13.0	17.0	18.0	16.0	17.0	22.0	24.0	20.0	22.0	16.0	19.0	17.0	17.0	13.0	14.0	13.0	11.0	16.0	13.0	11.0	24	24.0
22	11.0	9.0	8.0	6.0	4.0	5.0	6.0	5.0	8.0	10.0	8.0	7.0	7.0	6.0	6.0	5.0	3.0	3.0	3.0	3.0	5.0	4.0	1.0	2.0	24	11.0
23	2.0	3.0	2.0	2.0	3.0	3.0	2.0	5.0	7.0	5.0	2.0	4.0	6.0	5.0	3.0	2.0	3.0	2.0	4.0	4.0	2.0	2.0	3.0	3.0	24	7.0
24	3.0	4.0	3.0	1.0	1.0	2.0	1.0	1.0	2.0	1.0	2.0	5.0	8.0	9.0	9.0	8.0	9.0	7.0	8.0	10.0	12.0	9.0	8.0	7.0	24	12.0
25	6.0	8.0	8.0	6.0	8.0	11.0	11.0	9.0	9.0	12.0	11.0	10.0	13.0	13.0	17.0	15.0	12.0	18.0	17.0	13.0	13.0	14.0	13.0	11.0	24	18.0
26	9.0	9.0	11.0	10.0	13.0	11.0	8.0	10.0	10.0	10.0	11.0	9.0	10.0	11.0	9.0	11.0	11.0	9.0	12.0	14.0	12.0	11.0	10.0	6.0	24	14.0
27	4.0	4.0	4.0	5.0	6.0	5.0	6.0	7.0	9.0	9.0	4.0	8.0	7.0	3.0	4.0	4.0	5.0	5.0	5.0	5.0	8.0	9.0	7.0	6.0	24	9.0
28	5.0	5.0	5.0	3.0	5.0	6.0	6.0	4.0	4.0	4.0	5.0	6.0	7.0	5.0	2.0	2.0	1.0	1.0	3.0	2.0	2.0	3.0	4.0	5.0	24	7.0
29	4.0	4.0	5.0	4.0	3.0	3.0	4.0	5.0	5.0	6.0	5.0	7.0	5.0	BA	2.0	3.0	4.0	5.0	4.0	7.0	8.0	4.0	4.0	5.0	23	8.0
30	5.0	5.0	5.0	6.0	3.0	4.0	5.0	6.0	5.0	4.0	6.0	8.0	6.0	6.0	6.0	7.0	6.0	3.0	5.0	6.0	6.0	5.0	4.0	5.0	24	8.0
31	7.0	9.0	7.0	7.0	8.0	7.0	6.0	7.0	5.0	4.0	5.0	3.0	3.0	7.0	8.0	5.0	3.0	4.0	4.0	5.0	7.0	6.0	15.0	3.0	24	15.0
NO.:	31	30	31	31	31	31	30	31	31	31	31	31	31	30	31	31	31	31	31	31	31	31	31	31	31	
MAX:	32.0	34.0	33.0	33.0	30.0	32.0	31.0	32.0	27.0	29.0	29.0	31.0	32.0	28.0	28.0	29.0	37.0	37.0	30.0	31.0	33.0	30.0	32.0	29.0		
AVG:	8.10	8.97	8.84	7.74	8.29	9.29	9.77	9.19	9.19	9.55	9.77	9.52	10.32	10.30	10.10	10.03	10.48	9.68	9.48	10.23	9.65	9.35	9.23	8.16		

MONTHLY OBSERVATIONS: 741 MONTHLY MEAN: 9.38 MONTHLY MAX: 37.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 3
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit

MONITOR TYPE: INDUSTRIAL

COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS

PQAO: (1387) Enefit

REPORT FOR: SEPTEMBER 2012

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	5.0	7.0	5.0	1.0	1.0	2.0	6.0	10.0	9.0	7.0	8.0	10.0	7.0	6.0	4.0	4.0	6.0	9.0	7.0	3.0	2.0	5.0	6.0	4.0	24	10.0	
2	4.0	5.0	4.0	3.0	4.0	3.0	5.0	19.0	12.0	10.0	7.0	8.0	6.0	7.0	8.0	7.0	6.0	6.0	6.0	7.0	6.0	4.0	2.0	4.0	24	19.0	
3	4.0	4.0	6.0	5.0	5.0	5.0	6.0	6.0	5.0	6.0	7.0	3.0	3.0	3.0	6.0	7.0	7.0	5.0	4.0	4.0	3.0	2.0	3.0	3.0	24	7.0	
4	24.0	5.0	4.0	6.0	5.0	2.0	3.0	3.0	4.0	4.0	3.0	2.0	2.0	1.0	2.0	3.0	.0	.0	4.0	4.0	5.0	6.0	6.0	4.0	24	24.0	
5	3.0	4.0	4.0	2.0	2.0	4.0	4.0	4.0	3.0	2.0	4.0	6.0	6.0	4.0	4.0	4.0	3.0	4.0	3.0	5.0	5.0	3.0	4.0	4.0	24	6.0	
6	4.0	4.0	.0	-1.0	4.0	5.0	3.0	6.0	6.0	6.0	7.0	7.0	5.0	8.0	9.0	5.0	5.0	6.0	6.0	6.0	6.0	4.0	1.0	2.0	24	9.0	
7	2.0	3.0	3.0	3.0	4.0	4.0	5.0	5.0	4.0	4.0	2.0	1.0	6.0	8.0	8.0	7.0	8.0	6.0	5.0	5.0	4.0	5.0	8.0	7.0	24	8.0	
8	7.0	9.0	8.0	8.0	11.0	10.0	8.0	9.0	10.0	10.0	11.0	12.0	13.0	15.0	10.0	11.0	9.0	7.0	8.0	10.0	10.0	10.0	10.0	11.0	24	15.0	
9	12.0	10.0	11.0	12.0	10.0	10.0	10.0	8.0	9.0	11.0	11.0	11.0	8.0	8.0	8.0	7.0	8.0	6.0	5.0	6.0	5.0	6.0	5.0	4.0	24	12.0	
10	5.0	5.0	6.0	6.0	6.0	7.0	7.0	6.0	6.0	7.0	7.0	5.0	4.0	5.0	5.0	3.0	4.0	5.0	4.0	6.0	9.0	8.0	10.0	11.0	24	11.0	
11	7.0	3.0	1.0	1.0	3.0	4.0	5.0	5.0	5.0	6.0	5.0	4.0	6.0	4.0	2.0	4.0	2.0	1.0	.0	2.0	3.0	2.0	3.0	1.0	24	7.0	
12	3.0	4.0	4.0	4.0	3.0	3.0	4.0	3.0	3.0	5.0	6.0	5.0	4.0	5.0	6.0	6.0	6.0	7.0	7.0	6.0	7.0	6.0	4.0	4.0	24	7.0	
13	6.0	6.0	7.0	9.0	16.0	14.0	14.0	13.0	13.0	12.0	13.0	13.0	23.0	29.0	22.0	18.0	23.0	25.0	22.0	23.0	17.0	13.0	13.0	17.0	24	29.0	
14	AM	17.0	14.0	17.0	21.0	21.0	17.0	16.0	15.0	18.0	16.0	16.0	14.0	15.0	9.0	9.0	7.0	7.0	6.0	7.0	8.0	6.0	6.0	6.0	23	21.0	
15	6.0	6.0	5.0	7.0	8.0	6.0	8.0	10.0	9.0	8.0	8.0	7.0	8.0	8.0	7.0	5.0	2.0	2.0	4.0	5.0	4.0	3.0	3.0	5.0	24	10.0	
16	6.0	7.0	6.0	5.0	5.0	8.0	10.0	5.0	3.0	4.0	3.0	3.0	4.0	4.0	4.0	3.0	3.0	5.0	6.0	6.0	5.0	7.0	6.0	6.0	24	10.0	
17	7.0	6.0	8.0	11.0	10.0	10.0	10.0	8.0	8.0	8.0	5.0	5.0	8.0	11.0	8.0	7.0	9.0	11.0	12.0	13.0	13.0	23.0	23.0	22.0	24	23.0	
18	22.0	24.0	22.0	22.0	19.0	21.0	21.0	30.0	21.0	21.0	23.0	24.0	24.0	19.0	21.0	15.0	14.0	14.0	13.0	11.0	10.0	10.0	11.0	11.0	24	30.0	
19	11.0	17.0	19.0	15.0	16.0	18.0	18.0	19.0	18.0	21.0	20.0	19.0	18.0	BL	BL	BL	12.0	10.0	7.0	7.0	6.0	6.0	7.0	7.0	21	21.0	
20	6.0	7.0	9.0	10.0	11.0	12.0	12.0	13.0	14.0	15.0	12.0	10.0	12.0	19.0	19.0	15.0	14.0	15.0	68.0	11.0	12.0	14.0	15.0	13.0	24	68.0	
21	16.0	11.0	12.0	12.0	18.0	16.0	17.0	13.0	12.0	11.0	13.0	13.0	13.0	22.0	24.0	14.0	20.0	16.0	20.0	20.0	17.0	21.0	17.0	17.0	24	24.0	
22	19.0	23.0	18.0	21.0	20.0	18.0	22.0	19.0	21.0	18.0	20.0	23.0	18.0	15.0	21.0	16.0	14.0	14.0	14.0	13.0	12.0	12.0	10.0	9.0	24	23.0	
23	11.0	10.0	6.0	7.0	10.0	11.0	9.0	9.0	10.0	9.0	9.0	9.0	10.0	7.0	6.0	5.0	5.0	7.0	7.0	5.0	6.0	7.0	5.0	6.0	24	11.0	
24	4.0	3.0	5.0	4.0	2.0	3.0	6.0	4.0	3.0	3.0	4.0	6.0	8.0	6.0	3.0	4.0	6.0	7.0	4.0	2.0	5.0	5.0	3.0	4.0	24	8.0	
25	4.0	3.0	2.0	4.0	2.0	2.0	4.0	3.0	2.0	4.0	4.0	4.0	3.0	3.0	4.0	5.0	6.0	4.0	4.0	3.0	1.0	1.0	.0	1.0	24	6.0	
26	2.0	2.0	2.0	2.0	4.0	5.0	5.0	.0	.0	3.0	5.0	6.0	5.0	4.0	3.0	AV	5.0	5.0	5.0	6.0	5.0	3.0	3.0	3.0	23	6.0	
27	4.0	4.0	2.0	2.0	3.0	2.0	2.0	3.0	4.0	1.0	1.0	4.0	2.0	1.0	3.0	6.0	4.0	1.0	3.0	4.0	3.0	3.0	6.0	5.0	24	6.0	
28	5.0	4.0	6.0	5.0	3.0	6.0	5.0	3.0	4.0	5.0	6.0	6.0	7.0	6.0	4.0	5.0	5.0	4.0	4.0	4.0	5.0	4.0	2.0	4.0	24	7.0	
29	5.0	4.0	3.0	2.0	4.0	5.0	4.0	6.0	7.0	5.0	5.0	5.0	6.0	7.0	6.0	6.0	6.0	7.0	7.0	6.0	7.0	8.0	8.0	6.0	24	8.0	
30	7.0	8.0	6.0	10.0	10.0	9.0	9.0	7.0	5.0	8.0	8.0	6.0	7.0	7.0	4.0	2.0	5.0	7.0	7.0	8.0	8.0	5.0	5.0	5.0	24	10.0	
31																										0	
NO.:	29	30	30	30	30	30	30	30	30	30	30	30	30	29	29	28	30	30	30	30	30	30	30	30	30		
MAX:	24.0	24.0	22.0	22.0	21.0	21.0	22.0	30.0	21.0	21.0	23.0	24.0	24.0	29.0	24.0	18.0	23.0	25.0	68.0	23.0	17.0	23.0	23.0	22.0			
AVG:	7.62	7.50	6.93	7.17	8.00	8.20	8.63	8.83	8.17	8.40	8.43	8.43	8.67	8.86	8.17	7.21	7.47	7.43	9.07	7.27	6.97	7.07	6.83	6.87			

MONTHLY OBSERVATIONS: 715 MONTHLY MEAN: 7.84 MONTHLY MAX: 68.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 3
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit

MONITOR TYPE: INDUSTRIAL

COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS

PQAO: (1387) Enefit

REPORT FOR: OCTOBER 2012

DURATION: 1 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	4.0	5.0	7.0	8.0	8.0	7.0	5.0	7.0	7.0	7.0	6.0	8.0	9.0	6.0	6.0	7.0	6.0	AT	25.0	10.0	11.0	7.0	6.0	9.0	23	25.0	
2	8.0	8.0	6.0	5.0	6.0	5.0	5.0	6.0	5.0	4.0	7.0	9.0	5.0	2.0	4.0	6.0	5.0	2.0	2.0	4.0	5.0	5.0	5.0	5.0	24	9.0	
3	2.0	4.0	6.0	6.0	8.0	6.0	2.0	2.0	4.0	6.0	3.0	5.0	9.0	6.0	4.0	6.0	6.0	3.0	2.0	3.0	5.0	5.0	6.0	24	9.0		
4	7.0	6.0	6.0	3.0	1.0	3.0	5.0	7.0	6.0	5.0	AL	6.0	6.0	5.0	7.0	7.0	4.0	7.0	9.0	6.0	5.0	6.0	6.0	5.0	23	9.0	
5	5.0	6.0	6.0	6.0	8.0	10.0	10.0	11.0	9.0	6.0	6.0	4.0	2.0	4.0	5.0	4.0	4.0	6.0	5.0	5.0	7.0	7.0	6.0	5.0	24	11.0	
6	7.0	9.0	8.0	6.0	4.0	5.0	5.0	3.0	1.0	4.0	5.0	6.0	6.0	8.0	11.0	7.0	6.0	7.0	6.0	6.0	5.0	6.0	7.0	4.0	24	11.0	
7	3.0	6.0	6.0	5.0	4.0	5.0	7.0	4.0	6.0	8.0	6.0	5.0	6.0	8.0	7.0	3.0	3.0	4.0	5.0	6.0	6.0	7.0	10.0	9.0	24	10.0	
8	7.0	8.0	7.0	5.0	1.0	4.0	5.0	2.0	4.0	6.0	7.0	7.0	8.0	5.0	4.0	5.0	6.0	9.0	7.0	5.0	5.0	5.0	5.0	5.0	24	9.0	
9	3.0	3.0	4.0	5.0	4.0	4.0	5.0	5.0	6.0	6.0	4.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	3.0	5.0	5.0	5.0	24	6.0	
10	5.0	4.0	2.0	.0	2.0	5.0	4.0	1.0	2.0	3.0	2.0	2.0	4.0	4.0	4.0	5.0	3.0	2.0	4.0	6.0	5.0	5.0	4.0	4.0	24	6.0	
11	3.0	2.0	5.0	7.0	6.0	4.0	3.0	1.0	1.0	4.0	3.0	4.0	3.0	4.0	6.0	4.0	2.0	3.0	3.0	4.0	5.0	7.0	6.0	3.0	24	7.0	
12	2.0	5.0	6.0	4.0	3.0	4.0	6.0	5.0	4.0	1.0	-1.0	2.0	1.0	-1.0	.0	1.0	-1.0	-1.0	1.0	2.0	3.0	3.0	2.0	2.0	24	6.0	
13	4.0	4.0	3.0	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	3	4.0
14	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
15	AN	AN	AN	AN	AN	AN	AN	AN	AN	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	3.0	2.0	2.0	1.0	1.0	2.0	15	5.0	
16	1.0	1.0	3.0	3.0	.0	1.0	1.0	.0	.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	.0	1.0	4.0	4.0	6.0	5.0	3.0	5.0	24	6.0	
17	5.0	2.0	2.0	2.0	1.0	3.0	6.0	6.0	5.0	1.0	.0	1.0	.0	.0	3.0	3.0	.0	3.0	6.0	6.0	4.0	2.0	1.0	5.0	24	6.0	
18	5.0	4.0	3.0	2.0	4.0	6.0	4.0	4.0	3.0	-1.0	1.0	2.0	2.0	3.0	3.0	1.0	1.0	2.0	3.0	3.0	2.0	2.0	2.0	1.0	24	6.0	
19	1.0	.0	1.0	1.0	2.0	4.0	3.0	2.0	2.0	4.0	4.0	5.0	2.0	.0	1.0	1.0	1.0	1.0	20.0	3.0	2.0	.0	.0	.0	24	20.0	
20	2.0	3.0	1.0	2.0	1.0	3.0	5.0	5.0	4.0	.0	.0	3.0	3.0	3.0	1.0	1.0	5.0	5.0	2.0	3.0	4.0	2.0	2.0	2.0	24	5.0	
21	2.0	2.0	3.0	3.0	3.0	9.0	10.0	4.0	3.0	3.0	3.0	3.0	2.0	3.0	5.0	4.0	2.0	3.0	4.0	4.0	6.0	5.0	2.0	2.0	24	10.0	
22	2.0	2.0	2.0	2.0	2.0	4.0	3.0	2.0	2.0	3.0	3.0	4.0	5.0	6.0	5.0	3.0	3.0	4.0	6.0	6.0	5.0	5.0	2.0	.0	24	6.0	
23	2.0	2.0	1.0	2.0	4.0	3.0	6.0	6.0	3.0	6.0	6.0	3.0	4.0	6.0	4.0	1.0	1.0	3.0	7.0	13.0	8.0	3.0	4.0	2.0	24	13.0	
24	.0	1.0	2.0	.0	-2.0	-1.0	2.0	3.0	3.0	3.0	4.0	4.0	2.0	2.0	1.0	2.0	2.0	3.0	3.0	.0	1.0	3.0	4.0	3.0	24	4.0	
25	3.0	3.0	4.0	3.0	3.0	4.0	3.0	1.0	1.0	3.0	2.0	3.0	3.0	3.0	4.0	4.0	2.0	1.0	2.0	5.0	3.0	2.0	3.0	4.0	24	5.0	
26	4.0	5.0	3.0	2.0	3.0	3.0	2.0	2.0	1.0	3.0	5.0	3.0	.0	1.0	.0	-1.0	-1.0	1.0	4.0	3.0	2.0	3.0	3.0	3.0	24	5.0	
27	3.0	4.0	3.0	2.0	1.0	3.0	4.0	1.0	-1.0	-1.0	1.0	2.0	2.0	2.0	1.0	.0	.0	1.0	2.0	1.0	-1.0	1.0	3.0	1.0	24	4.0	
28	1.0	.0	3.0	4.0	2.0	6.0	11.0	7.0	3.0	2.0	2.0	.0	.0	-1.0	-4.0	-3.0	-2.0	.0	4.0	7.0	3.0	2.0	5.0	3.0	24	11.0	
29	3.0	3.0	.0	.0	.0	1.0	2.0	-1.0	1.0	3.0	1.0	1.0	-1.0	-2.0	-1.0	.0	.0	1.0	3.0	1.0	1.0	4.0	5.0	3.0	24	5.0	
30	3.0	2.0	2.0	2.0	-1.0	1.0	3.0	3.0	3.0	2.0	1.0	3.0	2.0	-1.0	3.0	3.0	2.0	4.0	3.0	1.0	.0	3.0	4.0	2.0	24	4.0	
31	2.0	2.0	2.0	3.0	3.0	2.0	3.0	3.0	4.0	5.0	6.0	6.0	4.0	3.0	5.0	5.0	2.0	2.0	3.0	3.0	4.0	4.0	1.0	2.0	24	6.0	
NO.:	29	29	29	28	28	28	28	28	28	29	28	29	29	29	29	29	29	28	29	29	29	29	29	29	29		
MAX:	8.0	9.0	8.0	8.0	8.0	10.0	11.0	11.0	9.0	8.0	7.0	9.0	9.0	8.0	11.0	7.0	6.0	9.0	25.0	13.0	11.0	7.0	10.0	9.0			
AVG:	3.41	3.66	3.69	3.32	2.89	4.07	4.64	3.64	3.29	3.48	3.32	3.76	3.34	3.00	3.34	3.03	2.38	3.04	5.24	4.34	4.03	3.97	3.86	3.52			

MONTHLY OBSERVATIONS: 688 MONTHLY MEAN: 3.60 MONTHLY MAX: 25.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 3
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit
 MONITOR TYPE: INDUSTRIAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (1387) Enefit

REPORT FOR: NOVEMBER 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	4.0	2.0	1.0	3.0	3.0	3.0	1.0	.0	3.0	4.0	1.0	1.0	4.0	AT	5.0	5.0	4.0	4.0	6.0	5.0	5.0	4.0	4.0	4.0	23	6.0	
2	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	4.0	3.0	5.0	4.0	3.0	2.0	2.0	3.0	3.0	2.0	2.0	4.0	4.0	3.0	24	6.0	
3	2.0	.0	-1.0	1.0	2.0	1.0	2.0	4.0	6.0	4.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0	4.0	2.0	2.0	2.0	.0	1.0	3.0	24	6.0	
4	3.0	4.0	5.0	5.0	6.0	5.0	3.0	4.0	1.0	.0	.0	2.0	4.0	3.0	3.0	3.0	1.0	-1.0	1.0	4.0	3.0	2.0	5.0	3.0	24	6.0	
5	-3.0	-2.0	1.0	.0	1.0	4.0	5.0	3.0	3.0	2.0	1.0	3.0	5.0	4.0	3.0	4.0	4.0	3.0	2.0	4.0	4.0	4.0	4.0	3.0	24	5.0	
6	4.0	4.0	.0	2.0	3.0	1.0	2.0	3.0	3.0	2.0	2.0	1.0	5.0	7.0	2.0	2.0	3.0	3.0	3.0	5.0	6.0	3.0	1.0	1.0	24	7.0	
7	3.0	4.0	4.0	3.0	2.0	.0	.0	4.0	3.0	1.0	5.0	6.0	3.0	3.0	4.0	5.0	3.0	3.0	4.0	3.0	1.0	2.0	4.0	3.0	24	6.0	
8	3.0	6.0	4.0	2.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0	5.0	4.0	6.0	5.0	4.0	6.0	6.0	5.0	6.0	4.0	3.0	6.0	7.0	24	7.0	
9	7.0	5.0	1.0	1.0	6.0	7.0	7.0	9.0	5.0	3.0	4.0	17.0	19.0	8.0	10.0	10.0	8.0	4.0	3.0	5.0	5.0	4.0	3.0	1.0	24	19.0	
10	2.0	3.0	3.0	4.0	2.0	.0	1.0	4.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	4.0	1.0	1.0	3.0	1.0	2.0	3.0	2.0	5.0	24	5.0	
11	5.0	5.0	6.0	5.0	5.0	5.0	5.0	5.0	7.0	6.0	5.0	4.0	5.0	3.0	2.0	5.0	6.0	8.0	8.0	6.0	6.0	5.0	5.0	3.0	24	8.0	
12	4.0	6.0	6.0	5.0	5.0	5.0	4.0	4.0	6.0	6.0	3.0	4.0	3.0	1.0	5.0	8.0	7.0	4.0	.0	.0	3.0	5.0	2.0	.0	24	8.0	
13	2.0	4.0	6.0	3.0	.0	1.0	2.0	2.0	1.0	2.0	4.0	2.0	5.0	8.0	7.0	4.0	2.0	3.0	5.0	4.0	3.0	5.0	4.0	1.0	24	8.0	
14	1.0	2.0	4.0	5.0	3.0	2.0	2.0	3.0	3.0	4.0	3.0	2.0	2.0	1.0	3.0	4.0	2.0	2.0	4.0	2.0	1.0	3.0	4.0	3.0	24	5.0	
15	3.0	3.0	2.0	.0	2.0	4.0	2.0	1.0	2.0	1.0	1.0	2.0	6.0	3.0	1.0	3.0	3.0	1.0	2.0	4.0	2.0	2.0	4.0	4.0	24	6.0	
16	1.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0	.0	2.0	4.0	3.0	4.0	5.0	4.0	2.0	3.0	2.0	2.0	5.0	3.0	2.0	1.0	2.0	24	5.0	
17	2.0	3.0	4.0	1.0	2.0	4.0	5.0	5.0	3.0	5.0	6.0	5.0	6.0	7.0	6.0	5.0	7.0	6.0	4.0	4.0	3.0	2.0	3.0	2.0	24	7.0	
18	3.0	4.0	2.0	2.0	3.0	2.0	3.0	3.0	3.0	3.0	2.0	2.0	1.0	1.0	2.0	3.0	3.0	4.0	4.0	1.0	2.0	3.0	1.0	2.0	24	4.0	
19	2.0	4.0	5.0	3.0	2.0	4.0	5.0	5.0	5.0	2.0	4.0	3.0	.0	1.0	1.0	3.0	6.0	3.0	-2.0	.0	3.0	4.0	5.0	5.0	24	6.0	
20	2.0	2.0	4.0	4.0	4.0	3.0	1.0	1.0	1.0	3.0	3.0	-1.0	.0	2.0	3.0	1.0	2.0	1.0	1.0	3.0	3.0	1.0	1.0	2.0	24	4.0	
21	2.0	5.0	5.0	4.0	3.0	2.0	2.0	2.0	3.0	4.0	4.0	3.0	3.0	3.0	1.0	1.0	2.0	3.0	3.0	1.0	2.0	2.0	2.0	2.0	24	5.0	
22	2.0	4.0	3.0	3.0	5.0	5.0	2.0	.0	-1.0	1.0	4.0	2.0	.0	.0	2.0	3.0	3.0	3.0	2.0	-1.0	2.0	5.0	2.0	1.0	24	5.0	
23	1.0	2.0	4.0	3.0	3.0	3.0	4.0	2.0	1.0	2.0	4.0	2.0	-1.0	2.0	3.0	2.0	3.0	4.0	3.0	3.0	3.0	3.0	4.0	4.0	24	4.0	
24	3.0	4.0	4.0	3.0	2.0	2.0	3.0	4.0	3.0	3.0	3.0	.0	2.0	4.0	3.0	4.0	4.0	4.0	4.0	7.0	6.0	5.0	3.0	2.0	24	7.0	
25	1.0	.0	.0	1.0	1.0	-1.0	2.0	2.0	.0	-1.0	-3.0	.0	2.0	.0	1.0	2.0	1.0	3.0	5.0	7.0	5.0	2.0	3.0	4.0	24	7.0	
26	4.0	4.0	4.0	3.0	3.0	-1.0	-3.0	-1.0	-1.0	-2.0	.0	.0	-1.0	-1.0	2.0	4.0	6.0	6.0	4.0	2.0	2.0	2.0	2.0	.0	24	6.0	
27	.0	2.0	1.0	1.0	4.0	4.0	4.0	4.0	2.0	1.0	1.0	3.0	3.0	3.0	4.0	AT	3.0	2.0	4.0	4.0	1.0	.0	-1.0	2.0	23	4.0	
28	4.0	4.0	3.0	2.0	.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	3.0	6.0	4.0	3.0	5.0	6.0	3.0	2.0	3.0	4.0	4.0	24	6.0	
29	4.0	3.0	4.0	6.0	6.0	5.0	5.0	5.0	4.0	4.0	4.0	5.0	4.0	4.0	3.0	3.0	2.0	1.0	1.0	.0	-1.0	3.0	3.0	2.0	24	6.0	
30	6.0	3.0	1.0	2.0	3.0	4.0	4.0	1.0	3.0	3.0	-1.0	1.0	3.0	2.0	3.0	5.0	6.0	4.0	2.0	1.0	.0	1.0	2.0	2.0	24	6.0	
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	30	30	30	30	30	30	30	30	30		
MAX:	7.0	6.0	6.0	6.0	6.0	7.0	7.0	9.0	7.0	6.0	6.0	17.0	19.0	8.0	10.0	10.0	8.0	8.0	8.0	7.0	6.0	5.0	6.0	7.0			
AVG:	2.67	3.20	3.07	2.73	2.90	2.73	2.73	2.93	2.63	2.57	2.57	2.87	3.40	3.17	3.47	3.76	3.73	3.30	3.13	3.10	2.83	2.90	2.93	2.67			

MONTHLY OBSERVATIONS: 718 MONTHLY MEAN: 3.00 MONTHLY MAX: 19.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-047-5632 POC: 3
 COUNTY: (047) Uintah
 CITY: (00000) Not in a city
 SITE ADDRESS: Accessed from Dragon Road/145-S, Uintah Co, UT
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (219) UTAH
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 39.8686220398
 LONGITUDE: -109.09730241
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1878.871
 PROBE HEIGHT:

SUPPORT AGENCY: (1387) Enefit
 MONITOR TYPE: INDUSTRIAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (1387) Enefit

REPORT FOR: DECEMBER 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	4.0	5.0	3.0	3.0	5.0	5.0	3.0	2.0	4.0	6.0	3.0	1.0	5.0	5.0	1.0	1.0	1.0	2.0	4.0	5.0	5.0	2.0	2.0	4.0	24	6.0
2	2.0	2.0	5.0	3.0	1.0	1.0	4.0	5.0	3.0	4.0	3.0	.0	.0	2.0	2.0	-1.0	2.0	5.0	4.0	2.0	.0	-1.0	.0	1.0	24	5.0
3	3.0	4.0	2.0	.0	2.0	2.0	1.0	3.0	3.0	1.0	1.0	1.0	1.0	.0	-2.0	-2.0	1.0	1.0	.0	1.0	.0	-1.0	2.0	2.0	24	4.0
4	1.0	1.0	.0	1.0	2.0	1.0	2.0	2.0	1.0	1.0	2.0	2.0	.0	.0	3.0	4.0	3.0	2.0	.0	.0	1.0	.0	1.0	2.0	24	4.0
5	1.0	2.0	2.0	-1.0	-2.0	2.0	2.0	2.0	3.0	.0	2.0	3.0	1.0	.0	1.0	3.0	3.0	2.0	3.0	1.0	.0	1.0	3.0	3.0	24	3.0
6	3.0	4.0	1.0	.0	.0	-1.0	.0	3.0	2.0	.0	-3.0	BA	-1.0	2.0	3.0	3.0	2.0	.0	3.0	5.0	3.0	2.0	2.0	3.0	23	5.0
7	1.0	.0	1.0	2.0	3.0	3.0	-1.0	.0	4.0	5.0	6.0	3.0	3.0	4.0	3.0	5.0	7.0	6.0	3.0	3.0	5.0	7.0	5.0	4.0	24	7.0
8	4.0	4.0	3.0	1.0	2.0	4.0	3.0	2.0	5.0	9.0	8.0	4.0	4.0	4.0	5.0	6.0	4.0	4.0	5.0	4.0	3.0	1.0	.0	.0	24	9.0
9	1.0	3.0	1.0	.0	1.0	5.0	5.0	1.0	1.0	2.0	4.0	4.0	3.0	1.0	1.0	3.0	3.0	3.0	3.0	3.0	2.0	3.0	5.0	4.0	24	5.0
10	4.0	5.0	2.0	1.0	4.0	4.0	4.0	3.0	2.0	2.0	2.0	4.0	3.0	2.0	3.0	2.0	4.0	5.0	4.0	2.0	3.0	2.0	1.0	4.0	24	5.0
11	2.0	1.0	2.0	3.0	2.0	1.0	2.0	4.0	3.0	3.0	3.0	.0	1.0	2.0	.0	.0	2.0	4.0	2.0	2.0	3.0	5.0	3.0	2.0	24	5.0
12	3.0	2.0	3.0	2.0	2.0	4.0	4.0	3.0	3.0	2.0	3.0	3.0	2.0	4.0	4.0	3.0	3.0	2.0	1.0	4.0	4.0	5.0	BL	3.0	23	5.0
13	2.0	2.0	4.0	5.0	4.0	4.0	5.0	3.0	.0	.0	4.0	3.0	.0	2.0	6.0	6.0	5.0	6.0	6.0	4.0	5.0	6.0	5.0	5.0	24	6.0
14	4.0	1.0	2.0	2.0	4.0	6.0	6.0	5.0	6.0	7.0	6.0	6.0	5.0	2.0	3.0	6.0	6.0	6.0	6.0	4.0	4.0	5.0	3.0	1.0	24	7.0
15	.0	-1.0	.0	8.0	7.0	.0	1.0	-1.0	-1.0	.0	.0	3.0	3.0	1.0	-2.0	.0	1.0	1.0	3.0	3.0	5.0	4.0	1.0	.0	24	8.0
16	1.0	1.0	1.0	2.0	2.0	-1.0	1.0	3.0	3.0	3.0	4.0	1.0	1.0	1.0	1.0	2.0	3.0	.0	1.0	4.0	4.0	3.0	-1.0	-1.0	24	4.0
17	.0	2.0	2.0	3.0	1.0	-1.0	.0	2.0	3.0	4.0	2.0	-1.0	1.0	1.0	2.0	4.0	4.0	1.0	1.0	.0	1.0	3.0	4.0	3.0	24	4.0
18	.0	.0	2.0	4.0	4.0	4.0	3.0	3.0	2.0	1.0	1.0	5.0	6.0	2.0	1.0	2.0	3.0	2.0	-1.0	1.0	1.0	2.0	3.0	1.0	24	6.0
19	-1.0	-3.0	-1.0	1.0	3.0	3.0	3.0	3.0	1.0	2.0	2.0	2.0	.0	-2.0	.0	2.0	4.0	5.0	2.0	1.0	3.0	2.0	1.0	2.0	24	5.0
20	5.0	7.0	4.0	3.0	3.0	3.0	4.0	4.0	3.0	5.0	4.0	.0	3.0	5.0	5.0	4.0	3.0	6.0	4.0	2.0	4.0	5.0	2.0	1.0	24	7.0
21	5.0	5.0	5.0	4.0	2.0	2.0	3.0	1.0	1.0	3.0	6.0	4.0	4.0	1.0	1.0	4.0	3.0	1.0	3.0	3.0	2.0	3.0	5.0	5.0	24	6.0
22	3.0	4.0	6.0	4.0	5.0	4.0	2.0	1.0	3.0	3.0	2.0	1.0	2.0	2.0	4.0	5.0	6.0	5.0	4.0	5.0	4.0	3.0	3.0	1.0	24	6.0
23	-1.0	2.0	6.0	7.0	4.0	3.0	4.0	5.0	5.0	7.0	7.0	4.0	3.0	2.0	3.0	6.0	8.0	8.0	7.0	3.0	3.0	6.0	4.0	3.0	24	8.0
24	5.0	5.0	5.0	4.0	3.0	3.0	2.0	2.0	3.0	4.0	5.0	3.0	2.0	2.0	4.0	3.0	4.0	5.0	3.0	2.0	3.0	5.0	5.0	4.0	24	5.0
25	3.0	3.0	4.0	3.0	1.0	3.0	4.0	5.0	4.0	2.0	4.0	1.0	-1.0	.0	-1.0	3.0	2.0	.0	1.0	.0	.0	1.0	3.0	4.0	24	5.0
26	2.0	1.0	2.0	4.0	3.0	2.0	1.0	.0	3.0	4.0	1.0	2.0	3.0	3.0	4.0	3.0	4.0	4.0	3.0	3.0	3.0	1.0	3.0	6.0	24	6.0
27	3.0	2.0	4.0	3.0	3.0	3.0	1.0	2.0	3.0	.0	1.0	2.0	4.0	5.0	3.0	3.0	4.0	2.0	2.0	7.0	9.0	7.0	4.0	3.0	24	9.0
28	3.0	3.0	5.0	5.0	2.0	2.0	3.0	1.0	1.0	4.0	1.0	-1.0	4.0	6.0	5.0	4.0	4.0	3.0	4.0	3.0	.0	2.0	3.0	2.0	24	6.0
29	3.0	4.0	5.0	5.0	4.0	4.0	4.0	4.0	6.0	6.0	3.0	2.0	2.0	3.0	2.0	3.0	4.0	4.0	4.0	5.0	5.0	5.0	8.0	6.0	24	8.0
30	5.0	7.0	6.0	6.0	6.0	3.0	6.0	7.0	6.0	7.0	7.0	3.0	3.0	4.0	4.0	6.0	5.0	5.0	8.0	8.0	9.0	7.0	6.0	5.0	24	9.0
31	6.0	5.0	5.0	6.0	4.0	5.0	6.0	4.0	6.0	5.0	5.0	7.0	4.0	2.0	5.0	6.0	4.0	5.0	5.0	4.0	5.0	8.0	8.0	6.0	24	8.0
NO.:	31	31	31	31	31	31	31	31	31	31	31	30	31	31	31	31	31	31	31	31	31	31	30	31		
MAX:	6.0	7.0	6.0	8.0	7.0	6.0	6.0	7.0	6.0	9.0	8.0	7.0	6.0	6.0	6.0	6.0	8.0	8.0	8.0	8.0	9.0	8.0	8.0	6.0		
AVG:	2.48	2.68	2.97	3.03	2.81	2.68	2.84	2.71	2.97	3.29	3.19	2.40	2.29	2.29	2.29	3.06	3.68	3.48	3.16	3.03	3.19	3.35	3.03	2.84		

MONTHLY OBSERVATIONS: 742 MONTHLY MEAN: 2.91 MONTHLY MAX: 9.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-049-0002 POC: 1
 COUNTY: (049) Utah
 CITY: (62470) Provo
 SITE ADDRESS: 1355 NORTH 200 WEST PROVO UT
 SITE COMMENTS:
 MONITOR COMMENTS: PARTISOL WITH CYCLONE IMPACTOR

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (6520) PROVO-OREM, UT
 LAND USE: COMMERCIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
 LATITUDE: 40.253611
 LONGITUDE: -111.663056
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1402
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

MONTH												
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	13.3	10.1	2.0	4.2	5.5	5.6	21.0	3.5	AV	8.1	5.7	4.0
2	12.0	10.1	3.3	2.3	7.5	6.7	19.4	4.9	AV	7.1	5.5	2.2
3	15.4	8.6	3.2	5.5	8.7	7.3	11.7	8.7	AM	7.9	5.1	3.7
4	15.4	6.6	3.4	5.5	11.9	11.0	18.2	7.9	AM	10.8	4.8	6.0
5	14.5	8.0	3.9	6.8		11.6	9.5	5.5	7.1	10.3	5.2	8.7
6	19.1	12.0	3.0	2.7	7.1	9.0	8.5	6.0	6.7	10.2	5.7	13.8
7	11.2	11.2	5.5	5.4	5.8	4.3	8.3	10.0	6.1	9.0	4.5	8.0
8	9.9	11.2	23.5	8.1	6.1	7.0	5.6	14.1	8.4	9.2	AM	4.0
9	17.8	18.5	15.7	6.2	6.5	11.4	6.5	23.9	6.6	7.5	AM	3.5
10	18.0	13.9	12.1	6.0	10.4	2.5	AM	10.0	6.2	7.9	AM	6.1
11	12.6	5.0	6.6	4.7	9.3	10.1	6.1	5.7	4.8	5.7	AM	8.8
12	9.4	5.2	5.9	2.2	6.6	8.1	7.7	14.0	6.2	4.0		4.5
13	11.0	8.2	6.3	4.6	6.7	11.9	18.0	7.3	9.9	2.9	18.9	4.0
14	8.6	9.8	3.8	6.6	8.4	8.7	4.0	11.9	12.7	3.6	18.7	6.6
15	3.0	5.8	4.1	3.1	8.1	10.9	4.5	20.1	8.5	5.6	22.9	3.2
16	3.9	9.8	5.6	2.9	11.7	8.4	4.1	22.0	6.8	4.5	16.2	1.5
17	6.1	14.1	4.4	4.5	11.0	7.0	4.1	19.7	22.2	4.8	5.1	2.8
18	3.1	8.0	1.5	4.4	9.8	8.0	5.0	19.7	34.5	6.6	2.5	5.5
19	6.9	1.7	1.3	4.2	11.7	6.0	5.2	22.4	22.9	6.2	4.3	7.2
20	9.1	2.4	3.2	4.2	6.6	5.0	5.8	17.2	16.2	4.4	5.5	AN
21	1.6	2.6	3.1	5.2	7.8	6.7	4.2	14.2	18.7	5.0	4.5	AN
22	1.7	7.4	3.5	AM	9.4	14.0	5.8	3.7	16.9	9.5	2.4	AN
23	5.8	2.0	3.4	AM	4.9	11.8	5.5	5.5	8.7	5.4	6.8	8.7
24	7.1	1.5	3.4	AM	5.3	13.5	6.2	15.0	5.3	4.3	9.4	2.8
25	9.9	4.6	2.6	AM	19.9	13.7	6.4	13.0	3.1	3.7	12.2	8.8
26	10.9	3.4	2.1	AM	20.0	8.7	5.0	7.5	4.7	4.9	16.8	5.0
27	4.0	.1	3.9	2.1	5.9	10.3	2.0	7.2	6.3	5.6	11.4	5.6
28	10.0	3.8	6.7	2.7	6.1	23.2	4.1	7.0	7.8	3.0	5.7	10.5
29	8.8	6.3	3.6	3.2	6.7	17.7	3.9	13.3	9.5	3.7	5.7	16.2
30	12.2		5.5	6.3	7.7	17.4	5.2	AM	7.9	5.1	3.7	22.7
31	14.8		7.9		6.8		4.2			5.2		
NO.:	31	29	31	25	30	30	30	29	26	31	25	27
MAX:	19.1	18.5	23.5	8.1	20.0	23.2	21.0	23.9	34.5	10.8	22.9	22.7
MEAN:	9.91	7.31	5.29	4.54	8.66	9.92	7.52	11.76	10.57	6.18	8.37	6.83
ANNUAL OBSERVATIONS:		344		ANNUAL MEAN:	8.08		ANNUAL MAX:	34.5				

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-049-4001 POC: 1
 COUNTY: (049) Utah
 CITY: (45090) Lindon
 SITE ADDRESS: 30 NORTH MAIN STREET, LINDON, UTAH
 SITE COMMENTS: LOCATED AT LINDON ELEMENTARY SCHOOL
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (6520) PROVO-OREM, UT
 LAND USE: RESIDENTIAL
 LOCATION SETTING: SUBURBAN

CAS NUMBER:
 LATITUDE: 40.341389
 LONGITUDE: -111.713611
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1442
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

MONTH												
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	10.7	AM	AM	3.5	6.0	5.3	27.3	4.7	3.3	10.5	4.4	AM
2	14.9	AM	AM	2.1	7.5	7.4	18.8	5.6	8.2	6.7	5.2	AM
3	14.7	AM	AM	5.6	7.9	7.5	13.4	7.8	4.6	6.8	5.6	4.6
4	17.9	AM	AM	4.5	9.0	13.6	20.6	7.9	4.6	10.0	5.5	7.1
5	14.7	AM	AM	7.9	8.4	10.0	8.6	5.4	6.0	8.7	6.8	8.7
6	19.8	AM	AM	3.2	7.3	14.5	7.9	6.6	6.1	8.0		15.1
7	10.7	AM	AM	8.0	6.9	11.6	8.4	9.9	5.9	9.8	7.7	5.8
8	10.9	AM	AM	7.4	7.8	13.1	6.3	13.9	8.3	6.6	7.7	2.9
9	19.5	19.2	AM	7.6	7.7	5.2	7.0	24.3	6.8	7.6	2.7	4.9
10	20.1	12.2	12.0	5.5	12.2	2.9	14.3	10.4	5.5	5.7	6.6	AM
11	12.7	7.1	6.8	4.3	8.5	4.2	AM	5.8	4.7	5.0	5.6	AM
12	10.5	5.7	5.0	1.4	6.3	4.8	6.3	14.4	6.2	2.6	AM	2.8 Y
13	12.3	7.2	6.5	4.5	10.4	6.1	18.1	6.7	9.3	2.8	AM	2.7
14	5.9	10.0	3.4	5.9	10.7	6.5	4.1	13.9	12.9	3.5	AM	7.2
15	2.0	5.1	3.9	2.7	9.4	7.3	4.6	19.1	9.0	5.6	AM	4.0
16	4.3	9.6	3.9	2.9	17.3	5.4	4.5	21.8	6.5	5.4	AM	2.1
17	4.2	AM	4.5	5.0	25.0	7.4	4.2	19.4	22.7	3.3	AM	2.6
18	2.3	AM	1.4	3.8	11.2	7.9	5.6		32.9	6.2	AM	6.4
19	3.2	AM	1.3	3.3	8.1	21.2	5.6	23.9	20.2	6.9	AM	6.7
20	7.3	2.2	3.2	4.4	8.5	8.5	5.9	17.2	14.1	6.1	AM	AM
21	1.5	3.1	4.1	7.0	8.3	14.1	5.1	15.3	19.1	6.0		AM
22	2.0 X	2.3	4.1	4.5	10.3	AM	5.8	4.3	16.3	9.5	3.6	6.3
23		1.8	3.1	5.1	6.5	13.8	6.5	5.9	7.8	5.5	6.5	6.0
24	AM	4.1	3.2	AM	5.2	11.6	7.3	11.3	5.0	6.3	8.3	2.5
25	AM	3.0	3.1	6.0	18.4	13.8	7.1	13.3	2.3	3.9	11.7	8.8
26	AM	AM	2.6	2.6	AV	13.4	5.1	6.6	5.6	4.7	15.6	5.0
27	AM		3.4	2.0	4.1	12.4	4.6	4.9	6.9	5.1	14.5	5.8
28	AM	AM	6.4	2.9	5.1	27.2	3.8	4.8	8.5	4.6	AM	18.5
29	AM	AM	3.5	2.8	6.7	26.4	4.1	5.8	8.4	4.3	AM	AM
30	AM		3.9	5.2	7.2	19.1	4.4	7.8	8.0	4.9		
31	AM		6.9		7.0		5.0	5.9		5.2		
NO.:	22	14	22	29	30	29	30	30	30	31	16	22
MAX:	20.1	19.2	12.0	8.0	25.0	27.2	27.3	24.3	32.9	10.5	15.6	18.5
MEAN:	10.10	6.61	4.37	4.54	9.16	11.11	8.34	10.82	9.52	6.06	7.38	6.20
ANNUAL OBSERVATIONS:		305		ANNUAL MEAN:	8.01		ANNUAL MAX:	32.9				

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-049-4001 POC: 2
 COUNTY: (049) Utah
 CITY: (45090) Linton
 SITE ADDRESS: 30 NORTH MAIN STREET, LINDON, UTAH
 SITE COMMENTS: LOCATED AT LINDON ELEMENTARY SCHOOL
 MONITOR COMMENTS: PARTISOL WITH WINS IMPACTOR

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (6520) PROVO-OREM, UT
 LAND USE: RESIDENTIAL
 LOCATION SETTING: SUBURBAN

CAS NUMBER:
 LATITUDE: 40.341389
 LONGITUDE: -111.713611
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1442
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1								5.3				
2						5.8						
3		9.7		5.3								
4												
5											7.8	
6									8.1			
7												
8							7.2					
9					5.9							
10	19.9		12.0									
11												8.9
12		.0								2.9		
13								7.8				
14						6.7						
15		5.0		2.8								
16												
17												
18									34.1			
19												
20							7.9					
21					6.8							
22	1.7		3.7									
23												6.8
24										5.1		
25								13.3				
26												
27		4.1		.8								
28												
29											3.4	
30									8.1			
31												
NO.:	2	4	2	3	2	2	2	3	3	2	2	2
MAX:	19.9	9.7	12.0	5.3	6.8	6.7	7.9	13.3	34.1	5.1	7.8	8.9
MEAN:	10.80	4.70	7.85	2.97	6.35	6.25	7.55	8.80	16.77	4.00	5.60	7.85
ANNUAL OBSERVATIONS:	29		ANNUAL MEAN:		7.48	ANNUAL MAX:		34.1				

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-049-5010 POC: 1
 COUNTY: (049) Utah
 CITY: (71290) Spanish Fork
 SITE ADDRESS: 312 W. 2050 NORTH, SPANISH FORK, UTAH
 SITE COMMENTS: SITE IS LOCATED AT SPANISH FORK AIRPORT
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: INDUSTRIAL
 LOCATION SETTING: SUBURBAN

CAS NUMBER:
 LATITUDE: 40.1363362851
 LONGITUDE: -111.66050219
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1380
 PROBE HEIGHT: 5

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality
 MONITOR TYPE: SPECIAL PURPOSE
 COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential
 PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	5.7							3.5				
2						5.2	19.3				5.0	2.4
3		6.6		3.5	7.6				4.4	7.4		
4	12.2		4.3					8.7				
5						12.1	11.8				4.1	6.3
6		9.2		2.7	6.6				5.6	8.9		
7	10.6		1.8					10.3				
8						9.1	11.6				7.9	3.6
9		18.7		5.8	6.6				7.2	6.8		
10	16.1		AM					9.3				
11						3.6	6.9				4.4	7.9
12		6.1		2.8	5.1				6.2	4.1		
13	5.7		AM					6.3				
14						6.8	4.8				13.2	6.7
15		5.7		3.5	7.4				7.0	5.1		
16	3.0		AM					19.5				
17						11.9	4.2				3.2	3.4
18		6.2		3.7	7.3				28.8	4.0		
19	7.8		2.2					22.4				
20						6.1	3.8				2.7	5.3
21		2.5		4.0	7.7				16.6	5.6		
22	1.4	3.1	4.3					6.0				
23						13.5	5.2				5.6	8.1
24				4.6	4.1				5.6	4.9		
25	7.0	3.1	2.4					12.6				
26						15.0	8.0				8.4	2.7
27				1.8	2.9				7.0	5.2		
28	7.6	6.5	6.1					4.3				
29						29.5	5.8				5.1	11.1
30				5.4	6.8				8.8	4.1		
31	9.1		8.2					7.6				
NO.:	11	10	7	10	10	10	10	11	10	10	10	10
MAX:	16.1	18.7	8.2	5.8	7.7	29.5	19.3	22.4	28.8	8.9	13.2	11.1
MEAN:	7.84	6.77	4.19	3.78	6.21	11.28	8.14	10.05	9.72	5.61	5.96	5.75
ANNUAL OBSERVATIONS:		119		ANNUAL MEAN:	7.21	ANNUAL MAX:	29.5					

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: JANUARY 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	4.5	5.0	4.6	3.9	4.0	3.9	2.3	2.9	2.6	1.6	3.0	5.1	7.5	7.3	4.5	2.3	.9	-.4	.9	-.4	-.8	3.6	5.9	3.7	24	7.5	
2	1.4	2.8	5.1	7.9	6.6	2.8	1.3	.0	.6	2.3	3.2	4.2	7.0	6.7	4.0	3.5	3.1	3.1	1.3	-3.2	-3.7	1.9	3.8	.8	24	7.9	
3	1.6	3.4	4.1	6.1	6.0	3.7	3.5	4.9	4.8	3.9	5.0	5.5	8.2	5.7	-.5	1.4	3.0	1.4	.5	-.1	1.3	4.9	5.4	2.3	24	8.2	
4	-.3	2.0	2.6	.5	.6	1.1	1.9	1.9	2.6	5.9	7.5	5.3	7.2	8.3	3.6	2.3	4.2	4.5	2.4	-1.3	-1.4	2.6	3.3	.1	24	8.3	
5	.2	2.9	.7	.0	1.8	4.5	4.9	1.2	.8	2.5	5.8	9.0	8.7	5.1	.5	.5	1.6	1.6	1.7	2.9	1.7	-.2	.2	1.4	24	9.0	
6	1.8	1.1	.4	-.2	-1.6	-.4	2.2	2.1	1.3	2.1	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	10	2.2
7	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	0	
8	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	0	
9	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	BA	7.8	3.5	-2.7	.5	3.9	1.8	6	7.8	
10	.1	1.5	2.3	3.8	3.6	1.1	1.6	1.6	-.8	-.9	3.0	5.8	2.0	-.6	4.2	6.2	5.8	2.9	.0	1.0	2.9	2.8	1.9	1.1	24	6.2	
11	.1	-2.7	-1.8	2.4	-1.4	-2.6	.8	2.1	4.8	4.1	4.7	8.1	10.6	10.1	5.5	.9	5.5	6.0	1.1	-.6	-1.7	.6	3.2	3.8	24	10.6	
12	3.4	3.6	3.9	4.7	2.9	2.7	4.2	2.3	.0	.6	3.0	5.7	8.6	6.9	2.2	.0	1.0	2.8	1.3	-.8	-4.4	-2.9	2.6	1.5	24	8.6	
13	2.8	5.7	5.0	4.2	2.2	-.7	.2	.2	-.4	3.3	6.3	8.4	12.3	8.5	1.8	.6	.4	1.6	4.9	2.1	-1.9	.8	2.9	2.8	24	12.3	
14	2.1	1.4	-.3	-1.1	2.0	2.3	3.5	4.5	3.1	2.4	2.3	4.3	8.9	8.8	1.4	1.6	5.8	5.5	4.8	5.2	18.5	-3.1	-1.2	-.3	24	18.5	
15	-.1	1.8	3.2	3.5	4.3	2.0	2.0	3.0	.1	.9	3.6	3.0	3.9	5.4	3.1	3.6	3.5	1.3	2.9	3.8	-1.0	-1.1	2.1	.8	24	5.4	
16	-1.7	-1.0	4.1	3.8	1.8	4.3	3.3	2.5	4.5	6.2	4.0	2.5	4.5	3.1	2.7	4.6	5.5	5.3	4.3	2.8	.5	.8	2.6	.9	24	6.2	
17	.6	3.2	4.1	4.6	5.3	4.9	5.2	2.8	1.3	2.7	3.9	4.8	8.2	7.2	2.4	2.8	2.4	3.5	1.4	-2.6	-.4	1.9	2.0	3.5	24	8.2	
18	4.8	3.4	2.8	4.0	2.2	2.0	3.5	4.6	4.7	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	9	4.8	
19	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
20	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
21	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
22	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
23	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
24	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	0	
25	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	0	
26	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	0	
27	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	0	
28	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	0	
29	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	0	
30	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	0	
31	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	AL	6.1	4.4	2.8	6.2	5.7	4.4	1.5	-.8	-.4	-1.4	1.0	2.0	12	6.2	
NO.:	15	15	15	15	15	15	15	15	15	14	13	13	14	14	14	14	14	14	15	15	15	15	15	15			
MAX:	4.8	5.7	5.1	7.9	6.6	4.9	5.2	4.9	4.8	6.2	7.5	9.0	12.3	10.1	5.5	6.2	5.8	6.0	7.8	5.2	18.5	4.9	5.9	3.8			
AVG:	1.42	2.27	2.72	3.21	2.69	2.11	2.69	2.44	2.00	2.69	4.25	5.52	7.41	6.21	2.73	2.61	3.46	3.11	2.45	.77	.43	.78	2.64	1.75			

MONTHLY OBSERVATIONS: 349 MONTHLY MEAN: 2.80 MONTHLY MAX: 18.5

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: FEBRUARY 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	2.6	4.9	5.5	5.3	4.2	5.5	7.4	5.2	3.6	3.8	3.3	2.0	7.6	10.1	4.4	2.1	2.6	3.4	4.3	4.4	5.6	6.7	4.9	1.9	24	10.1	
2	2.3	3.9	3.9	5.0	3.2	3.7	4.3	3.9	3.9	4.3	6.7	5.2	3.9	4.2	2.8	1.9	-1.5	-1	3.1	3.0	5.3	5.2	3.5	5.1	24	6.7	
3	5.3	5.3	5.4	6.4	4.5	2.9	7.5	8.0	4.9	5.5	8.3	10.1	9.3	6.7	3.3	3.5	6.0	5.2	4.3	4.1	3.3	1.5	3.0	4.6	24	10.1	
4	4.7	6.3	7.0	6.5	6.8	7.8	5.3	4.7	10.2	9.6	4.6	16.5	2.0	4.2	5.9	4.3	4.4	6.0	5.9	4.6	2.0	-2	1.1	4.7	24	16.5	
5	7.1	8.7	8.5	9.0	8.8	6.7	5.0	4.6	5.2	7.2	10.4	9.8	7.9	6.6	5.4	7.6	5.5	2.3	5.6	6.3	3.3	2.2	2.8	2.2	24	10.4	
6	3.7	5.6	6.7	9.4	8.6	7.4	6.2	5.9	8.1	6.6	6.2	17.3	7.9	7.3	6.5	7.0	4.6	3.2	5.8	3.0	2.5	3.8	3.8	3.3	24	17.3	
7	1.8	.8	2.6	7.2	7.1	5.6	6.9	9.0	9.0	6.6	7.9	12.0	12.0	10.1	5.9	5.1	5.8	5.3	1.7	2.0	3.6	3.6	2.8	2.5	24	12.0	
8	4.4	5.2	4.0	6.2	4.2	2.3	5.3	5.1	5.3	6.0	9.9	8.7	4.4	5.9	7.6	6.6	4.3	3.9	5.6	5.9	4.4	2.5	3.7	4.8	24	9.9	
9	4.6	5.8	5.5	4.8	4.0	3.1	3.0	4.5	7.0	6.8	8.4	12.3	9.4	6.3	7.4	6.0	2.8	2.6	6.7	5.5	.9	.3	2.3	1.0	24	12.3	
10	-1.2	.8	2.4	1.6	1.0	2.3	4.7	5.8	5.0	4.1	3.8	7.8	9.5	6.0	2.5	1.8	4.2	5.5	5.8	7.2	7.0	6.4	4.8	4.1	24	9.5	
11	4.2	5.9	7.1	4.7	3.3	6.2	8.2	3.8	3.5	5.7	7.7	7.3	4.6	5.6	8.2	7.7	4.6	5.2	7.4	5.8	6.0	6.2	5.2	3.9	24	8.2	
12	5.5	9.3	10.1	9.3	7.2	6.6	7.5	6.9	5.7	8.5	9.4	8.3	5.4	4.0	6.0	9.0	8.9	7.4	6.2	1.9	2.0	3.8	6.6	8.3	24	10.1	
13	5.8	5.0	8.2	7.6	5.4	3.2	4.1	3.3	2.6	4.9	5.1	2.4	3.2	7.6	6.0	5.9	7.1	8.9	8.1	6.6	8.2	6.8	3.1	2.5	24	8.9	
14	3.1	3.0	4.5	6.5	5.5	5.1	6.0	4.4	1.0	2.2	6.8	7.0	7.2	10.5	11.7	8.7	8.5	5.8	5.2	4.4	2.4	6.8	7.5	7.4	24	11.7	
15	9.2	5.8	6.2	9.6	7.6	6.2	5.5	5.1	5.1	6.1	8.0	7.9	6.3	7.0	6.4	4.3	3.2	.8	2.3	4.9	2.7	4.5	6.2	24	9.6		
16	6.0	9.1	7.8	8.3	5.4	3.9	8.1	5.8	6.0	9.9	13.6	14.9	11.0	6.1	4.9	4.2	3.6	.2	1.0	7.2	7.1	4.9	6.2	6.1	24	14.9	
17	6.9	5.4	4.4	10.0	10.4	6.9	6.0	8.7	8.5	10.3	12.2	11.4	8.4	4.8	6.4	6.9	6.3	7.2	7.9	7.5	4.3	3.8	3.6	.6	24	12.2	
18	3.6	7.9	7.2	6.5	6.9	5.9	4.7	6.8	8.1	7.3	9.3	11.0	9.6	5.1	3.2	5.9	5.3	2.6	4.1	8.2	8.3	6.4	5.4	4.4	24	11.0	
19	5.5	5.1	2.8	5.4	7.3	5.9	8.6	6.7	2.2	3.2	1.8	3.9	4.4	3.4	4.0	3.9	4.8	2.0	4.6	4.6	5.2	4.2	2.4	5.8	24	8.6	
20	3.3	3.4	4.7	2.7	4.7	6.6	8.0	8.9	8.8	10.4	6.4	5.8	7.9	8.3	6.9	7.3	5.0	1.9	2.5	.9	.6	.2	1.3	.8	24	10.4	
21	2.9	7.7	7.5	7.7	7.4	7.0	6.7	6.4	8.5	8.8	6.5	7.0	8.1	7.9	8.0	6.8	4.4	2.1	-.7	1.8	4.6	1.7	2.4	2.8	24	8.8	
22	2.8	6.6	5.3	2.1	2.5	1.2	3.1	7.8	8.9	7.8	5.9	7.9	11.8	8.9	5.3	6.9	6.6	5.9	4.5	4.9	6.1	3.6	3.9	4.7	24	11.8	
23	3.0	1.3	3.5	6.0	6.0	5.2	4.6	5.5	5.5	5.7	8.7	9.4	9.1	8.8	6.5	3.9	5.3	5.8	3.9	5.9	3.9	1.0	3.2	4.5	24	9.4	
24	4.7	7.8	8.6	8.0	8.9	7.6	6.2	5.0	4.3	7.5	13.0	13.1	8.5	6.2	7.0	4.1	2.1	2.5	1.9	2.9	4.7	3.1	2.8	2.9	24	13.1	
25	3.4	5.2	4.9	6.5	6.8	4.8	4.8	4.3	4.9	7.1	15.7	4.7	4.1	4.9	3.7	2.1	1.9	3.2	5.0	5.0	5.1	2.1	2.8	5.6	24	15.7	
26	7.7	26.6	17.8	24.1	17.6	9.7	9.4	9.8	11.0	9.2	9.2	13.4	12.5	8.8	7.3	9.0	10.7	9.1	9.7	10.0	7.9	8.2	8.1	6.5	24	26.6	
27	7.6	10.0	8.0	6.4	9.8	11.2	9.0	6.6	8.6	11.3	10.2	7.4	6.7	6.4	6.1	8.2	9.2	9.6	9.4	8.8	7.8	6.5	7.4	10.2	24	11.3	
28	10.5	5.2	4.3	8.4	7.8	5.2	4.5	7.7	11.5	BA	5.0	7.4	6.5	3.6	4.4	2.9	4.2	10.0	8.3	6.3	6.5	4.4	15.9	8.0	23	15.9	
29	4.8	4.9	6.0	6.1	6.8	7.7	7.9	7.0	7.0	7.5	9.1	12.0	10.5	4.9	4.3	4.8	6.4	5.2	2.0	3.6	3.7	5.7	5.5	5.3	24	12.0	
30																										0	
31																										0	
NO.:	29	29	29	29	29	29	29	29	29	29	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
MAX:	10.5	26.6	17.8	24.1	17.6	11.2	9.4	9.8	11.5	11.3	15.7	17.3	12.5	10.5	11.7	9.0	10.7	10.0	9.7	10.0	8.3	8.2	15.9	10.2			
AVG:	4.68	6.29	6.22	7.15	6.54	5.63	6.16	6.11	6.34	6.89	7.97	9.10	7.63	6.53	5.81	5.53	5.10	4.66	4.85	4.99	4.73	3.93	4.50	4.51			

MONTHLY OBSERVATIONS: 695 MONTHLY MEAN: 5.91 MONTHLY MAX: 26.6

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: MARCH 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	9.7	10.2	11.0	9.3	7.5	7.6	5.7	5.1	6.4	7.7	7.9	7.5	7.3	4.9	3.5	3.1	3.1	6.1	6.6	4.6	1.8	.4	4.2	5.9	24	11.0	
2	1.0	3.1	3.2	1.4	7.9	7.4	6.3	6.4	5.8	7.5	8.3	10.1	10.0	8.2	9.5	7.3	4.8	1.8	1.0	3.3	2.5	4.8	5.4	3.8	24	10.1	
3	4.2	5.8	6.5	6.4	5.1	2.0	3.8	6.4	5.2	4.1	5.5	6.5	10.6	11.6	9.2	6.5	3.7	5.8	4.1	1.3	-3.2	1.5	6.7	3.6	24	11.6	
4	4.5	7.6	9.4	8.8	7.4	6.2	6.1	7.2	7.0	7.2	11.1	18.1	10.5	6.3	4.1	5.5	3.2	2.5	4.9	7.3	9.6	7.9	3.9	1.6	24	18.1	
5	4.9	6.6	4.9	6.9	6.5	6.5	6.3	6.8	7.6	6.8	11.5	10.7	6.3	7.7	9.1	8.2	8.9	9.3	8.1	6.9	6.6	5.2	4.6	5.0	24	11.5	
6	5.5	9.3	10.7	9.1	8.4	7.8	6.2	6.1	6.9	6.6	6.0	6.6	6.7	7.1	6.8	9.2	11.0	9.9	10.4	12.0	32.1	23.7	13.0	23.6	24	32.1	
7	30.8	16.6	5.4	8.2	11.1	10.2	10.5	12.0	10.5	18.3	15.8	6.7	7.2	8.2	9.1	11.3	11.1	11.2	11.8	11.3	13.1	10.3	9.4	11.7	24	30.8	
8	10.2	10.2	11.1	10.7	11.5	16.8	11.1	10.5	7.8	6.6	9.6	16.9	82.7	8.8	11.2	13.3	11.4	6.9	10.3	15.8	13.6	8.0	5.7	9.4	24	82.7	
9	12.5	11.9	9.8	12.2	10.7	8.3	6.5	6.2	8.8	7.6	7.2	8.0	9.0	7.9	7.9	11.1	7.8	6.8	12.5	11.9	9.7	10.0	12.1	12.7	24	12.7	
10	8.4	7.5	8.1	7.7	7.1	6.1	8.3	9.1	7.9	7.3	6.6	9.2	10.8	10.2	7.7	5.5	5.7	8.8	11.0	9.3	7.4	7.2	9.9	9.8	24	11.0	
11	7.9	10.7	13.9	11.8	7.2	7.1	8.1	7.2	7.5	11.1	14.0	11.0	10.1	12.8	12.9	11.9	16.2	13.1	10.7	8.1	7.2	7.1	9.3	10.9	24	16.2	
12	8.5	9.5	10.2	7.3	8.6	10.5	9.0	9.9	9.8	7.4	9.9	10.2	11.5	14.0	11.3	10.2	7.3	5.7	5.2	4.7	6.4	8.8	10.3	8.4	24	14.0	
13	11.1	11.2	8.5	10.1	9.2	8.9	8.8	7.6	9.4	8.4	7.8	9.5	10.7	9.3	8.4	7.6	6.7	7.5	7.8	9.0	7.4	7.4	10.7	11.3	24	11.3	
14	9.5	7.1	8.3	10.1	8.8	7.5	7.7	6.7	6.6	8.4	7.5	9.4	10.1	7.0	8.4	8.6	7.4	7.6	9.5	10.7	9.0	10.0	10.8	9.8	24	10.8	
15	8.3	9.3	10.8	9.7	9.3	11.3	12.9	11.1	7.8	9.6	11.9	15.5	6.7	7.3	8.3	7.1	6.9	9.8	8.7	6.1	7.1	9.6	9.2	10.4	24	15.5	
16	12.8	8.8	6.5	9.5	9.9	9.3	10.4	9.9	9.2	9.2	7.0	8.8	11.6	11.6	8.9	9.3	11.4	9.1	8.9	8.9	8.0	6.0	6.6	7.9	24	12.8	
17	10.6	12.5	8.2	5.6	6.8	5.3	5.4	7.8	8.7	9.0	9.9	12.8	12.4	11.0	12.8	12.7	7.6	6.0	9.1	10.6	7.2	3.6	3.6	3.2	24	12.8	
18	1.6	1.0	2.2	3.8	3.2	5.0	8.1	9.9	8.7	5.5	5.1	10.0	11.2	8.7	5.1	3.6	6.7	6.7	5.9	7.2	7.1	5.5	4.4	4.9	24	11.2	
19	6.2	7.7	7.1	4.8	5.2	7.9	10.2	10.3	9.1	10.4	9.8	7.9	7.4	6.6	5.5	6.0	9.8	10.6	7.1	5.9	8.0	8.4	8.1	6.0	24	10.6	
20	5.6	6.2	5.6	6.0	5.3	5.2	6.8	4.4	2.6	3.3	6.5	10.1	9.0	6.3	4.9	4.1	4.4	5.8	6.7	6.8	4.7	3.1	6.7	9.3	24	10.1	
21	8.0	8.8	6.8	3.8	3.5	1.6	4.9	9.6	7.8	5.3	6.6	9.0	10.1	10.0	8.6	5.2	4.9	7.3	8.4	7.6	6.7	6.2	6.2	6.3	24	10.1	
22	10.0	49.5	5.8	7.1	8.6	10.3	9.0	9.9	12.0	7.5	5.4	8.2	8.8	7.6	9.6	9.0	7.1	6.1	5.3	9.1	8.3	3.6	3.4	3.7	24	49.5	
23	5.4	6.6	8.3	9.4	6.4	8.6	10.0	7.9	7.2	7.2	7.3	9.7	11.0	7.4	6.8	5.4	1.5	3.2	6.0	7.0	7.6	6.0	6.6	8.3	24	11.0	
24	7.3	8.1	9.6	8.5	8.8	6.7	6.0	9.1	8.3	6.4	9.7	10.6	11.0	10.6	10.7	11.4	9.3	8.6	11.0	13.1	10.7	5.3	5.9	7.9	24	13.1	
25	8.5	13.0	12.6	9.9	9.7	9.6	8.7	5.8	3.7	6.3	9.6	9.0	10.6	10.4	8.0	8.6	7.6	6.8	4.7	4.3	4.8	8.8	10.8	6.3	24	13.0	
26	6.6	8.6	7.5	8.6	6.5	3.5	5.5	8.3	8.9	8.5	6.1	4.7	6.4	5.9	8.3	10.6	7.5	5.3	5.6	7.1	9.7	10.6	9.8	7.4	24	10.6	
27	6.8	7.0	6.7	6.7	5.5	8.9	10.7	7.5	7.1	5.2	4.4	9.2	10.3	10.4	10.8	9.6	8.8	10.9	20.2	2.2	3.2	4.3	7.5	10.5	24	20.2	
28	8.6	7.4	6.3	10.2	10.2	6.8	7.8	9.0	12.8	13.5	13.7	19.4	17.1	16.3	11.6	11.7	13.3	16.9	13.2	12.5	9.5	7.2	7.0	8.3	24	19.4	
29	10.6	19.6	9.6	8.2	9.1	11.2	9.2	9.8	11.3	10.8	10.9	11.2	12.2	11.0	9.3	8.8	11.5	10.1	7.4	9.5	7.9	7.6	9.1	8.1	24	19.6	
30	7.1	8.9	8.7	8.9	8.0	5.2	8.0	7.8	5.1	6.9	9.7	17.1	16.2	11.1	11.3	7.6	7.0	7.7	8.0	12.0	11.4	6.2	3.1	7.4	24	17.1	
31	10.1	9.0	9.7	9.4	9.3	7.3	6.1	7.9	7.5	8.9	12.7	21.1	12.4	11.4	9.7	9.8	8.7	9.0	10.7	8.7	9.6	9.8	8.4	8.3	24	21.1	
NO.:	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	30.8	49.5	13.9	12.2	11.5	16.8	12.9	12.0	12.8	18.3	15.8	21.1	82.7	16.3	12.9	13.3	16.2	16.9	20.2	15.8	32.1	23.7	13.0	23.6			
AVG:	8.48	10.30	8.16	8.07	7.82	7.63	7.87	8.17	7.90	8.02	8.87	10.80	12.51	9.28	8.69	8.38	7.82	7.84	8.41	8.22	8.22	7.23	7.50	8.12			

MONTHLY OBSERVATIONS: 744 MONTHLY MEAN: 8.51 MONTHLY MAX: 82.7

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: APRIL 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	6.8	8.6	11.9	13.6	18.5	19.4	15.4	12.1	8.9	8.1	7.4	10.6	13.0	9.6	4.5	-2.2	-0.9	4.5	7.2	7.0	3.8	6.2	8.2	8.4	24	19.4	
2	7.8	5.1	5.9	7.0	7.2	7.3	8.6	7.6	6.3	4.4	5.9	8.5	7.1	9.1	12.2	11.3	8.3	7.3	8.8	7.8	6.7	9.6	12.4	11.0	24	12.4	
3	8.9	9.0	9.6	11.5	12.7	10.9	8.4	7.2	6.6	8.9	11.5	10.3	12.2	11.2	5.7	5.1	7.0	8.9	8.0	5.7	5.9	8.6	10.0	7.6	24	12.7	
4	6.6	8.4	8.4	7.2	7.5	8.1	6.7	6.5	6.8	7.6	10.2	20.2	12.2	10.7	9.1	16.6	2.4	6.1	7.1	6.0	6.5	6.5	4.1	1.4	24	20.2	
5	4.8	8.8	11.2	18.0	-1	3.4	7.4	9.5	10.5	11.9	13.4	12.1	10.4	7.7	5.6	8.1	7.8	7.1	9.9	9.6	9.5	11.3	13.6	14.0	24	18.0	
6	11.3	10.3	12.3	11.4	12.3	12.4	12.6	9.4	6.0	9.7	10.3	9.1	8.3	6.8	8.2	9.1	8.2	8.5	10.1	9.8	8.2	7.6	5.5	5.4	24	12.6	
7	7.7	10.2	10.0	7.7	7.3	7.5	7.0	7.5	7.6	9.2	9.2	6.9	7.4	10.6	10.9	12.1	13.1	11.5	10.3	9.2	9.4	10.0	10.6	9.9	24	13.1	
8	9.3	10.5	12.2	11.2	9.6	11.6	11.5	9.4	9.7	11.1	17.5	18.3	13.6	12.4	11.6	11.7	10.6	10.5	11.9	10.6	9.9	9.8	7.7	8.0	24	18.3	
9	8.6	11.0	12.2	11.1	7.5	8.3	9.9	6.6	8.1	10.6	13.3	14.4	14.0	13.9	13.5	13.6	12.5	12.0	11.9	16.4	13.4	12.1	9.0	6.7	24	16.4	
10	6.8	7.9	10.4	10.1	9.9	13.0	12.9	10.8	9.7	11.6	21.4	13.9	9.7	4.0	3.2	5.2	5.0	4.6	5.5	9.5	11.2	9.2	10.1	9.5	24	21.4	
11	8.0	8.5	9.6	9.2	9.7	6.6	5.2	7.6	6.7	9.6	12.6	10.4	7.6	10.2	14.2	13.8	12.0	7.6	6.2	5.5	3.0	5.4	7.0	7.0	24	14.2	
12	7.6	6.5	6.4	8.4	7.8	6.7	8.9	8.2	9.0	9.9	10.2	11.4	13.0	10.4	8.1	8.0	6.7	6.6	5.9	5.7	2.8	2.8	5.2	5.1	24	13.0	
13	7.1	9.4	10.2	11.1	10.4	7.6	7.0	11.4	11.4	9.4	10.7	21.1	13.2	12.7	12.6	13.7	13.3	11.5	9.9	10.3	12.4	13.6	17.7	17.7	24	21.1	
14	15.6	20.8	21.0	19.2	8.2	8.2	5.0	2.0	4.1	4.6	5.2	4.8	5.6	9.5	7.2	7.0	7.0	4.3	4.6	5.0	4.4	5.8	7.0	6.9	24	21.0	
15	5.6	6.3	6.6	5.8	8.8	7.5	4.5	3.7	5.3	9.0	9.9	9.6	9.5	16.8	10.0	11.3	11.7	10.9	9.3	10.3	27.2	11.0	10.2	7.9	24	27.2	
16	7.8	9.1	8.4	8.2	11.5	12.8	12.6	10.4	7.5	8.5	10.1	12.9	11.9	7.0	8.0	11.7	10.4	8.0	8.7	8.9	9.4	9.2	9.6	8.8	24	12.9	
17	7.0	8.3	10.2	11.7	13.6	22.0	26.5	10.9	11.9	11.7	BA	BA	12.3	12.9	8.7	6.1	8.6	7.9	4.7	5.1	9.1	9.4	10.0	10.7	22	26.5	
18	5.8	6.7	7.2	5.4	10.1	11.9	6.7	4.5	7.4	10.1	12.9	11.8	9.5	8.5	6.9	6.6	8.6	8.7	7.3	9.7	10.9	9.6	8.7	6.3	24	12.9	
19	1.9	3.1	7.5	8.3	10.9	11.7	10.8	10.9	11.4	12.6	17.1	7.3	6.4	6.5	7.5	5.8	6.8	5.9	2.6	3.5	6.1	8.7	10.6	10.7	24	17.1	
20	9.8	8.3	8.0	8.9	9.7	10.6	10.7	9.2	7.5	6.3	7.7	8.7	7.1	6.2	6.3	5.2	5.1	6.9	6.8	5.8	7.2	10.7	9.4	4.2	24	10.7	
21	3.9	8.3	7.1	3.8	4.9	7.4	7.0	5.1	6.8	8.8	8.3	7.5	8.6	9.0	8.4	8.5	10.5	12.1	10.6	8.1	8.6	11.5	11.4	7.4	24	12.1	
22	5.2	4.8	3.4	4.8	5.9	6.0	7.2	7.3	9.5	11.8	11.8	10.1	9.9	10.7	9.7	8.1	5.2	5.6	8.0	9.4	12.7	12.0	8.8	7.9	24	12.7	
23	7.8	7.5	5.9	2.8	3.7	5.8	4.6	6.2	9.7	16.6	7.7	8.2	5.9	6.1	8.8	8.3	7.8	10.0	12.0	9.8	9.3	9.3	9.4	10.4	24	16.6	
24	11.1	8.5	2.6	1.2	-4	5.6	10.8	11.3	12.1	19.8	18.5	3.4	5.2	5.6	5.4	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	15	19.8
25	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
26	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
27	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	9	23.7
28	15.2	12.2	12.6	16.7	9.4	10.0	11.3	11.7	11.5	17.1	10.7	9.5	8.4	8.3	7.2	4.8	5.1	4.0	4.8	5.8	4.7	4.2	.8	3.9	24	17.1	
29	7.9	8.5	6.5	6.7	9.4	8.7	8.4	7.8	9.1	8.9	8.8	10.2	8.4	8.1	10.1	10.0	8.2	8.7	11.8	12.1	10.6	10.6	4.3	1.2	24	12.1	
30	5.9	7.5	8.4	7.7	7.6	7.0	7.3	8.1	6.8	8.2	11.7	10.3	9.9	10.3	9.5	13.4	12.8	10.2	10.9	11.7	13.3	15.1	16.6	11.1	24	16.6	
31																										0	
NO.:	27	27	27	27	27	27	27	27	27	27	26	26	27	27	27	27	27	27	27	27	27	27	27	27	27		
MAX:	15.6	20.8	21.0	19.2	18.5	22.0	26.5	12.1	12.1	19.8	21.4	21.1	14.0	16.8	14.2	21.5	20.9	16.5	21.4	23.5	27.2	17.5	19.3	18.8			
AVG:	7.84	8.67	9.10	9.21	8.65	9.56	9.44	8.26	8.44	10.22	11.31	10.83	9.64	9.44	8.63	9.42	8.69	8.39	8.75	8.96	9.63	9.53	9.53	8.44			

MONTHLY OBSERVATIONS: 646 MONTHLY MEAN: 9.18 MONTHLY MAX: 27.2

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: MAY 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	11.1	12.0	11.1	10.9	11.5	10.9	11.4	11.7	12.8	13.7	13.5	10.7	9.5	10.7	12.6	13.6	12.9	11.6	11.4	9.8	6.4	6.4	9.4	10.3	24	13.7	
2	9.7	10.6	10.2	8.0	8.8	10.7	11.5	8.1	7.7	16.8	15.7	13.2	10.2	8.2	6.4	5.4	5.2	7.7	8.1	7.7	8.1	7.9	7.9	7.1	24	16.8	
3	6.6	4.9	6.2	9.1	8.7	6.4	6.0	9.6	11.9	13.2	12.6	8.0	6.1	7.4	9.9	12.6	13.7	13.1	11.7	10.6	7.9	8.1	11.0	10.1	24	13.7	
4	7.4	6.8	4.8	2.8	3.2	5.3	8.8	11.0	13.3	11.6	9.6	9.3	8.5	7.0	7.7	10.7	9.4	6.4	6.2	6.8	8.3	7.2	8.0	8.7	24	13.3	
5	7.0	8.4	8.6	4.7	4.2	9.2	12.4	13.8	21.2	22.7	21.7	17.7	15.4	12.6	11.0	10.8	16.3	12.3	12.7	11.6	8.6	5.2	2.6	6.1	24	22.7	
6	10.3	9.5	10.1	10.0	7.9	8.0	8.4	8.6	8.4	8.9	17.8	8.6	11.2	12.1	9.1	5.8	6.9	8.6	7.7	8.6	16.8	9.4	9.4	9.3	24	17.8	
7	10.7	12.3	12.1	12.8	12.7	11.2	10.2	10.8	12.9	14.4	12.1	15.9	10.7	9.6	8.8	8.0	6.5	7.6	10.1	12.2	11.4	8.9	6.9	10.2	24	15.9	
8	14.0	12.6	18.2	10.5	9.8	11.1	11.1	8.7	9.6	18.4	14.9	9.1	6.2	8.5	7.5	9.0	9.9	10.0	11.9	10.0	9.3	16.6	7.6	6.6	24	18.4	
9	5.8	3.3	3.4	7.1	8.4	8.4	8.0	8.6	11.1	13.6	33.2	8.7	9.1	9.2	7.5	6.2	6.8	8.7	9.4	9.5	7.8	6.4	8.9	9.5	24	33.2	
10	7.5	8.1	7.2	4.3	4.5	7.3	8.7	10.0	12.3	22.6	9.7	7.6	10.5	14.9	14.2	11.7	10.2	11.9	16.0	11.6	12.5	13.5	19.3	13.3	24	22.6	
11	11.7	11.3	11.8	11.5	11.1	8.3	7.4	10.4	14.8	22.2	11.0	13.1	12.1	11.4	13.0	13.1	12.1	9.7	8.2	9.1	12.1	12.7	12.8	11.2	24	22.2	
12	10.7	12.4	10.9	5.9	5.9	11.2	17.1	5.7	9.2	10.6	8.6	11.2	12.4	11.6	12.3	12.7	11.5	11.2	12.3	12.4	11.1	17.2	20.3	11.5	24	20.3	
13	9.9	7.4	7.0	7.8	8.8	10.0	10.6	9.9	9.8	11.9	12.5	9.6	9.6	11.6	9.6	9.1	11.4	11.8	11.5	11.2	10.2	16.3	12.7	9.9	24	16.3	
14	7.2	7.9	7.8	8.8	9.9	9.1	8.5	7.1	9.2	13.1	12.1	9.9	9.9	11.5	22.3	21.7	11.9	10.8	10.9	11.3	13.2	12.5	7.6	9.3	24	22.3	
15	11.2	10.5	11.4	9.7	7.1	8.9	8.7	9.5	13.1	11.7	10.9	13.8	15.1	14.6	19.4	21.9	15.0	15.2	12.2	11.1	14.4	13.3	11.4	12.3	24	21.9	
16	12.2	10.6	10.4	7.4	4.3	4.4	5.7	8.0	9.8	19.3	10.2	11.6	11.9	9.7	10.4	10.8	9.7	10.8	10.5	9.4	11.8	8.8	5.6	9.3	24	19.3	
17	10.9	9.0	7.4	9.3	8.3	7.6	9.3	8.8	18.4	15.9	13.7	13.7	12.7	9.9	18.1	9.9	17.6	11.0	13.2	12.2	11.3	13.5	13.6	17.2	24	18.4	
18	15.4	15.3	14.0	13.9	12.8	10.6	11.1	11.4	9.4	10.1	9.6	9.8	11.6	9.2	10.4	12.8	10.3	9.4	9.4	6.8	7.8	8.7	6.2	8.4	24	15.4	
19	7.7	5.3	8.4	10.4	10.4	10.4	10.6	9.6	9.4	17.8	16.4	13.1	11.5	10.3	9.9	9.8	12.1	12.1	13.1	13.9	13.4	17.8	11.4	8.7	24	17.8	
20	6.9	8.8	10.4	8.0	9.1	11.0	9.9	12.4	13.3	16.4	11.1	16.5	12.2	13.5	13.2	9.7	7.7	11.5	13.4	9.9	10.4	13.8	12.0	9.1	24	16.5	
21	8.1	7.2	4.6	5.8	9.7	10.9	16.1	12.1	13.1	14.6	13.8	11.2	9.5	11.1	13.7	14.1	21.2	14.9	14.2	11.0	9.8	11.1	11.0	10.3	24	21.2	
22	9.9	10.2	10.9	8.2	5.4	6.8	5.4	4.5	10.0	11.8	11.8	11.4	6.3	7.4	9.6	5.9	7.3	9.4	17.2	3.6	5.2	11.3	19.3	13.3	24	19.3	
23	20.6	23.9	12.0	6.5	2.8	9.4	23.9	19.6	10.9	11.4	12.7	15.0	18.5	16.3	13.4	17.5	7.1	6.9	10.1	12.6	11.3	10.8	10.8	10.7	24	23.9	
24	8.8	5.0	4.6	5.1	5.9	7.4	4.4	3.6	6.6	8.2	8.4	8.1	7.6	6.8	4.9	3.3	3.5	5.9	5.7	4.9	7.0	7.3	8.7	9.8	24	9.8	
25	11.3	11.4	9.7	10.6	11.2	12.5	11.9	10.7	12.4	13.8	16.8	12.7	12.2	11.6	11.4	12.4	11.0	7.5	8.8	10.6	10.6	10.5	10.7	19.7	24	19.7	
26	15.9	15.4	14.8	10.6	8.1	9.8	8.9	9.1	8.5	7.1	6.0	6.1	7.1	5.5	2.9	2.0	3.7	5.0	4.4	2.8	2.1	1.7	3.3	5.3	24	15.9	
27	5.2	4.0	3.4	4.0	2.5	1.7	2.2	3.6	3.9	7.7	8.3	4.1	5.0	5.1	3.8	.8	2.3	4.9	3.1	3.5	5.1	3.4	1.4	1.5	24	8.3	
28	2.8	5.3	5.6	4.1	5.1	8.4	7.7	5.3	5.4	7.1	8.5	6.6	5.4	6.9	7.0	7.2	7.8	6.9	6.4	8.0	6.7	7.4	9.4	6.5	24	9.4	
29	1.6	2.1	4.3	4.9	6.3	7.2	6.7	6.1	6.8	8.0	11.3	11.3	11.1	7.9	4.3	1.4	5.1	8.5	6.9	6.0	6.7	8.8	7.9	5.0	24	11.3	
30	2.2	.8	2.7	6.2	7.8	6.1	5.0	7.6	9.4	9.2	9.6	9.2	9.4	9.0	7.8	6.8	8.2	8.8	7.5	9.1	11.6	12.1	10.5	9.4	24	12.1	
31	9.1	9.1	8.4	5.2	4.4	6.0	5.9	7.0	8.4	11.7	13.3	11.1	8.4	9.2	12.3	9.9	7.6	6.2	5.4	3.9	.2	1.3	4.2	4.2	24	13.3	
NO.:	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		
MAX:	20.6	23.9	18.2	13.9	12.8	12.5	23.9	19.6	21.2	22.7	33.2	17.7	18.5	16.3	22.3	21.9	21.2	15.2	17.2	13.9	16.8	17.8	20.3	19.7			
AVG:	9.34	9.08	8.79	7.87	7.63	8.59	9.47	9.13	10.74	13.40	12.82	10.90	10.22	10.01	10.46	9.89	9.74	9.56	9.99	9.09	9.33	10.00	9.74	9.48			

MONTHLY OBSERVATIONS: 744 MONTHLY MEAN: 9.80 MONTHLY MAX: 33.2

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: JUNE 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	3.8	3.9	2.6	5.5	6.0	3.6	1.8	4.5	6.6	3.6	1.9	.4	1.1	4.3	4.4	1.3	4.0	6.0	3.7	2.7	4.3	5.1	3.6	4.5	24	6.6	
2	4.9	7.3	5.8	4.4	6.4	5.8	4.5	4.0	3.2	3.1	6.9	9.2	10.1	9.2	7.0	8.3	10.1	9.9	9.6	9.3	8.6	8.6	11.1	10.5	24	11.1	
3	9.7	10.7	9.0	8.4	11.0	10.4	11.6	11.8	9.2	6.7	5.2	7.7	8.7	9.9	10.5	9.6	9.1	8.8	10.4	11.2	10.5	12.1	13.1	11.7	24	13.1	
4	10.8	10.5	9.0	7.3	8.9	11.2	7.1	7.0	17.8	11.5	10.7	9.1	8.7	8.6	7.6	7.5	8.4	8.8	10.6	13.3	10.7	8.5	9.1	8.9	24	17.8	
5	8.8	8.2	8.1	7.2	5.2	5.2	7.7	8.2	8.3	9.7	10.0	8.4	8.5	8.9	5.6	4.6	5.6	6.2	5.6	6.5	6.5	7.0	10.0	8.7	24	10.0	
6	6.3	6.6	5.4	4.0	2.8	2.1	5.1	6.0	6.2	11.1	10.9	5.4	2.1	2.9	5.9	4.6	2.7	1.7	2.6	4.8	5.6	6.5	6.5	3.6	24	11.1	
7	1.6	2.3	4.4	2.9	-1.0	3.0	4.9	3.9	5.7	8.2	8.1	4.7	3.7	5.1	5.7	5.1	5.6	4.5	4.0	3.9	2.7	3.8	6.1	4.4	24	8.2	
8	2.7	3.7	2.5	1.4	1.2	2.1	5.2	7.4	9.3	8.3	7.2	6.5	3.7	2.2	4.4	8.3	7.2	7.5	8.8	7.2	7.4	6.8	7.5	8.4	24	9.3	
9	8.0	6.4	5.4	6.9	6.8	8.2	7.8	7.1	9.1	10.8	12.3	9.9	7.3	8.2	8.8	8.0	8.6	10.4	10.2	5.6	6.0	24.9	55.6	39.7	24	55.6	
10	23.6	13.3	8.3	6.9	8.0	5.3	6.0	6.0	6.5	9.4	8.5	6.7	6.7	6.1	4.8	2.5	1.9	3.1	3.8	3.5	3.3	5.8	6.4	5.1	24	23.6	
11	3.3	.1	.2	2.9	4.1	4.4	2.6	.9	4.0	6.6	3.4	2.2	4.1	4.6	5.9	4.7	4.6	2.5	2.6	5.9	5.2	7.9	10.4	8.4	24	10.4	
12	5.8	1.7	1.1	3.4	4.7	3.9	4.7	4.4	3.5	6.1	6.4	8.2	6.7	7.5	10.5	8.9	6.7	7.6	9.1	8.9	6.7	7.0	7.2	4.7	24	10.5	
13	4.4	3.3	3.3	3.5	-1.1	.4	4.0	6.1	10.0	11.3	7.9	5.0	3.0	5.4	6.9	4.4	5.4	6.6	5.7	5.0	4.6	5.8	9.3	10.9	24	11.3	
14	9.0	7.2	7.5	8.0	6.3	5.3	6.1	5.1	6.9	9.4	7.3	6.1	5.6	6.8	7.9	7.5	8.3	7.1	6.1	5.3	6.1	7.1	6.2	6.5	24	9.4	
15	6.9	7.1	5.9	5.0	4.9	4.1	4.2	3.6	6.5	6.7	6.7	6.3	4.6	6.1	5.1	6.1	7.6	6.5	7.8	9.7	10.6	10.4	10.3	9.7	24	10.6	
16	8.4	8.5	9.4	11.2	25.3	18.3	10.2	9.0	10.1	13.3	16.4	16.5	10.3	12.3	10.2	8.6	11.3	11.2	10.3	7.6	7.3	9.1	9.3	8.7	24	25.3	
17	7.5	8.2	8.7	6.6	6.3	5.3	3.4	5.2	5.4	5.0	5.9	9.1	15.9	11.2	9.9	7.4	7.7	8.1	7.2	8.1	10.7	11.7	8.4	6.4	24	15.9	
18	8.7	6.9	4.0	4.3	4.8	5.4	4.9	6.4	6.6	5.6	7.3	6.6	5.3	5.8	6.1	5.1	6.4	8.3	6.6	6.4	8.8	10.3	8.9	6.7	24	10.3	
19	7.3	8.9	6.9	4.1	5.4	7.3	6.3	5.1	6.6	8.8	8.8	8.8	8.6	8.1	8.3	9.5	8.8	8.8	10.4	11.0	10.4	9.1	9.0	10.0	24	11.0	
20	8.8	8.8	10.7	11.3	10.3	7.4	9.5	10.4	5.7	5.7	4.8	5.2	7.4	7.3	8.0	6.2	6.9	8.6	8.1	7.5	6.0	8.8	9.9	7.1	24	11.3	
21	6.8	5.4	5.2	7.6	6.3	4.4	5.8	6.9	6.2	6.2	6.3	6.7	7.1	6.7	9.3	11.2	9.7	7.8	6.5	9.2	11.9	10.4	11.1	11.6	24	11.9	
22	9.5	8.1	7.5	8.1	7.8	6.3	7.4	10.3	9.2	7.5	11.2	12.9	12.1	9.8	9.0	9.9	7.7	5.3	8.5	9.5	7.5	8.7	9.5	7.3	24	12.9	
23	6.3	9.3	7.9	5.5	5.3	6.3	7.1	5.9	5.4	6.9	6.5	4.7	6.4	7.8	7.2	9.9	9.6	9.2	8.9	6.5	7.0	8.0	8.2	8.0	24	9.9	
24	8.9	8.5	6.9	6.8	7.5	5.1	3.8	6.0	5.8	6.3	7.5	6.3	7.2	7.4	7.2	7.2	7.3	8.8	8.2	8.5	6.8	8.1	11.7	8.2	24	11.7	
25	6.3	9.3	7.5	6.1	7.6	6.7	7.1	6.0	5.9	7.5	8.8	12.4	13.8	11.9	10.5	9.7	9.9	12.9	11.1	5.6	6.8	10.1	11.8	10.7	24	13.8	
26	6.6	5.4	7.4	7.4	6.5	4.7	4.0	5.9	4.9	4.0	4.4	7.7	5.5	3.2	9.6	8.9	6.4	7.9	9.6	8.8	4.9	3.9	4.5	3.4	24	9.6	
27	2.0	3.5	7.9	7.8	3.5	2.8	4.7	6.2	5.6	4.0	3.0	2.5	4.2	5.0	2.5	4.3	6.5	7.6	8.9	8.6	8.5	4.8	2.6	3.6	24	8.9	
28	4.9	7.2	7.5	6.0	3.9	5.8	6.4	6.0	6.9	6.9	9.2	10.3	6.7	4.7	7.1	9.1	9.4	9.2	7.1	4.5	6.6	8.3	7.2	7.1	24	10.3	
29	8.6	8.2	5.8	5.8	6.1	7.4	6.9	6.5	6.4	7.7	7.6	6.6	8.3	6.9	5.9	7.3	10.8	9.7	7.2	7.8	6.7	7.3	8.4	6.2	24	10.8	
30	6.2	8.7	7.1	4.2	4.0	4.3	4.4	3.5	3.1	6.3	7.3	3.5	1.5	5.9	10.2	8.4	6.1	5.5	5.6	6.9	7.4	7.2	7.9	7.6	24	10.2	
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	23.6	13.3	10.7	11.3	25.3	18.3	11.6	11.8	17.8	13.3	16.4	16.5	15.9	12.3	10.5	11.2	11.3	12.9	11.1	13.3	11.9	24.9	55.6	39.7			
AVG:	7.21	6.91	6.30	6.02	6.19	5.75	5.84	6.18	6.89	7.47	7.61	7.19	6.83	6.99	7.40	7.14	7.34	7.53	7.49	7.31	7.20	8.44	10.03	8.61			

MONTHLY OBSERVATIONS: 720 MONTHLY MEAN: 7.16 MONTHLY MAX: 55.6

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: JULY 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	7.4	7.4	7.3	6.4	5.7	6.1	5.3	6.1	5.6	6.7	6.7	5.2	8.3	9.3	6.4	6.0	6.4	6.2	9.1	8.8	5.8	4.9	6.7	6.6	24	9.3	
2	6.2	6.6	6.0	6.1	5.0	5.2	7.8	8.8	7.6	6.5	6.5	7.0	7.1	6.8	8.6	10.1	9.4	9.6	11.2	9.9	7.9	8.3	9.8	8.8	24	11.2	
3	7.9	8.4	8.4	8.9	9.1	8.1	7.6	9.6	8.9	8.9	9.0	10.7	14.7	12.5	9.9	10.5	12.2	11.9	10.6	10.4	8.9	9.4	10.3	11.9	24	14.7	
4	12.3	8.3	8.2	10.9	9.0	7.7	7.9	8.9	11.8	11.7	11.1	11.1	9.7	11.2	12.5	12.9	12.6	11.4	12.3	13.3	13.4	10.4	11.7	12.8	24	13.4	
5	8.9	9.2	10.1	9.9	10.1	8.0	6.6	8.7	9.9	9.9	10.6	7.9	5.8	7.2	5.8	6.7	9.9	8.2	6.2	5.9	5.6	6.5	5.4	4.9	24	10.6	
6	6.5	7.8	9.6	9.4	9.4	9.8	12.7	26.6	23.0	19.8	12.7	11.8	7.2	5.6	5.1	4.9	8.9	9.6	6.8	6.2	5.9	3.0	5.4	7.9	24	26.6	
7	7.9	10.6	8.4	3.5	3.9	5.7	6.3	8.1	10.4	11.2	10.2	8.6	5.9	6.0	8.9	9.1	8.3	7.2	7.3	6.4	6.6	8.1	7.9	8.3	24	11.2	
8	7.6	7.8	10.2	11.6	12.6	11.6	10.0	11.7	13.9	13.4	12.4	10.9	7.4	7.9	8.3	7.6	6.8	5.6	9.2	9.7	5.5	6.3	9.8	8.7	24	13.9	
9	4.5	4.6	10.3	12.3	12.9	14.9	14.3	13.0	10.5	9.8	8.7	7.0	7.6	7.2	8.3	12.1	10.7	17.1	-0.7	3.4	6.3	5.1	3.7	5.7	24	17.1	
10	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	AQ	0		
11	8.1	10.0	8.6	5.8	6.4	8.0	8.9	11.0	10.4	8.7	9.5	7.7	5.5	7.3	18.0	9.6	9.8	2.3	-2.1	3.3	6.2	6.5	7.0	8.2	24	18.0	
12	8.9	9.2	7.9	8.0	6.5	7.3	10.8	8.7	7.0	7.6	8.3	20.3	18.0	17.3	14.9	16.4	9.9	12.2	31.9	35.7	18.9	25.6	33.3	35.9	24	35.9	
13	28.1	28.5	29.0	24.1	33.1	29.1	34.2	33.0	30.1	32.8	30.8	28.6	13.1	14.3	15.1	11.4	8.2	8.9	8.6	5.7	5.5	8.0	7.0	7.5	24	34.2	
14	8.0	7.0	7.7	8.1	8.3	10.3	9.9	9.8	8.5	7.3	9.3	8.9	6.5	4.8	5.1	6.3	9.8	9.4	7.0	8.2	9.1	9.1	6.1	2.8	24	10.3	
15	6.0	9.1	6.2	7.0	7.6	6.9	7.3	7.0	10.2	8.5	7.8	9.1	6.6	5.9	7.7	8.0	6.8	5.9	5.4	4.9	4.4	6.5	7.0	8.1	24	10.2	
16	9.8	9.1	5.6	2.6	3.3	6.7	9.2	6.9	4.9	6.7	9.5	10.7	9.4	9.7	10.7	10.1	9.8	9.0	9.9	10.5	10.0	8.8	6.0	4.2	24	10.7	
17	6.5	7.8	7.3	6.2	3.9	5.4	7.2	7.6	7.6	7.6	7.6	7.4	7.5	8.3	7.1	6.4	8.6	8.8	10.2	10.9	9.5	7.9	6.0	6.9	24	10.9	
18	9.6	9.5	8.7	10.3	10.4	9.2	7.1	4.4	4.4	6.3	5.8	7.5	8.7	6.7	4.8	7.8	8.9	6.7	7.4	7.4	7.8	7.0	7.8	9.4	24	10.4	
19	8.1	8.4	8.6	8.2	6.1	2.6	3.6	5.0	6.2	6.9	4.9	2.7	5.3	9.2	7.6	5.7	6.5	7.3	7.0	3.4	3.3	6.2	4.8	6.9	24	9.2	
20	8.9	4.5	3.4	5.1	4.1	3.5	3.5	6.0	6.9	5.1	6.4	6.2	7.2	7.8	4.7	4.6	6.6	6.6	8.4	8.4	4.7	5.4	7.5	6.7	24	8.9	
21	5.5	4.6	6.3	7.5	7.0	7.9	6.2	5.2	8.0	7.0	6.3	7.3	6.6	6.1	5.4	5.5	5.7	6.1	7.5	6.3	4.8	5.5	5.8	7.1	24	8.0	
22	4.6	3.3	5.8	7.3	6.8	6.3	7.8	7.4	5.3	3.6	4.2	4.3	4.7	5.0	5.7	5.4	4.5	5.0	5.1	6.5	5.0	3.9	7.7	8.5	24	8.5	
23	5.4	7.8	9.4	7.6	7.1	7.2	7.9	8.7	9.6	9.4	7.3	4.6	3.8	4.2	3.6	.0	-0.5	1.4	2.2	4.1	4.7	4.1	2.8	2.9	24	9.6	
24	4.0	3.8	1.9	3.6	6.6	6.2	4.5	4.4	3.2	3.2	3.2	7.2	10.7	7.8	5.3	1.1	3.3	5.7	6.4	6.1	3.5	4.8	6.4	5.9	24	10.7	
25	6.7	7.4	10.3	10.5	9.3	7.1	6.6	8.0	6.4	7.6	9.3	10.3	11.4	8.0	6.9	9.8	9.3	7.6	6.4	6.2	8.3	8.5	4.7	5.0	24	11.4	
26	6.3	4.0	4.5	4.7	4.8	7.6	7.3	5.2	6.9	7.4	7.3	6.1	3.0	4.0	6.7	7.8	6.4	6.1	4.9	5.0	7.1	6.3	3.7	4.4	24	7.8	
27	4.5	4.9	5.1	4.2	5.4	5.4	5.6	5.2	7.1	6.6	5.4	7.4	9.0	7.6	10.1	11.9	10.3	9.0	6.8	6.9	7.8	8.5	8.1	7.8	24	11.9	
28	8.8	9.0	7.1	6.9	7.3	6.6	4.7	4.9	5.9	6.6	5.6	2.3	3.5	5.1	1.6	3.3	8.5	6.4	9.6	10.4	5.9	7.1	7.3	6.2	24	10.4	
29	7.3	6.1	3.9	3.5	3.2	3.8	5.4	5.9	3.7	1.6	3.6	7.6	5.6	4.7	6.2	6.7	9.3	8.3	6.1	6.1	6.0	8.1	6.3	3.7	24	9.3	
30	4.2	3.9	2.0	2.1	6.9	7.5	3.7	3.7	3.9	2.1	4.2	5.6	4.3	5.4	4.7	4.1	9.8	9.2	6.1	5.6	4.2	5.5	8.1	7.9	24	9.8	
31	8.1	6.2	6.9	9.8	8.6	7.6	6.7	8.1	9.3	9.3	9.3	6.6	5.7	6.5	10.2	13.4	11.5	12.2	13.1	11.2	9.3	8.3	8.5	7.3	24	13.4	
NO.:	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
MAX:	28.1	28.5	29.0	24.1	33.1	29.1	34.2	33.0	30.1	32.8	30.8	28.6	18.0	17.3	18.0	16.4	12.6	17.1	31.9	35.7	18.9	25.6	33.3	35.9			
AVG:	7.89	7.83	7.82	7.74	8.01	7.98	8.22	8.92	8.90	8.66	8.45	8.62	7.66	7.65	7.86	7.84	8.27	8.03	8.00	8.23	7.06	7.45	7.75	7.96			

MONTHLY OBSERVATIONS: 720 MONTHLY MEAN: 8.03 MONTHLY MAX: 35.9

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: AUGUST 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	7.4	10.0	7.8	7.1	8.3	7.1	7.6	6.8	5.7	7.2	9.1	9.3	8.6	7.2	9.6	9.5	7.4	7.8	7.1	6.2	8.1	8.3	5.0	7.9	24	10.0	
2	9.3	8.2	12.7	11.9	7.8	6.9	7.1	6.6	6.4	5.9	4.8	7.4	9.3	7.3	5.2	7.2	10.1	9.6	9.6	9.8	8.1	7.2	9.1	9.1	24	12.7	
3	8.4	9.6	8.5	5.9	4.5	5.4	6.4	6.4	8.4	10.5	9.3	9.8	8.3	6.4	9.1	9.3	8.1	9.3	9.5	7.3	4.9	2.7	3.3	6.4	24	10.5	
4	8.1	8.4	10.2	7.8	5.5	9.3	10.4	7.1	7.8	8.0	4.3	6.7	11.9	10.5	9.3	9.6	9.5	9.0	8.3	8.7	6.8	7.1	10.1	11.4	24	11.9	
5	10.2	8.1	10.3	11.9	11.4	10.2	9.6	10.7	9.3	10.3	10.4	7.4	9.6	11.1	16.4	12.3	16.1	10.0	9.3	10.3	12.7	13.6	10.9	6.9	24	16.4	
6	9.9	14.0	10.3	9.9	13.4	13.0	8.0	6.9	7.6	9.3	10.8	10.8	11.2	11.5	12.1	9.4	11.0	11.0	9.7	16.2	11.2	10.0	8.8	9.1	24	16.2	
7	10.8	12.9	13.1	10.9	7.9	9.3	10.5	9.5	7.6	7.5	7.6	7.5	4.7	4.5	5.4	6.1	3.8	6.9	8.5	4.7	5.6	5.1	4.5	6.0	24	13.1	
8	9.1	10.7	7.1	5.6	4.9	3.7	2.3	4.5	7.8	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	9	10.7	
9	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
10	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
11	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
12	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
13	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
14	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	5.6	5.6	3.8	6.2	10.3	10.0	9.6	10.8	12.9	12.1	10.8	12.5	12	12.9	
15	13.8	10.2	7.1	7.2	9.8	9.0	7.8	8.1	10.1	11.7	9.6	10.8	11.2	9.6	10.3	10.7	8.6	8.6	9.4	12.7	15.5	14.0	10.7	9.6	24	15.5	
16	12.0	12.4	11.9	10.4	7.3	7.1	8.3	7.6	7.2	10.3	11.7	12.6	20.1	15.8	15.9	18.1	11.5	12.0	12.0	11.8	13.0	15.0	21.6	11.2	24	21.6	
17	10.8	11.9	10.2	7.9	8.8	10.2	8.5	7.1	7.4	8.9	10.5	10.8	10.9	7.8	7.4	9.3	10.1	12.9	12.6	11.6	14.3	13.3	11.0	12.6	24	14.3	
18	10.7	8.3	6.7	8.6	11.2	8.8	8.8	9.7	6.3	4.8	7.9	11.0	11.2	8.3	7.4	8.6	8.6	8.4	11.0	11.4	9.8	10.3	9.3	7.4	24	11.4	
19	7.6	7.7	8.6	7.6	6.9	7.1	6.8	10.8	9.5	6.7	8.6	8.6	7.3	5.5	6.9	6.2	7.4	9.6	10.8	12.2	10.3	10.1	10.3	9.6	24	12.2	
20	9.9	10.7	8.3	5.7	5.9	6.2	6.8	5.2	4.5	7.7	9.5	8.0	4.9	5.7	5.9	5.5	7.9	8.6	9.3	8.8	9.3	10.0	8.8	7.8	24	10.7	
21	9.8	12.8	9.7	7.3	7.5	7.5	7.3	9.1	11.4	11.4	11.4	10.7	9.7	6.9	8.3	9.2	6.8	5.1	4.9	6.8	5.8	5.9	7.5	7.2	24	12.8	
22	5.8	3.5	5.5	10.0	8.9	5.0	2.0	2.7	3.4	4.7	7.0	5.5	3.4	2.7	4.4	5.1	4.8	3.9	5.1	5.8	3.5	5.3	4.8	3.9	24	10.0	
23	4.8	3.9	3.5	6.1	6.1	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	5	6.1	
24	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
25	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
26	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
27	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
28	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
29	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
30	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
31	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
NO.:	17	17	17	17	17	16	16	16	16	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16		
MAX:	13.8	14.0	13.1	11.9	13.4	13.0	10.5	10.8	11.4	11.7	11.7	12.6	20.1	15.8	16.4	18.1	16.1	12.9	12.6	16.2	15.5	15.0	21.6	12.6			
AVG:	9.32	9.61	8.91	8.34	8.01	7.86	7.39	7.43	7.53	8.33	8.83	9.13	9.24	7.90	8.59	8.89	8.88	8.92	9.17	9.69	9.49	9.38	9.16	8.66			

MONTHLY OBSERVATIONS: 386 MONTHLY MEAN: 8.69 MONTHLY MAX: 21.6

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: SEPTEMBER 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
2	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
3	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	0	
4	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	10.8	11.6	9.5	9.3	8.7	5.9	5.2	7.1	7.3	5.8	4.3	8.9	11.3	7.7	14	11.6	
5	4.6	1.3	2.8	7.3	6.3	3.6	.6	4.1	8.4	2.6	.0	3.2	4.9	4.4	2.9	2.6	4.9	4.7	5.0	8.0	7.1	7.1	6.5	3.9	24	8.4	
6	3.2	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	AN	9.6	2.9	2.0	2.6	5.8	9.9	7.2	8	9.9	
7	5.4	5.6	6.1	7.5	6.4	7.1	7.1	7.7	5.3	4.4	4.3	1.3	3.2	3.7	2.7	1.1	2.5	4.2	4.4	3.9	2.9	1.6	3.5	5.8	24	7.7	
8	4.3	1.8	3.2	4.6	3.5	4.9	5.6	6.3	4.9	5.6	4.8	3.0	4.1	2.3	2.5	4.4	2.3	4.2	5.4	5.9	6.3	4.9	5.7	6.6	24	6.6	
9	6.3	5.1	4.6	4.2	6.1	4.8	2.5	5.0	7.5	5.4	4.7	4.9	4.2	4.2	3.2	2.0	3.5	4.4	3.7	4.6	4.1	3.4	3.7	5.2	24	7.5	
10	8.3	8.8	8.7	7.5	5.1	5.6	6.0	4.6	3.8	6.4	8.8	8.0	7.9	11.5	14.4	17.5	15.3	15.3	15.7	6.6	6.6	7.6	8.0	8.6	24	17.5	
11	10.6	8.4	4.6	4.8	3.9	3.9	3.0	4.7	7.0	7.0	5.4	5.6	4.4	4.9	4.1	2.1	4.0	5.5	2.9	3.2	4.5	1.0	1.6	5.6	24	10.6	
12	4.7	-1.4	-1.8	-1.8	-1.8	-1.8	-4.1	2.1	6.3	4.7	4.6	2.3	4.0	6.6	5.3	3.7	3.7	4.1	2.5	5.0	9.2	8.4	4.9	4.2	24	9.2	
13	5.3	4.7	6.1	7.3	7.8	6.5	3.7	2.9	1.6	4.3	8.0	6.2	1.5	2.4	6.3	5.6	4.7	5.9	6.0	3.7	5.5	8.3	9.0	9.0	24	9.0	
14	9.5	9.7	6.7	8.9	11.8	8.5	6.7	9.3	7.8	6.6	8.3	16.1	12.6	10.6	7.5	6.9	9.4	11.4	9.8	8.1	10.8	12.9	13.8	12.7	24	16.1	
15	10.2	9.3	10.3	7.0	4.8	9.2	7.4	9.4	12.9	8.4	6.4	8.1	9.8	9.7	7.8	7.5	5.6	5.7	8.5	7.1	8.0	8.5	8.0	8.2	24	12.9	
16	5.5	2.2	3.0	6.1	5.1	4.6	4.6	3.0	4.9	7.3	9.0	9.7	9.3	10.2	9.3	9.4	6.7	3.3	6.4	6.8	7.1	8.5	7.7	6.3	24	10.2	
17	5.5	8.6	9.7	7.0	5.8	3.1	1.6	5.7	6.7	4.2	5.2	7.8	9.2	8.7	6.3	5.7	6.8	7.6	8.1	8.9	11.2	11.0	12.0	13.5	24	13.5	
18	12.3	10.4	9.6	11.7	11.3	8.5	8.8	8.8	8.0	8.3	8.4	10.9	7.9	5.7	8.3	8.1	9.5	9.1	10.7	10.9	7.8	8.5	9.1	11.2	24	12.3	
19	13.3	13.0	10.2	10.0	10.8	11.7	12.1	10.6	13.4	14.3	13.0	11.6	8.6	9.5	9.3	11.0	12.0	8.3	8.0	8.1	11.0	11.6	9.8	9.8	24	14.3	
20	10.5	10.6	8.7	6.0	4.7	5.1	5.4	6.2	8.1	10.3	11.4	10.8	6.6	7.4	8.9	5.2	8.1	8.2	4.4	3.0	4.5	6.1	6.8	5.1	24	11.4	
21	5.7	8.4	5.6	4.7	4.7	4.9	5.2	5.3	8.1	10.5	10.9	8.8	6.9	8.4	9.5	7.8	6.4	6.6	6.6	6.7	8.6	9.8	10.1	11.0	24	11.0	
22	11.6	9.5	7.8	7.9	9.1	10.0	9.8	10.1	10.1	10.8	11.0	10.3	11.7	12.2	11.4	8.3	6.5	8.8	8.5	6.8	4.3	6.7	9.3	8.5	24	12.2	
23	8.5	7.9	10.0	9.2	7.1	7.8	7.7	5.1	4.8	7.6	7.7	4.9	4.9	5.4	4.0	5.0	6.5	4.2	4.8	6.9	7.8	8.3	7.9	9.8	24	10.0	
24	9.7	5.8	3.7	2.5	3.5	4.4	3.0	3.0	2.6	4.8	6.9	6.7	8.8	9.3	7.8	7.8	7.4	7.3	5.5	7.9	10.7	8.7	6.0	3.8	24	10.7	
25	5.3	3.2	1.8	4.0	3.7	3.5	3.0	4.4	3.2	3.2	4.3	AN	AN	5.1	2.8	4.5	5.8	1.8	1.7	5.4	5.7	7.0	5.2	.1	22	7.0	
26	2.3	4.5	7.4	8.0	4.3	1.1	3.3	6.4	7.6	8.0	7.3	7.9	3.4	2.5	2.8	4.2	5.5	1.3	1.6	4.8	7.8	8.5	6.3	3.9	24	8.5	
27	4.3	6.5	4.6	3.6	6.8	6.3	4.9	3.4	2.8	5.4	6.3	4.4	3.7	5.4	6.3	5.3	3.2	3.9	8.8	8.5	8.6	10.2	7.2	5.4	24	10.2	
28	7.3	8.2	5.4	7.4	9.0	7.8	6.6	6.3	5.4	5.4	6.3	5.6	6.3	4.4	5.8	9.4	6.8	6.2	8.8	9.3	11.3	13.3	13.3	13.2	24	13.3	
29	8.6	5.0	6.9	7.6	7.3	6.4	7.9	9.5	7.8	9.0	7.8	6.9	8.3	7.3	7.3	7.7	5.8	3.4	8.1	10.3	11.0	11.7	6.1	4.6	24	11.7	
30	4.2	5.8	9.8	11.1	9.5	7.8	8.6	10.2	9.2	8.1	8.7	6.6	6.9	9.8	9.4	6.1	6.7	9.5	9.6	10.5	11.2	10.1	11.4	10.2	24	11.4	
31																										0	
NO.:	26	25	25	25	25	25	25	25	25	25	26	25	25	26	26	26	26	26	27	27	27	27	27	27	27		
MAX:	13.3	13.0	10.3	11.7	11.8	11.7	12.1	10.6	13.4	14.3	13.0	16.1	12.6	12.2	14.4	17.5	15.3	15.3	15.7	10.9	11.3	13.3	13.8	13.5			
AVG:	7.19	6.52	6.22	6.56	6.26	5.86	5.24	6.16	6.73	6.90	7.32	7.33	6.74	6.96	6.72	6.34	6.34	6.36	6.51	6.62	7.43	8.09	7.93	7.45			

MONTHLY OBSERVATIONS: 620 MONTHLY MEAN: 6.75 MONTHLY MAX: 17.5

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: OCTOBER 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	8.4	11.7	10.6	7.5	6.3	6.1	6.9	8.6	9.5	9.2	8.4	5.6	6.6	6.7	4.5	7.9	9.7	6.6	7.8	8.8	8.8	9.1	11.7	11.9	24	11.9
2	11.2	10.0	8.3	9.5	7.7	5.9	5.2	6.9	7.3	7.3	7.9	9.4	7.0	5.7	7.6	9.5	7.6	7.3	7.4	9.6	10.4	8.4	10.5	10.5	24	11.2
3	10.4	8.7	5.3	4.2	4.8	3.2	3.5	5.9	6.8	6.7	9.8	11.1	7.5	5.4	5.7	9.0	8.5	8.0	7.8	8.9	11.4	9.1	9.6	10.5	24	11.4
4	11.5	12.0	8.3	7.0	4.6	3.9	9.1	9.8	9.1	10.7	9.2	8.0	7.0	6.2	8.4	9.5	8.8	7.8	7.8	8.6	11.0	11.9	10.9	8.2	24	12.0
5	6.3	5.8	4.3	6.7	8.4	5.1	4.6	8.2	10.2	9.4	11.7	10.3	5.7	8.4	10.2	7.8	7.4	10.1	10.9	10.0	8.4	10.3	11.1	9.0	24	11.7
6	8.1	9.2	8.0	7.2	9.4	6.4	6.7	9.0	7.6	9.3	9.4	6.6	6.7	9.3	8.1	7.8	6.6	6.2	7.3	7.4	9.9	12.0	12.3	9.7	24	12.3
7	7.1	9.0	8.7	7.1	7.2	9.5	9.0	6.9	8.3	9.1	9.5	8.8	9.0	7.6	7.6	8.5	7.4	8.2	10.5	10.4	8.3	7.3	6.1	5.7	24	10.5
8	6.3	5.0	7.1	8.2	3.7	3.6	6.2	6.4	5.8	7.9	8.8	7.4	8.3	7.1	5.7	7.4	8.5	6.8	6.2	7.6	8.1	8.1	7.9	8.8	24	8.8
9	7.3	5.7	5.5	7.2	9.7	6.5	4.3	6.6	6.3	6.3	6.4	6.5	9.0	8.0	6.4	5.9	6.9	8.3	8.6	8.0	6.9	8.2	4.9	4.2	24	9.7
10	9.0	6.6	4.3	7.2	8.1	7.8	6.8	4.7	5.3	7.6	8.6	9.1	9.3	8.6	8.0	6.3	4.7	4.8	5.9	6.3	9.2	12.5	7.7	3.8	24	12.5
11	4.5	5.8	3.2	2.3	2.4	3.7	7.1	6.8	10.2	12.4	17.9	20.9	11.9	10.1	10.4	12.9	10.8	4.9	3.9	6.2	6.2	5.7	6.5	8.4	24	20.9
12	8.5	10.5	9.3	8.0	10.2	7.3	4.8	7.2	8.3	6.3	9.3	7.5	3.5	3.6	5.1	10.1	10.8	5.7	5.6	8.9	9.1	8.6	6.7	7.2	24	10.8
13	7.6	6.9	5.8	7.8	10.1	8.8	8.0	9.4	10.1	10.1	11.2	9.8	8.1	7.0	8.8	8.1	7.3	10.5	8.1	8.0	10.8	9.9	9.3	8.3	24	11.2
14	7.3	10.6	10.3	8.6	8.9	10.6	10.7	7.6	6.7	7.2	9.1	8.8	6.9	7.8	7.1	5.3	8.4	8.5	5.9	5.2	6.1	9.1	10.0	7.1	24	10.7
15	5.5	6.2	5.7	5.8	7.6	7.2	6.9	7.4	8.6	7.5	4.6	3.8	5.5	9.2	7.8	6.4	7.0	5.9	6.5	16.9	13.2	7.6	1.6	4.1	24	16.9
16	6.7	6.7	8.9	8.9	4.7	4.1	7.2	9.1	7.9	7.8	8.1	16.3	16.1	6.0	1.4	4.0	9.3	7.1	7.4	8.9	10.4	12.2	6.7	1.3	24	16.3
17	1.8	2.9	6.8	10.8	11.7	9.6	10.7	9.5	8.5	17.4	14.7	12.4	7.0	3.6	.3	.4	3.7	3.7	2.5	3.7	8.6	9.2	6.4	6.1	24	17.4
18	5.9	4.3	5.5	6.0	2.2	.8	5.5	6.0	2.6	4.7	6.8	6.8	6.6	5.7	7.3	6.3	4.5	6.4	6.6	5.3	3.4	1.1	2.4	5.6	24	7.3
19	3.9	2.5	1.5	-.4	3.5	8.6	9.3	8.0	5.1	4.2	9.1	9.7	6.0	2.3	3.4	6.3	4.2	3.3	4.6	7.1	7.4	2.2	.0	3.9	24	9.7
20	6.5	4.2	4.5	4.6	1.6	1.9	3.5	2.3	2.3	4.0	16.2	1.6	4.3	6.3	3.9	3.3	6.3	4.1	.6	2.9	5.4	5.0	1.5	.3	24	16.2
21	6.3	9.3	7.2	9.0	8.0	5.5	6.4	6.5	4.3	7.7	10.1	6.4	6.9	7.0	5.4	5.4	5.4	5.0	6.7	7.8	6.9	8.0	6.8	6.2	24	10.1
22	6.5	3.8	6.7	8.4	4.0	4.0	4.3	1.0	5.4	11.6	8.7	6.6	7.3	7.8	7.7	4.8	3.4	2.1	6.0	8.9	4.9	4.1	7.6	8.2	24	11.6
23	6.1	5.8	3.8	-.3	.2	3.0	3.9	7.1	8.1	9.5	9.5	9.5	9.9	6.6	6.3	4.1	3.0	4.7	6.9	8.5	6.9	4.3	6.2	7.0	24	9.9
24	6.1	6.1	6.0	8.1	8.1	8.2	5.8	3.8	5.2	7.0	17.7	6.0	4.4	4.7	5.5	AV	1.3	1.4	4.5	5.5	6.1	3.4	1.9	3.3	23	17.7
25	4.3	4.7	3.3	3.6	4.4	2.1	2.2	4.3	4.7	3.5	3.1	5.0	7.5	5.4	4.3	.4	-2.8	.7	3.4	5.8	2.9	.2	3.0	2.6	24	7.5
26	3.6	5.8	1.7	-.1	3.3	2.2	.1	-1.2	.5	3.4	1.2	4.0	4.5	.7	-2.1	-2.5	-1.2	1.6	2.3	2.8	3.7	2.3	3.0	2.4	24	5.8
27	.3	-.8	-.3	.9	2.1	4.0	4.7	3.9	2.5	1.6	3.1	6.9	8.1	7.7	5.3	2.3	2.5	2.4	5.1	8.4	3.1	.4	3.0	2.6	24	8.4
28	4.4	2.4	-.1	.0	1.6	2.1	2.6	3.4	1.5	-.1	.1	8.2	10.3	3.9	2.6	3.4	1.3	2.2	5.1	2.3	1.9	3.0	2.6	4.4	24	10.3
29	6.6	4.4	1.8	2.6	3.0	1.9	2.4	3.9	.6	.7	2.8	4.2	4.6	3.7	3.5	4.4	3.1	3.8	5.6	3.5	2.3	2.4	4.5	4.4	24	6.6
30	2.8	1.8	.9	1.5	4.5	3.8	4.9	7.1	5.2	5.2	5.3	9.2	10.3	4.5	-.2	.8	5.5	6.0	6.3	8.3	7.0	3.3	2.4	3.1	24	10.3
31	4.8	7.1	6.6	3.7	.9	1.4	2.9	4.5	4.4	2.6	4.4	9.2	7.0	4.8	6.8	3.9	1.9	4.1	5.6	8.2	10.2	5.9	4.1	4.9	24	10.2
NO.:	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	31	31	31	31	31	31	31	
MAX:	11.5	12.0	10.6	10.8	11.7	10.6	10.7	9.8	10.2	17.4	17.9	20.9	16.1	10.1	10.4	12.9	10.8	10.5	10.9	16.9	13.2	12.5	12.3	11.9		
AVG:	6.31	6.28	5.47	5.54	5.58	5.12	5.68	6.15	6.09	7.03	8.47	8.25	7.51	6.17	5.57	5.66	5.54	5.43	6.11	7.38	7.38	6.61	6.09	5.93		

MONTHLY OBSERVATIONS: 743 MONTHLY MEAN: 6.31 MONTHLY MAX: 20.9

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: NOVEMBER 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM	
1	4.3	4.6	1.4	2.4	3.8	4.0	4.6	2.4	3.3	3.5	2.7	5.9	10.4	6.6	1.6	2.1	4.6	8.2	6.0	7.1	6.1	.0	1.2	4.9	24	10.4	
2	3.9	.7	2.6	4.8	2.0	.7	3.6	4.4	2.6	4.1	7.3	17.6	7.8	7.2	3.1	-1.0	.8	4.5	4.7	15.8	3.5	3.2	2.8	3.1	24	17.6	
3	4.7	3.4	.8	-1.0	-1.2	.7	1.7	3.0	2.7	5.3	7.3	5.2	5.2	5.6	3.5	2.5	2.1	3.0	7.8	5.8	3.3	4.0	4.6	5.9	24	7.8	
4	4.0	3.4	5.0	4.7	3.8	4.7	4.2	3.4	5.0	5.5	2.9	1.8	2.1	5.3	7.5	3.5	4.2	4.1	1.5	4.3	5.7	6.3	4.1	.7	24	7.5	
5	2.3	3.0	2.6	3.4	4.9	2.9	.3	-.7	.0	1.7	4.0	5.1	2.1	2.8	4.1	1.2	-.9	1.4	3.6	5.4	3.9	.8	.8	.8	24	5.4	
6	.0	-.4	2.6	4.2	2.8	2.1	1.5	.0	1.9	3.9	2.3	2.3	3.7	2.5	1.8	2.0	1.3	.2	2.0	5.6	2.6	2.9	4.1	1.6	24	5.6	
7	1.2	2.9	4.2	3.4	.9	.7	1.6	.9	1.6	2.1	2.5	7.6	6.9	.6	1.5	.7	-1.4	2.3	6.4	10.7	8.5	.6	1.5	4.3	24	10.7	
8	5.2	3.2	1.4	1.6	1.0	-.5	.1	-.2	.3	5.2	10.3	9.9	5.6	4.7	3.3	4.3	5.6	3.2	2.1	2.2	5.2	4.3	1.4	3.7	24	10.3	
9	3.0	2.8	3.0	1.6	2.4	3.8	4.5	4.9	3.2	1.7	5.1	7.8	6.4	5.4	4.0	3.1	5.0	4.5	4.0	3.8	4.2	7.2	6.7	7.2	24	7.8	
10	7.9	6.6	4.7	4.7	2.4	-1.4	.7	3.1	3.9	5.7	6.1	4.0	4.3	5.9	3.9	.4	.3	3.3	2.5	.5	2.2	4.4	2.3	1.2	24	7.9	
11	3.3	2.3	1.9	2.9	4.3	.0	-2.7	1.9	3.5	2.5	2.4	3.8	4.0	4.2	4.4	3.0	3.4	5.2	3.5	3.6	4.7	2.6	3.9	5.0	24	5.2	
12	4.3	4.3	3.5	2.6	3.2	4.9	7.2	6.8	3.8	3.5	3.3	3.8	4.4	3.5	3.2	2.3	1.9	3.3	3.3	3.6	3.8	3.5	3.3	1.8	24	7.2	
13	1.3	6.1	7.8	5.2	3.2	1.7	3.1	2.3	2.2	4.1	5.5	5.9	6.4	5.2	-.3	-.3	3.7	2.1	1.8	1.8	.5	3.4	5.6	2.2	24	7.8	
14	-.7	-.5	.0	1.4	2.5	-.3	-.6	2.9	3.3	3.6	5.0	5.6	8.9	4.1	-3.2	-2.4	.5	4.0	2.6	2.7	5.0	5.0	5.3	5.9	24	8.9	
15	3.5	2.9	3.5	1.7	4.5	4.4	1.9	1.6	1.3	1.1	1.8	3.1	5.4	5.7	1.3	1.1	1.5	5.1	7.3	-.2	-2.8	1.5	4.7	4.9	24	7.3	
16	3.8	3.7	2.0	1.4	1.8	1.6	2.4	4.0	3.3	2.8	3.0	2.6	3.1	4.4	7.7	9.7	5.1	2.2	4.7	3.0	2.8	2.9	-.3	-.1	24	9.7	
17	3.5	3.0	2.1	2.3	1.9	2.3	1.6	1.4	2.8	2.8	3.8	5.2	5.3	6.6	5.1	3.7	1.7	.4	2.2	.7	-2.7	-2.2	-1.2	.7	24	6.6	
18	2.0	.6	.9	2.6	4.3	4.0	4.0	4.3	4.0	3.8	3.8	5.2	9.8	9.5	3.3	3.4	1.7	-.7	1.6	-2.1	-2.8	1.5	4.8	5.4	24	9.8	
19	3.0	2.8	2.4	4.5	4.4	1.0	-.6	-1.7	.1	3.5	3.7	2.5	6.9	7.7	-1.6	-3.5	.0	1.4	3.2	2.1	2.8	2.6	2.4	3.3	24	7.7	
20	2.9	4.7	3.2	1.3	.9	2.2	3.3	2.8	2.6	4.0	4.0	4.0	4.1	7.5	4.1	-3.0	.5	3.4	1.7	5.3	6.6	3.7	2.3	2.6	24	7.5	
21	2.6	2.8	2.3	1.8	1.1	.5	2.3	5.2	4.2	2.4	5.2	9.6	9.6	3.8	.6	1.5	.8	1.0	3.6	.6	.0	.2	2.3	6.5	24	9.6	
22	1.6	.7	2.8	1.9	2.9	4.0	2.1	1.1	1.3	.6	.9	2.8	8.6	8.0	1.3	.2	1.4	3.1	3.8	4.3	4.6	1.9	3.2	2.0	24	8.6	
23	.2	2.6	4.1	1.0	-1.2	.7	3.1	4.3	4.8	6.2	7.6	8.3	7.7	4.7	-.1	-.1	4.1	6.1	4.4	3.1	4.1	4.7	3.8	3.4	24	8.3	
24	1.4	1.6	.5	-2.4	-1.9	-.2	.8	3.4	4.6	1.8	2.4	4.9	8.6	8.3	2.2	1.2	4.5	5.7	6.2	6.0	5.9	5.7	5.7	4.2	24	8.6	
25	2.0	.9	.9	1.1	1.2	2.1	2.6	2.0	1.0	4.6	6.6	9.7	12.4	6.9	3.0	1.8	.6	.9	2.1	2.0	-.2	1.3	.8	-.7	24	12.4	
26	.1	3.3	3.3	2.9	5.0	3.7	.7	-2.6	.2	2.3	2.3	6.9	11.1	8.1	1.9	-.6	-1.5	-.6	3.7	2.5	.2	1.6	2.1	2.4	24	11.1	
27	-1.0	.1	3.5	2.3	2.0	5.2	4.8	1.4	2.2	3.3	3.3	5.3	15.7	3.7	2.3	1.8	2.3	2.9	6.4	5.7	.2	1.0	4.2	3.7	24	15.7	
28	2.5	1.6	.7	3.1	4.7	2.8	1.6	1.5	3.1	3.8	4.1	16.4	8.7	6.7	7.5	4.5	.1	4.5	4.4	2.3	2.4	3.0	2.7	1.2	24	16.4	
29	-1.2	.1	4.0	2.5	.4	1.0	4.3	5.5	5.2	4.3	5.0	6.1	8.2	10.0	8.4	4.2	2.4	4.1	1.4	-2.2	-2.0	2.5	6.6	4.9	24	10.0	
30	2.6	2.8	1.9	2.5	2.1	2.1	3.1	3.3	3.3	3.0	6.5	6.7	2.9	4.8	5.1	2.4	4.5	4.2	-1.3	-1.9	.7	2.6	3.9	2.2	24	6.7	
31																										0	
NO.:	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
MAX:	7.9	6.6	7.8	5.2	5.0	5.2	7.2	6.8	5.2	6.2	10.3	17.6	15.7	10.0	8.4	9.7	5.6	8.2	7.8	15.8	8.5	7.2	6.7	7.2			
AVG:	2.47	2.55	2.65	2.41	2.34	2.05	2.26	2.42	2.71	3.42	4.36	6.19	6.88	5.67	3.02	1.66	2.03	3.10	3.57	3.47	2.63	2.76	3.19	3.16			

MONTHLY OBSERVATIONS: 720 MONTHLY MEAN: 3.21 MONTHLY MAX: 17.6

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-053-0130 POC: 1
 COUNTY: (053) Washington
 CITY: (80530) Virgin
 SITE ADDRESS: ZION NATIONAL PARK, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (014) FOUR CORNERS
 URBANIZED AREA: (0000) NOT IN AN URBAN AREA
 LAND USE: DESERT
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 37.1983000009
 LONGITUDE: -113.1506
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1213
 PROBE HEIGHT:

SUPPORT AGENCY: (0745) National Park Service
 MONITOR TYPE: NON-EPA FEDERAL
 COLLECTION AND ANALYSIS METHOD: (170) Met One BAM-1020 Mass Monitor w/VS
 PQAQ: (0745) National Park Service

REPORT FOR: DECEMBER 2012

DURATION: 1 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

DAY	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	OBS	MAXIMUM
1	.6	.3	3.4	6.4	5.4	3.8	4.8	5.0	4.2	3.8	3.8	5.0	6.3	8.8	7.9	3.5	2.9	1.7	.2	-2.7	-1.3	3.5	3.7	2.3	24	8.8
2	1.8	5.0	5.0	1.1	.3	2.5	1.8	1.2	3.4	5.1	6.8	4.4	3.2	5.4	4.7	3.3	3.7	2.6	3.3	3.4	1.1	.6	.6	.3	24	6.8
3	-1.3	-1.8	-2.2	-7	-1	-2.3	-3.1	-3	3.9	1.4	2.2	5.8	8.5	5.4	.6	1.5	1.1	.9	1.5	.7	1.6	1.3	.0	1.5	24	8.5
4	.2	1.0	4.0	3.9	.3	-1.2	-.6	2.5	5.0	4.2	3.0	3.1	5.4	10.3	9.2	5.5	6.7	7.8	5.8	3.7	2.3	2.4	3.1	3.6	24	10.3
5	4.7	2.9	.1	-.4	1.7	4.1	4.0	2.8	1.4	2.2	3.7	3.3	17.0	11.0	5.5	2.7	4.7	3.7	2.8	2.9	4.3	1.1	1.4	2.9	24	17.0
6	-.9	1.3	4.0	3.0	2.1	1.4	1.3	-.1	-1.6	1.6	15.7	3.3	3.6	5.9	4.3	.6	.8	.4	.7	2.9	5.1	2.0	-.5	-.9	24	15.7
7	-3.2	1.2	2.3	1.4	2.3	.3	-.6	-2.7	-3.0	1.0	4.7	7.8	7.3	6.6	5.4	.0	-1.5	-.5	.3	-1.3	-2.2	-2.4	-6.0	-2.9	24	7.8
8	2.8	1.6	1.9	3.6	3.7	1.7	-.8	-1.1	1.2	2.6	2.8	7.0	9.7	7.6	1.7	.0	3.3	4.6	2.1	1.8	1.5	-.4	1.7	-.4	24	9.7
9	1.3	3.9	1.6	2.3	1.0	-1.0	-.9	1.6	2.4	3.1	3.2	2.7	2.2	4.7	4.4	-.8	-.5	.2	1.7	3.8	4.6	1.4	-2.0	-1.9	24	4.7
10	-.3	2.5	.9	1.8	4.4	2.1	1.7	2.4	2.6	1.4	-1.4	.2	2.6	3.6	5.9	4.5	-.5	-5.4	-5.0	-3.1	-1.1	1.9	3.3	-.6	24	5.9
11	-1.3	1.6	2.1	2.3	2.0	.2	2.4	4.5	3.4	5.8	2.9	.3	4.5	9.5	8.6	5.0	1.5	.2	2.0	1.4	-.9	1.2	3.0	1.3	24	9.5
12	.8	.0	-.6	-1.0	-1.0	-.6	-1.1	.9	1.7	3.7	6.9	16.2	4.5	5.1	3.1	.8	.3	.0	.8	1.0	3.9	2.2	-4.3	-1.3	24	16.2
13	2.7	1.0	.0	1.9	3.6	1.2	-.5	.6	.0	1.1	1.2	2.5	5.4	5.1	6.9	7.2	3.2	1.8	.4	.7	1.6	1.4	2.5	.8	24	7.2
14	.1	.0	1.4	2.9	.6	-.2	1.1	-.2	1.2	3.4	1.4	2.3	1.7	-1.2	.0	1.1	1.3	.1	-.5	-.8	-1.0	-.2	1.2	2.0	24	3.4
15	-.5	.0	.3	3.5	3.0	1.0	2.8	2.8	1.9	3.4	4.3	.3	-1.3	6.2	9.8	3.8	.0	.0	2.1	1.1	1.3	.9	.7	2.1	24	9.8
16	1.1	.9	1.7	2.6	2.0	.6	-.5	.2	1.8	.2	.9	1.0	-.3	-.2	1.5	8.1	3.0	-6.0	-3.0	-4.1	-3.1	2.1	1.0	.0	24	8.1
17	1.5	3.3	3.9	2.4	4.6	6.1	4.7	3.6	.3	-.4	1.4	2.1	2.4	2.5	1.8	1.5	4.0	7.0	7.8	4.9	3.7	2.0	.6	.1	24	7.8
18	.3	3.1	3.6	4.9	2.8	-1.7	-.1	2.1	2.5	1.3	-.5	-.6	-.5	-1.0	.1	3.5	3.5	2.0	-.3	-.7	1.1	.3	-1.6	-3.8	24	4.9
19	-1.8	1.3	.7	2.5	-.1	-1.5	2.1	2.5	4.0	2.8	2.2	4.3	4.1	1.5	5.5	6.9	1.3	.8	.1	-.4	1.3	.2	.5	2.3	24	6.9
20	.5	1.2	1.4	2.4	2.7	.4	.9	1.2	1.7	2.8	3.0	2.1	1.7	.5	2.3	6.8	4.3	.6	.7	2.1	2.4	3.6	3.1	.0	24	6.8
21	-.7	.2	.4	1.3	-.5	.3	1.9	2.0	4.1	4.8	5.4	3.9	2.1	2.3	2.5	2.7	5.4	4.6	2.1	-.5	.2	2.5	1.2	2.4	24	5.4
22	.4	.8	4.0	4.4	2.1	-.8	-1.0	-.6	-1.2	.7	1.6	1.9	2.8	2.9	6.3	5.4	1.7	.6	1.0	-1.1	-6.1	-4.7	-.4	2.0	24	6.3
23	1.1	.2	1.6	2.2	3.9	5.1	3.0	1.1	1.1	1.4	2.0	5.3	10.4	6.6	1.4	3.8	3.8	.1	-1.0	.0	-2.9	-6.0	-3.0	.4	24	10.4
24	1.0	.3	-1.2	1.2	3.6	4.2	2.4	-.5	.2	.9	-2.0	-1.2	4.2	3.3	-.6	1.8	1.9	-1.5	-2.0	-2.4	-.7	.0	-.2	.5	24	4.2
25	1.6	.4	.5	2.0	.5	2.1	1.6	.7	1.7	3.3	3.7	1.6	2.2	17.0	1.9	-.8	-1.3	-1.2	-4.6	-7.4	-4.3	1.9	2.2	.0	24	17.0
26	1.3	5.0	4.9	3.0	2.2	4.3	3.6	-.2	1.5	3.2	1.1	1.0	-.4	1.7	3.1	4.6	5.4	3.1	3.8	3.2	-2.0	-1.9	.0	.2	24	5.4
27	.7	3.4	4.9	3.5	-1.4	-2.7	1.9	2.8	3.0	3.0	2.8	4.0	7.8	7.1	2.3	3.3	4.8	2.3	-2.5	-1.9	.6	.3	3.1	4.1	24	7.8
28	.8	.9	2.7	2.1	2.8	2.9	1.0	-.8	-1.8	-1.6	.7	3.1	6.0	7.2	5.3	3.4	3.3	.5	AN	-1.7	.2	1.0	-1.1	-1.4	23	7.2
29	1.1	.7	-.8	.0	.1	-.3	-.1	-.4	2.9	5.4	3.7	3.4	2.5	1.9	3.1	.5	-.1	-.3	-4.0	-4.8	-1.9	.5	-.8	-.7	24	5.4
30	.6	.1	-.3	-.3	.2	1.4	2.6	4.3	4.0	-.1	-.2	2.1	2.2	5.5	6.7	3.7	2.5	2.8	2.2	.9	1.7	4.2	3.2	1.1	24	6.7
31	1.2	3.4	1.7	.2	1.1	1.2	3.8	4.0	3.6	4.2	4.2	4.4	8.8	16.2	5.4	4.5	.4	2.0	5.8	8.4	7.9	4.5	5.0	4.9	24	16.2
NO.:	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	31	31	31	31	
MAX:	4.7	5.0	5.0	6.4	5.4	6.1	4.8	5.0	5.0	5.8	15.7	16.2	17.0	17.0	9.8	8.1	6.7	7.8	7.8	8.4	7.9	4.5	5.0	4.9		
AVG:	.59	1.47	1.74	2.14	1.80	1.12	1.29	1.35	1.84	2.44	2.94	3.31	4.41	5.45	4.08	3.17	2.29	1.15	.81	.32	.61	.88	.68	.67		

MONTHLY OBSERVATIONS: 743 MONTHLY MEAN: 1.94 MONTHLY MAX: 17.0

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-057-0002 POC: 1
 COUNTY: (057) Weber
 CITY: (55980) Ogden
 SITE ADDRESS: 228 32ND STREET, OGDEN, UTAH
 SITE COMMENTS: THIS SITE REPLACES OG (490570001) WHICH WAS DEMOLISHED FOR NEW CONST.
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (5840) OGDEN, UT
 LAND USE: RESIDENTIAL
 LOCATION SETTING: URBAN AND CENTER CITY

CAS NUMBER:
 LATITUDE: 41.2063211134
 LONGITUDE: -111.97552430
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1316
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality

MONITOR TYPE: SLAMS

COLLECTION AND ANALYSIS METHOD: (145) R & P Model 2025 PM-2.5 Sequential

PQAO: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR

UNITS: Micrograms/cubic meter (LC)

MIN DETECTABLE: 2

MONTH												
Day	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	12.9	11.5	3.3	4.0	6.1	5.5	14.4	6.1	4.1	8.4	6.6	2.4
2	13.1	6.8	4.2	2.0	7.5	8.1	13.7	7.4	5.0	7.7	6.0	2.1
3	24.5	2.5	5.5	5.4	7.5	9.9	10.4	8.9	6.7	13.0	7.0	6.4
4	21.4	5.4	5.9	5.0	6.5	10.5	P 63.7 rh	8.9	6.2	12.0	7.2	8.6
5	22.6	9.5	3.8	4.6	5.1	6.3	11.6	8.6	7.5	11.1	9.4	13.0
6	24.0	12.8	3.6	2.5	5.7	2.7	12.3	10.7	8.2	15.9	7.3	17.1
7	8.2	9.0	2.2	7.2	3.0	4.6	9.1	11.7	9.7	9.5	7.5	5.8
8	12.5	13.3	5.9	10.5	5.5	5.7	7.2	16.3	14.9	8.9	8.2	2.6
9	25.8	17.1	14.9	8.4	5.9	3.2	6.8	14.1	9.5	9.3	3.7	5.3
10	26.2	14.2	16.3	7.1	8.4	3.2	6.6	10.2	6.8	4.5	7.7	8.9
11	13.9	9.5	9.0	6.7	7.4	3.8	6.6	9.9	6.1	6.6	5.7	6.2
12	10.3	7.7	6.6	AM	7.0	5.5		24.5	9.3	4.6	8.6	4.3
13	18.7	8.5	5.5	AM	6.5	5.3	16.4	12.0	15.7	3.2	15.0	5.7
14	17.1	6.2	3.7	AM	7.6	4.7	8.8	17.0	14.1	4.5	22.0	7.8
15	9.0	6.3	5.8	AM	10.4	5.5	6.6	23.1	10.7	5.5	19.5	5.7
16	4.2	8.2	4.1	AM	10.3	6.7	5.1	25.3	8.3	4.2	12.2	3.6
17	5.7	15.0	6.0	AM	11.6	7.4	6.9	23.2	P 35.5	4.5	3.6	2.3
18	8.1	8.8	1.7	AM	8.3	8.3	8.9	24.8	34.8	6.2	2.3	2.7
19	3.8	1.6	1.4	AM	9.6	3.2	7.9	30.5	20.0	7.9	5.7	5.8
20	10.0	3.3	3.7	AM	7.3	4.3	6.1	20.2	20.2	6.4	8.4	AN
21	1.9	1.7	3.3	AM	12.1	8.6	6.8	18.2	31.5	6.5	5.8	AN
22	2.7	1.7	3.0	AM	9.7	12.6	6.2	8.5	23.7	5.8	2.7	AN
23	6.7	2.4	3.3	AM	6.1	10.1	4.9	6.5	11.5	2.5	7.6	AN
24	9.4	6.0	9.0	AM	6.2	9.0	13.1	14.5	6.5	2.9	16.4	AN
25	14.2	2.7	3.7	AM	11.2	9.6	7.7	16.2	4.0	4.7	27.0	7.6
26	9.3	2.9	2.5	AM	7.7	8.1	7.5	14.9	6.5	6.9	14.5	8.2
27	4.9	5.7	4.4	2.5	3.0	6.1	8.5	11.0	8.1	6.6	17.9	8.7
28	13.0	6.5	5.2	AM	5.8	9.3	6.7	11.7	12.1	6.0	16.5	12.7
29	12.3	2.8	4.1	3.5	5.8	9.3	14.3	9.3	14.2	6.3	10.5	AN
30	17.0		6.1	5.5	8.4	12.7	9.8	8.8	11.6	6.4	4.4	
31	15.6		11.2		5.0		7.2	6.9		7.4		
NO.:	31	29	31	14	31	30	30	31	30	31	30	23
MAX:	26.2	17.1	16.3	10.5	12.1	12.7	63.7	30.5	35.5	15.9	27.0	17.1
MEAN:	12.87	7.23	5.45	5.35	7.36	6.99	10.73	14.19	12.77	6.96	9.90	6.67
ANNUAL OBSERVATIONS:	341		ANNUAL MEAN:	9.10		ANNUAL MAX:	63.7		2 Values marked with 'P' exceed the PRIMARY STANDARD of: 35.5			
									2 Values marked with 'S' exceed the SECONDARY STANDARD of: 35.5			

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

May. 14, 2013

(88101) PM2.5 - Local Conditions

SITE ID: 49-057-1003 POC: 1
 COUNTY: (057) Weber
 CITY: (33540) Harrisville
 SITE ADDRESS: 425 W 2550 NORTH, OGDEN, UTAH
 SITE COMMENTS:
 MONITOR COMMENTS:

STATE: (49) Utah
 AQCR: (220) WASATCH FRONT
 URBANIZED AREA: (5840) OGDEN, UT
 LAND USE: RESIDENTIAL
 LOCATION SETTING: RURAL

CAS NUMBER:
 LATITUDE: 41.3036139529
 LONGITUDE: -111.98787086
 UTM ZONE:
 UTM NORTHING:
 UTM EASTING:
 ELEVATION-MSL: 1331
 PROBE HEIGHT: 4

SUPPORT AGENCY: (1113) Utah Department Of Environmental Quality
 MONITOR TYPE: SLAMS
 COLLECTION AND ANALYSIS METHOD: MULTIPLE METHODS
 PQAQ: (1113) Utah Department Of Environmental Quality

REPORT FOR: 2012

DURATION: 24 HOUR
 UNITS: Micrograms/cubic meter (LC)
 MIN DETECTABLE: 2

Day	MONTH											
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1	9.7		2.7					3.8				
2						5.7	7.5				3.6	1.7
3		AN		4.1	6.4				4.4	9.8		
4	17.1		3.7					4.6				
5						5.3	11.7				6.2	7.5
6		AM		AM	4.6				19.5	11.7		
7	7.3		2.5					9.4				
8						4.5	5.2				7.1	1.7
9		AM		7.1	5.3				8.2	6.6		
10	27.4		16.7					9.0				
11						2.2	5.9				6.1	5.0
12		7.8		1.5	5.7				6.5	4.6		
13	14.6		4.9					10.0				
14						3.3	5.5				21.3	6.7
15		6.7		2.8	7.4				7.6	3.6		
16	2.7		4.2					22.6				
17						4.5	3.7				3.6	1.6
18		6.2		3.0	5.6				35.4 rt	5.4		
19	2.3		1.4					26.5				
20							3.8				3.0	7.7
21		1.8		4.5	6.3				31.7	6.2		
22	2.1		2.7					6.6				
23							4.8				6.5	3.5
24		2.4		5.5	2.9				5.3	1.6		
25	10.1		2.5					12.8				
26						5.0	4.5				12.4	8.9
27		4.4		1.7	2.0				7.9	3.0		
28	8.9		4.9					4.9				
29						5.3	11.1				6.0	15.5
30				4.0	5.3				9.9	4.5		
31			8.5					4.5				
NO.:	10	6	11	9	10	8	10	11	10	10	10	10
MAX:	27.4	7.8	16.7	7.1	7.4	5.7	11.7	26.5	35.4	11.7	21.3	15.5
MEAN:	10.22	4.88	4.97	3.80	5.15	4.48	6.37	10.43	13.64	5.70	7.58	5.98
ANNUAL OBSERVATIONS:		115		ANNUAL MEAN:	7.09		ANNUAL MAX:	35.4				

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
AF	Scheduled but not Collected	NULL
AL	Voided by Operator	NULL
AM	Miscellaneous Void	NULL
AN	Machine Malfunction	NULL
AQ	Collection Error	NULL
AT	Calibration	NULL
AU	Monitoring Waived	NULL
AV	Power Failure	NULL
BA	Maintenance/Routine Repairs	NULL
BF	Precision/Zero/Span	NULL
BL	QA Audit	NULL
IJ	High Winds	INFORM
IT	Wildfire-U. S.	INFORM
X	Filter Temperature Difference out of Spec.	QA
Y	Elapsed Sample Time out of Spec.	QA
rh	Fireworks	REQEXC
rt	Wildfire-U. S.	REQEXC

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 and those without regional concurrence are shown in lower case.