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The Trusted Integrator for Sustainable Solutions

REMOVAL SUPPORT TEAM 3
EPA CONTRACT EP-S2-14-01

January 9, 2017

Mr. Eric Daly, On-Scene Coordinator
U.S. Environmental Protection Agency, Region II
Response and Prevention Branch
2890 Woodbridge Avenue
Edison, New Jersey 08837

EPA CONTRACT NO: EP-S2-14-01
TDD No: TO-0007-0137
DC No: RST3-03-D-0133
SUBJECT: EMERGENCY RESPONSE TRIP REPORT – STEEL WORKS INDUSTRIAL PARK FIRE SITE, LACKAWANNA, ERIE COUNTY, NEW YORK

Dear Mr. Daly,

Enclosed please find the Emergency Response Trip Report for the response activities conducted at the Steel Works Industrial Park Fire Site located at 2801 Hamburg Turnpike in Lackawanna, Erie County, New York on November 9 through 11, 2016.

If you have any questions or comments, please contact me at (603) 512-4350.

Sincerely,

WESTON SOLUTIONS, INC.

For: Robert Croskey
RST 3 Site Project Manager

Enclosure
cc: TDD File: TO-0007-0137

EMERGENCY RESPONSE TRIP REPORT

SITE NAME: Steel Works Industrial Park Fire Site
DC No.: RST3-03-D-0133
TDD No.: 0007-0137
EPA ID: A27C
EVENT DATES: November 9 through 11, 2016

1.0 Site Location: 2801 Hamburg Turnpike
Lackawanna, Erie County, New York
(Refer to Attachment A, Figure 1: Site Location Map)

2.0 Site History and Background Information

At approximately 0715 hours on November 9, 2016, a fire broke out at the Steel Works Industrial Park facility, located at 2801 Hamburg Turnpike in Lackawanna, Erie County, New York. The fire continued to burn, moving throughout the warehouse. There were no known bulk hazardous materials stored in the warehouse at the time; however, plastics recycling occurs at the warehouse. In addition, it is believed that steel coils, boats, recreational vehicles (RVs), and small palletized items were stored in the warehouse. The main threat to the public was the smoke plume, which was initially tracking west toward Lake Erie; however, after a wind shift during the day, the smoke plume began tracking northeast. Nearby residents were advised to shelter in place.

At approximately 0900 hours on November 9, 2016, the U.S. Environmental Protection Agency (EPA) Regional Emergency Operations Center (REOC) activated Weston Solutions, Inc., Removal Support Team 3 (RST 3) to provide air monitoring support for the fire-related Emergency Response at the industrial warehouse facility. At approximately 0930 hours on the same day, RST 3 mobilized two Core Response Team members (CRT) who met with the EPA On-Scene Coordinator (OSC) at a nearby Removal Action site in Niagara Falls, New York, for an updated briefing on the current situation at the facility. The EPA OSC and RST 3 arrived at the scene of the incident at approximately 1140 hours and met with state and local first responders to receive additional status updates of the situation and to coordinate ongoing response actions. During the meeting, the state and local first responders provided their accounts of events that had occurred since the fire stated in the early hours of the morning. In addition, weather information pertinent to the ongoing response action was shared to all the response personnel. It was forecasted that the current north wind would shift to the northwest at speeds up to 13 miles per hour (mph).

The Steel Works Industrial Park Fire Site (the Site) comprises the Steel Works Industrial Park facility. The Site is approximately 1,000,000 square feet in size and is located in a mixed industrial and residential area at the boundary of Lackawanna and borders Hamburg, New York. There are residential neighborhoods located directly to the north adjacent to the property. There are also residential neighborhoods located about a half mile to the northeast, east, and southeast. Other industrial properties are located directly to the west and south. There are residential neighborhoods located about a half mile further south and southwest. Lake Erie is located less than one mile to the west, and approximately 6,000 people reside within a one-mile radius of the Site.

4.0 On-Site Personnel:

Name	Affiliate	Duties On-Site
Eric Daly	United States Environmental Protection Agency, Region II	On-Scene Coordinator
Mike Hoppe	United States Environmental Protection Agency, Region II	On-Scene Coordinator
Chris Gallo	United States Environmental Protection Agency, Region II	On-Scene Coordinator
Peter Lisichenko	Weston Solutions Inc., RST 3/CRT Member	Air Monitoring Support
Robert Croskey	Weston Solutions Inc., RST 3/CRT Member	Air Monitoring Support
Matt Franklin	New York State Department of Environmental Conservation	Lead Responder for Affiliate
Terry Dickson	Buffalo City Fire Department, HazMat Unit	Lead Responder for Affiliate
Greg Gill	Erie County HazMat Unit	Lead Responder for Affiliate

Members of the Unified Command:
New York State Department of Environmental Conservation
United States Environmental Protection Agency, Region II
Buffalo City Fire Department, HazMat Unit
Erie County HazMat Unit

5.0 Emergency Response Activities Summary:

November 9, 2016

Upon arrival at the scene of the incident, and after the Site status meeting with state and local first responders, an Incident Command Post (ICP) was set up at Hamburg High School, following which RST 3 was tasked by EPA to conduct perimeter air monitoring for particulates in order to provide EPA with the necessary information to assess ambient air quality at the scene of the incident.

Weather: Mostly cloudy; Temperature: 44 degrees Fahrenheit (^{o}F), forecasted high of 52 ^{o}F; Winds: north at 13 miles per hour (mph); Humidity: 83 percent (%); Dew point: 41 ^{o}F; Pressure: 30.01 inches of mercury (inHg); No precipitation; Projected Weather: Expected to remain cool with winds shifting to the northwest.

Based upon decisions reached during joint consultation with members of the Unified Command, including deployment of air monitoring resources, at approximately 1205 hours, RST deployed five DustTrack particulate monitors equipped with PM_{10} (particulate matter smaller than 10 microns in diameter) to the air monitoring stations selected by the Unified Command. The DustTrack units were connected to a Netronics system (a wireless network-based communications system) which provided instantaneous real-time air quality readings through a computer server. The Netronics system later developed problems and was only able to provide intermittent real-time readings.

These initial air monitoring stations were selected based on prevailing wind direction and they include, a location within approximately 100 yards of the burning building, also referred to as the "Hot Zone" (AS001); Charlotte Avenue Elementary School (AS002); Union Pleasant Elementary School (AS003); Frontier Central High School (AS004); and Woodlawn Fire Department (AS005). As the Emergency Response progressed, air monitoring resources were relocated to

other requested areas based on wind direction other health-related factor. Additional air monitoring stations later selected include, McKinley Mall, Booton (AS006), Lackawana City Hall (AS007), and Lackawana Highway 90 Toll Plaza (AS008). Perimeter air monitoring continued into the next day. On several occasions, particulate concentration readings spiked to high levels, but were not sustained.

Refer to Attachment A, Figure 2: Air monitoring Locations Map - November 9, 2016, Attachment B, Particulates Results Summary Tables (Tables 1 through Table 8), and Attachment C: Particulates Results Graph, and Attachment D: Photographic Documentation Logs.

November 10, 2016

RST 3 mobilized back to the Site and continued air monitoring at AS001 through AS008. EPA's Emergency Response Team (ERT) and their Scientific Engineering Response and Analytical Services (SERAS) contractor arrived onsite to provide support for additional air monitoring.

Weather: Mostly cloudy; Temperature: 33 ^{o}F, forecasted high of 52 ^{o}F; Winds: 0 mph; Humidity: 93%; Dew point: 31; Pressure: 30.01 inHg; Projected Weather: Expected to be clear through the day with increased wind speeds up to 12 mph.

After consultations with EPA, ERT deployed five Thermo Scientific DataRAM 4 particulate monitors (DataRAM) to monitor for total particulates; five AreaRAE units were utilized to monitor for toxic gases, including volatile organic compounds (VOCs), nitric oxide (NO), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), carbon monoxide (CO); two additional AreaRAE units equipped with Single Point Monitors (SPM) Flex were used to monitor for hydrogen cyanide (HCN), and SKC pumps were deployed to sample the ambient air for polynuclear aromatic hydrocarbons (PAHs). All the air monitoring instruments were connected to Life-line Interoperable Network Communicators (LINC) which communicated with a VIPER system (a wireless network-based communication system) via a computer gateway (Internet Source). The VIPER system provided instantaneous real-time air quality readings through a computer server (Viper Deployment Manager [VDM]).

In addition to the existing air monitoring stations, AS001 through AS008, ERT deployed their air monitors to additional air monitoring stations, including Mirriam Avenue and Electrical Avenue (AS009), Van Wyck Street (AS010), Holy Cross Cemetery (AS011), a Guard Shck (AS012), the end of Fairview Parkway (AS013), the basketball field in Woodlawn (AS014), Tennis Courts (AS015), Madison Avenue (AS016), and Milestrip Expressway and Electrical Avenue (AS017). As the Emergency Response progressed, RST 3 relocated its air monitoring resources as necessary to other requested areas based on wind direction and other health-related factor; however, the locations of the ERT air monitors and samplers remained fixed.

Throughout the day particulate concentration readings remained within acceptable limits at AS006 and AS008 where RST 3 DustTrack units were deployed; but at AS007 (RST 3 DustTrack) and AS015 (RST 3 DustTrack and ERT DataRAM), frequent spikes in particulate concentrations were observed and gradually became sustained for more than 5 minutes. At approximately 1215 hours, particulate concentration exceeded 3,000 micrograms per cubic meter ($\mu g/m^3$) on the DataRAM

at AS015 and remained sustained. The RST 3 DustTrack unit deployed AS015 indicated particulate concentration above 2,000 $\mu g/m^3$. In response to this spike in particulate concentration, the Erie County Health Department, City of Buffalo Fire Department, and NYSDEC decide to evacuate the neighborhood north of the fire.

Refer to Attachment A, Figure 3: Air monitoring Locations Map - November 10 and 11, 2016, Attachment B, Particulates Results Summary Tables (Tables 1 through Table 10), and Attachment C: Particulates Results Graph, and Attachment D: Photographic Documentation Logs, and Attachment E: ERT/SERAS Air Monitoring Report.

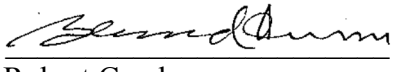
November 11, 2016

RST 3 mobilized to the Site and continued air monitoring at AS001 through AS008, and AS013 and AS016. ERT continued air monitoring and sampling activities at AS009 through AS012 and AS014, AS015, and AS017.

Weather: Partly cloudy; Temperature: 47 ^oF, forecasted high of 52 ^oF; Winds: west northwest at 5 mph; Humidity: 83%; Dew point: 41; Pressure: 30.01 inHg; Projected Weather: Winds are expected to decrease by noon. No precipitation.

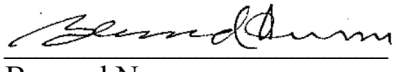
RST 3 relocated its air monitoring resources as necessary to other requested areas. ERT air monitors and samplers remained at fixed locations throughout the day. Particulate concentration remained within acceptable limits. At approximately 1550 hours, the fire is determined to be extinguished by the City of Buffalo Fire Department. EPA notified RST 3 and ERT that the air monitoring task was complete. All air monitoring equipment were broken down and recovered. At 1630 hours, RST 3 departed the Site after completing final photographic documentation of the Site.

Refer to Attachment A, Figure 3: Air monitoring Location Map - November 10 and 11, 2016, Attachment B, Particulates Results Summary Tables (Tables 1 through Table 10), and Attachment C: Particulates Results Graph, and Attachment D: Photographic Documentation Logs, and Attachment E: ERT/SERAS Air Monitoring Report.

Report prepared by:  1/9/2017

Robert Croskey — Date

RST 3 Site Project Manager

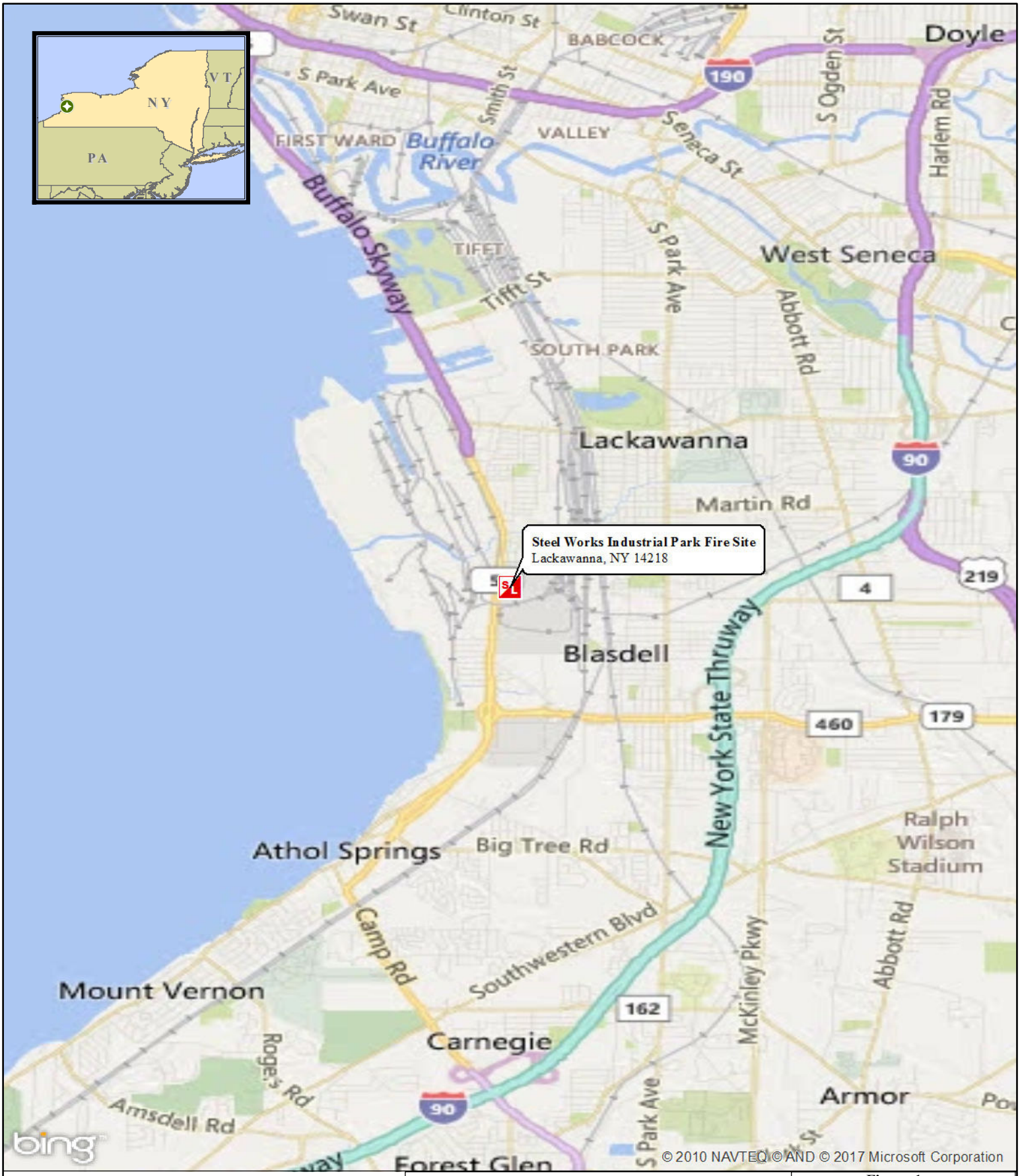
Report reviewed by:  1/9/2017

Bernard Nwosu — Date

RST 2 Readiness Coordinator

ATTACHMENT A

Figures



Legend

Site Location

N

0 0.4 0.8 1.6 2.4 3.2 Miles

Weston Solutions, Inc.
Federal East Division

In Association With
Scientific and Environmental Associates, Inc.,
Environmental Compliance Consultants, Inc.,
Avatar Environmental, LLC, On-Site Environmental,
Inc.and Sovereign Consulting, Inc

Figure 1:
Site Location Map

Steel Works Industrial Park Fire Site
Lackawanna, New York

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

DATE MODIFIED: 1/9/2017

GIS ANALYST:	T. Benton
EPA OSC:	E. Daly
RST SPM:	R. Croskey
FILENAME:	170109_SITELOCATIONMAP.MXD

\\FSED2DATA1\GISDATA\RST_3\00070137\MXD\170109_SITELOCATIONMAP.MXD

Legend

- Facility
- Air Monitoring Station

0 1 2 4 6 8 Miles

N

Weston Solutions, Inc.

In association with
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Avatar Environmental, LLC, Environmental Compliance Consultants,
On-Site Environmental, Inc., and Sovereign Consulting, Inc.

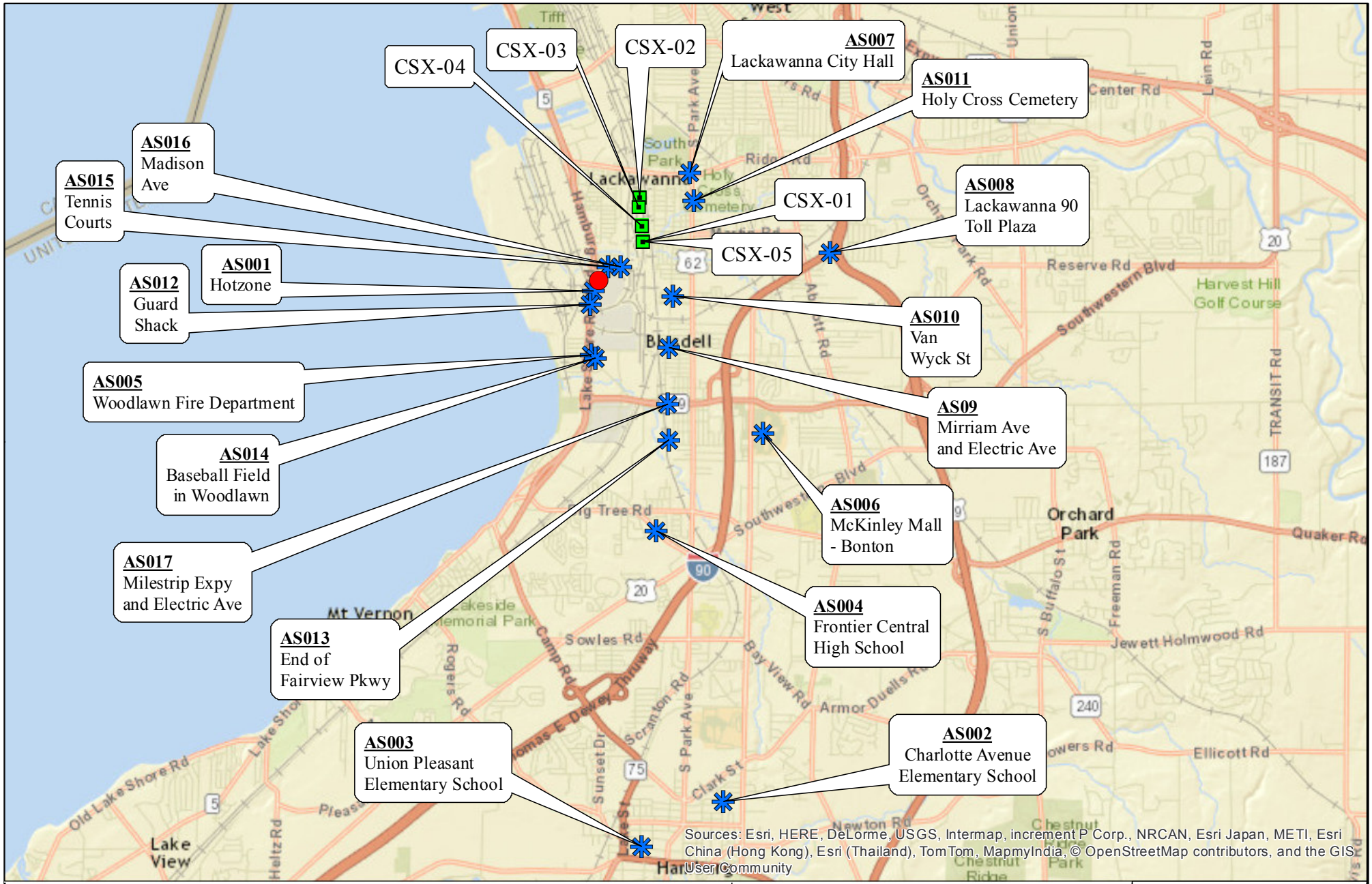
Figure 2: Air Monitoring Location Map (November 9, 2016)

STEEL WORKS INDUSTRIAL PARK FIRE
LACKAWANNA, NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

GIS ANALYST:	P. LISICHENKO
EPA OSC:	E. DALY
RST SPM:	R. CROSKEY
FILENAME:	161109_BSF_AirMonitoringStations.mxd

DATE MODIFIED: 11/9/2016



Legend

- Facility
- Air Monitoring Station
- CSX Sample Location

0 1 2 4 6 8 Miles

N

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Avatar Environmental, LLC, Environmental Compliance Consultants,
On-Site Environmental, Inc., and Sovereign Consulting, Inc.

Figure 3: Air Monitoring Location Map (November 10 and 11, 2016)

STEEL WORKS INDUSTRIAL PARK FIRE
LACKAWANNA, NEW YORK

U.S. ENVIRONMENTAL PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

GIS ANALYST:	P. LISICHENKO
EPA OSC:	E. DALY
RST SPM:	R. CROSKEY
FILENAME:	161110b_BSF_AirMonitoringStations.mxd

DATE MODIFIED: 11/10/2016

ATTACHMENT B

Tables

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
Steel Works Industrial Park Fire Site
November 9 through 10, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
1	11/9/2016	11:50	278
2	11/9/2016	11:51	419
3	11/9/2016	11:52	534
4	11/9/2016	11:53	632
5	11/9/2016	11:54	2020
6	11/9/2016	11:55	1470
7	11/9/2016	11:56	986
8	11/9/2016	11:57	207
9	11/9/2016	11:58	63
10	11/9/2016	11:59	217
11	11/9/2016	12:00	280
12	11/9/2016	12:01	205
13	11/9/2016	12:02	54
14	11/9/2016	12:03	752
15	11/9/2016	12:04	449
16	11/9/2016	12:05	144
17	11/9/2016	12:06	413
18	11/9/2016	12:07	1150
19	11/9/2016	12:08	930
20	11/9/2016	12:09	514
21	11/9/2016	12:10	340
22	11/9/2016	12:11	436
23	11/9/2016	12:12	307
24	11/9/2016	12:13	161
25	11/9/2016	12:14	212
26	11/9/2016	12:15	462
27	11/9/2016	12:16	297
28	11/9/2016	12:17	390
29	11/9/2016	12:18	216
30	11/9/2016	12:19	53
31	11/9/2016	12:20	86
32	11/9/2016	12:21	66
33	11/9/2016	12:22	56
34	11/9/2016	12:23	93
35	11/9/2016	12:24	111
36	11/9/2016	12:25	359
37	11/9/2016	12:26	319
38	11/9/2016	12:27	431
39	11/9/2016	12:28	489
40	11/9/2016	12:29	548
41	11/9/2016	12:30	1170
42	11/9/2016	12:31	830
43	11/9/2016	12:32	892
44	11/9/2016	12:33	985
45	11/9/2016	12:34	941
46	11/9/2016	12:35	827
47	11/9/2016	12:36	603
48	11/9/2016	12:37	553
49	11/9/2016	12:38	531
50	11/9/2016	12:39	540

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
51	11/9/2016	12:40	1070
52	11/9/2016	12:41	831
53	11/9/2016	12:42	479
54	11/9/2016	12:43	212
55	11/9/2016	12:44	67
56	11/9/2016	12:45	91
57	11/9/2016	12:46	119
58	11/9/2016	12:47	600
59	11/9/2016	12:48	136
60	11/9/2016	12:49	65
61	11/9/2016	12:50	69
62	11/9/2016	12:51	289
63	11/9/2016	12:52	315
64	11/9/2016	12:53	322
65	11/9/2016	12:54	250
66	11/9/2016	12:55	104
67	11/9/2016	12:56	209
68	11/9/2016	12:57	309
69	11/9/2016	12:58	372
70	11/9/2016	12:59	286
71	11/9/2016	13:00	254
72	11/9/2016	13:01	113
73	11/9/2016	13:02	197
74	11/9/2016	13:03	500
75	11/9/2016	13:04	431
76	11/9/2016	13:05	228
77	11/9/2016	13:06	90
78	11/9/2016	13:07	77
79	11/9/2016	13:08	78
80	11/9/2016	13:09	446
81	11/9/2016	13:10	265
82	11/9/2016	13:11	95
83	11/9/2016	13:12	133
84	11/9/2016	13:13	416
85	11/9/2016	13:14	377
86	11/9/2016	13:15	125
87	11/9/2016	13:16	116
88	11/9/2016	13:17	78
89	11/9/2016	13:18	38
90	11/9/2016	13:19	38
91	11/9/2016	13:20	30
92	11/9/2016	13:21	50
93	11/9/2016	13:22	115
94	11/9/2016	13:23	142
95	11/9/2016	13:24	203
96	11/9/2016	13:25	221
97	11/9/2016	13:26	184
98	11/9/2016	13:27	173
99	11/9/2016	13:28	107
100	11/9/2016	13:29	32

µg/m^3 - micrograms per cubic meter

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
Steel Works Industrial Park Fire Site
November 9 through 10, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
101	11/9/2016	13:30	16
102	11/9/2016	13:31	21
103	11/9/2016	13:32	90
104	11/9/2016	13:33	35
105	11/9/2016	13:34	27
106	11/9/2016	13:35	13
107	11/9/2016	13:36	16
108	11/9/2016	13:37	86
109	11/9/2016	13:38	54
110	11/9/2016	13:39	70
111	11/9/2016	13:40	34
112	11/9/2016	13:41	23
113	11/9/2016	13:42	106
114	11/9/2016	13:43	27
115	11/9/2016	13:44	23
116	11/9/2016	13:45	35
117	11/9/2016	13:46	41
118	11/9/2016	13:47	21
119	11/9/2016	13:48	14
120	11/9/2016	13:49	23
121	11/9/2016	13:50	98
122	11/9/2016	13:51	70
123	11/9/2016	13:52	20
124	11/9/2016	13:53	16
125	11/9/2016	13:54	13
126	11/9/2016	13:55	43
127	11/9/2016	13:56	88
128	11/9/2016	13:57	47
129	11/9/2016	13:58	16
130	11/9/2016	13:59	16
131	11/9/2016	14:00	11
132	11/9/2016	14:01	8
133	11/9/2016	14:02	12
134	11/9/2016	14:03	8
135	11/9/2016	14:04	8
136	11/9/2016	14:05	9
137	11/9/2016	14:06	35
138	11/9/2016	14:07	41
139	11/9/2016	14:08	42
140	11/9/2016	14:09	24
141	11/9/2016	14:10	38
142	11/9/2016	14:11	30
143	11/9/2016	14:12	17
144	11/9/2016	14:13	19
145	11/9/2016	14:14	20
146	11/9/2016	14:15	89
147	11/9/2016	14:16	103
148	11/9/2016	14:17	99
149	11/9/2016	14:18	53
150	11/9/2016	14:19	144

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
151	11/9/2016	14:20	114
152	11/9/2016	14:21	45
153	11/9/2016	14:22	70
154	11/9/2016	14:23	46
155	11/9/2016	14:24	24
156	11/9/2016	14:25	77
157	11/9/2016	14:26	32
158	11/9/2016	14:27	10
159	11/9/2016	14:28	12
160	11/9/2016	14:29	11
161	11/9/2016	14:30	10
162	11/9/2016	14:31	9
163	11/9/2016	14:32	9
164	11/9/2016	14:33	12
165	11/9/2016	14:34	12
166	11/9/2016	14:35	21
167	11/9/2016	14:36	21
168	11/9/2016	14:37	17
169	11/9/2016	14:38	11
170	11/9/2016	14:39	9
171	11/9/2016	14:40	8
172	11/9/2016	14:41	8
173	11/9/2016	14:42	8
174	11/9/2016	14:43	8
175	11/9/2016	14:44	8
176	11/9/2016	14:45	10
177	11/9/2016	14:46	11
178	11/9/2016	14:47	18
179	11/9/2016	14:48	48
180	11/9/2016	14:49	11
181	11/9/2016	14:50	14
182	11/9/2016	14:51	14
183	11/9/2016	14:52	11
184	11/9/2016	14:53	9
185	11/9/2016	14:54	8
186	11/9/2016	14:55	8
187	11/9/2016	14:56	7
188	11/9/2016	14:57	13
189	11/9/2016	14:58	18
190	11/9/2016	14:59	15
191	11/9/2016	15:00	10
192	11/9/2016	15:01	9
193	11/9/2016	15:02	9
194	11/9/2016	15:03	8
195	11/9/2016	15:04	7
196	11/9/2016	15:05	7
197	11/9/2016	15:06	10
198	11/9/2016	15:07	9
199	11/9/2016	15:08	9
200	11/9/2016	15:09	8

µg/m^3 - micrograms per cubic meter

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
Steel Works Industrial Park Fire Site
November 9 through 10, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
201	11/9/2016	15:10	11
202	11/9/2016	15:11	15
203	11/9/2016	15:12	11
204	11/9/2016	15:13	17
205	11/9/2016	15:14	27
206	11/9/2016	15:15	51
207	11/9/2016	15:16	260
208	11/9/2016	15:17	174
209	11/9/2016	15:18	26
210	11/9/2016	15:19	10
211	11/9/2016	15:20	10
212	11/9/2016	15:21	10
213	11/9/2016	15:22	9
214	11/9/2016	15:23	9
215	11/9/2016	15:24	11
216	11/9/2016	15:25	10
217	11/9/2016	15:26	9
218	11/9/2016	15:27	10
219	11/9/2016	15:28	8
220	11/9/2016	15:29	8
221	11/9/2016	15:30	10
222	11/9/2016	15:31	10
223	11/9/2016	15:32	9
224	11/9/2016	15:33	11
225	11/9/2016	15:34	13
226	11/9/2016	15:35	17
227	11/9/2016	15:36	12
228	11/9/2016	15:37	43
229	11/9/2016	15:38	125
230	11/9/2016	15:39	142
231	11/9/2016	15:40	102
232	11/9/2016	15:41	32
233	11/9/2016	15:42	10
234	11/9/2016	15:43	9
235	11/9/2016	15:44	11
236	11/9/2016	15:45	13
237	11/9/2016	15:46	10
238	11/9/2016	15:47	11
239	11/9/2016	15:48	17
240	11/9/2016	15:49	12
241	11/9/2016	15:50	14
242	11/9/2016	15:51	57
243	11/9/2016	15:52	85
244	11/9/2016	15:53	89
245	11/9/2016	15:54	53
246	11/9/2016	15:55	68
247	11/9/2016	15:56	98
248	11/9/2016	15:57	36
249	11/9/2016	15:58	72
250	11/9/2016	15:59	109

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
251	11/9/2016	16:00	41
252	11/9/2016	16:01	100
253	11/9/2016	16:02	116
254	11/9/2016	16:03	121
255	11/9/2016	16:04	195
256	11/9/2016	16:05	133
257	11/9/2016	16:06	42
258	11/9/2016	16:07	29
259	11/9/2016	16:08	12
260	11/9/2016	16:09	11
261	11/9/2016	16:10	9
262	11/9/2016	16:11	9
263	11/9/2016	16:12	9
264	11/9/2016	16:13	9
265	11/9/2016	16:14	9
266	11/9/2016	16:15	8
267	11/9/2016	16:16	10
268	11/9/2016	16:17	11
269	11/9/2016	16:18	14
270	11/9/2016	16:19	10
271	11/9/2016	16:20	10
272	11/9/2016	16:21	13
273	11/9/2016	16:22	15
274	11/9/2016	16:23	10
275	11/9/2016	16:24	8
276	11/9/2016	16:25	8
277	11/9/2016	16:26	10
278	11/9/2016	16:27	36
279	11/9/2016	16:28	66
280	11/9/2016	16:29	204
281	11/9/2016	16:30	161
282	11/9/2016	16:31	66
283	11/9/2016	16:32	10
284	11/9/2016	16:33	24
285	11/9/2016	16:34	28
286	11/9/2016	16:35	10
287	11/9/2016	16:36	9
288	11/9/2016	16:37	16
289	11/9/2016	16:38	10
290	11/9/2016	16:39	13
291	11/9/2016	16:40	164
292	11/9/2016	16:41	515
293	11/9/2016	16:42	312
294	11/9/2016	16:43	72
295	11/9/2016	16:44	86
296	11/9/2016	16:45	119
297	11/9/2016	16:46	58
298	11/9/2016	16:47	59
299	11/9/2016	16:48	14
300	11/9/2016	16:49	27

$\mu g/m^3$ - micrograms per cubic meter

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
Steel Works Industrial Park Fire Site
November 9 through 10, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
301	11/9/2016	16:50	73
302	11/9/2016	16:51	66
303	11/9/2016	16:52	28
304	11/9/2016	16:53	17
305	11/9/2016	16:54	25
306	11/9/2016	16:55	16
307	11/9/2016	16:56	13
308	11/9/2016	16:57	16
309	11/9/2016	16:58	10
310	11/9/2016	16:59	10
311	11/9/2016	17:00	21
312	11/9/2016	17:01	41
313	11/9/2016	17:02	109
314	11/9/2016	17:03	311
315	11/9/2016	17:04	254
316	11/9/2016	17:05	223
317	11/9/2016	17:06	154
318	11/9/2016	17:07	160
319	11/9/2016	17:08	156
320	11/9/2016	17:09	25
321	11/9/2016	17:10	16
322	11/9/2016	17:11	53
323	11/9/2016	17:12	28
324	11/9/2016	17:13	24
325	11/9/2016	17:14	15
326	11/9/2016	17:15	15
327	11/9/2016	17:16	14
328	11/9/2016	17:17	36
329	11/9/2016	17:18	56
330	11/9/2016	17:19	96
331	11/9/2016	17:20	167
332	11/9/2016	17:21	115
333	11/9/2016	17:22	207
334	11/9/2016	17:23	333
335	11/9/2016	17:24	240
336	11/9/2016	17:25	312
337	11/9/2016	17:26	444
338	11/9/2016	17:27	964
339	11/9/2016	17:28	818
340	11/9/2016	17:29	616
341	11/9/2016	17:30	531
342	11/9/2016	17:41	666
343	11/9/2016	17:42	467
344	11/9/2016	17:43	406
345	11/9/2016	17:44	141
346	11/9/2016	17:45	85
347	11/9/2016	17:46	57
348	11/9/2016	17:47	31
349	11/9/2016	17:48	67
350	11/9/2016	17:49	125

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
351	11/9/2016	17:50	100
352	11/9/2016	17:51	26
353	11/9/2016	17:52	50
354	11/9/2016	17:53	147
355	11/9/2016	17:54	100
356	11/9/2016	17:55	158
357	11/9/2016	17:56	45
358	11/9/2016	17:57	21
359	11/9/2016	17:58	13
360	11/9/2016	17:59	12
361	11/9/2016	18:00	16
362	11/9/2016	18:01	14
363	11/9/2016	18:02	12
364	11/9/2016	18:03	14
365	11/9/2016	18:04	28
366	11/9/2016	18:05	43
367	11/9/2016	18:06	43
368	11/9/2016	18:07	75
369	11/9/2016	18:08	160
370	11/9/2016	18:09	160
371	11/9/2016	18:10	142
372	11/9/2016	18:11	137
373	11/9/2016	18:12	121
374	11/9/2016	18:13	97
375	11/9/2016	18:14	98
376	11/9/2016	18:15	122
377	11/9/2016	18:16	35
378	11/9/2016	18:17	42
379	11/9/2016	18:18	35
380	11/9/2016	18:19	130
381	11/9/2016	18:20	34
382	11/9/2016	18:21	14
383	11/9/2016	18:22	12
384	11/9/2016	18:23	14
385	11/9/2016	18:24	19
386	11/9/2016	18:25	22
387	11/9/2016	18:26	39
388	11/9/2016	18:27	92
389	11/9/2016	18:28	51
390	11/9/2016	18:29	8
391	11/9/2016	18:30	14
392	11/9/2016	18:31	12
393	11/9/2016	18:32	11
394	11/9/2016	18:33	11
395	11/9/2016	18:34	8
396	11/9/2016	18:35	8
397	11/9/2016	18:36	8
398	11/9/2016	18:37	8
399	11/9/2016	18:38	9
400	11/9/2016	18:39	10

µg/m^3 - micrograms per cubic meter

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
Steel Works Industrial Park Fire Site
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Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
401	11/9/2016	18:40	10
402	11/9/2016	18:41	10
403	11/9/2016	18:42	13
404	11/9/2016	18:43	16
405	11/9/2016	18:44	12
406	11/9/2016	18:45	10
407	11/9/2016	18:46	14
408	11/9/2016	18:47	21
409	11/9/2016	18:48	38
410	11/9/2016	18:49	43
411	11/9/2016	18:50	18
412	11/9/2016	18:51	17
413	11/9/2016	18:52	12
414	11/9/2016	18:53	31
415	11/9/2016	18:54	11
416	11/9/2016	18:55	10
417	11/9/2016	18:56	7
418	11/9/2016	18:57	7
419	11/9/2016	18:58	7
420	11/9/2016	18:59	8
421	11/9/2016	19:00	8
422	11/9/2016	19:01	9
423	11/9/2016	19:02	8
424	11/9/2016	19:03	9
425	11/9/2016	19:04	10
426	11/9/2016	19:05	14
427	11/9/2016	19:06	37
428	11/9/2016	19:07	16
429	11/9/2016	19:08	7
430	11/9/2016	19:09	35
431	11/9/2016	19:10	56
432	11/9/2016	19:11	93
433	11/9/2016	19:12	117
434	11/9/2016	19:13	133
435	11/9/2016	19:14	128
436	11/9/2016	19:15	160
437	11/9/2016	19:16	238
438	11/9/2016	19:17	162
439	11/9/2016	19:18	125
440	11/9/2016	19:19	57
441	11/9/2016	19:20	46
442	11/9/2016	19:21	53
443	11/9/2016	19:22	116
444	11/9/2016	19:23	225
445	11/9/2016	19:24	151
446	11/9/2016	19:25	157
447	11/9/2016	19:26	75
448	11/9/2016	19:27	126
449	11/9/2016	19:28	79
450	11/9/2016	19:29	78

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
451	11/9/2016	19:30	77
452	11/9/2016	19:31	127
453	11/9/2016	19:32	91
454	11/9/2016	19:33	37
455	11/9/2016	19:34	25
456	11/9/2016	19:35	29
457	11/9/2016	19:36	32
458	11/9/2016	19:37	36
459	11/9/2016	19:38	39
460	11/9/2016	19:39	64
461	11/9/2016	19:40	61
462	11/9/2016	19:41	60
463	11/9/2016	19:42	154
464	11/9/2016	19:43	138
465	11/9/2016	19:44	82
466	11/9/2016	19:45	51
467	11/9/2016	19:46	45
468	11/9/2016	19:47	63
469	11/9/2016	19:48	41
470	11/9/2016	19:49	27
471	11/9/2016	19:50	20
472	11/9/2016	19:51	43
473	11/9/2016	19:52	209
474	11/9/2016	19:53	343
475	11/9/2016	19:54	197
476	11/9/2016	19:55	147
477	11/9/2016	19:56	89
478	11/9/2016	19:57	29
479	11/9/2016	19:58	34
480	11/9/2016	19:59	51
481	11/9/2016	20:00	28
482	11/9/2016	20:01	24
483	11/9/2016	20:02	50
484	11/9/2016	20:03	70
485	11/9/2016	20:04	118
486	11/9/2016	20:05	129
487	11/9/2016	20:06	156
488	11/9/2016	20:07	432
489	11/9/2016	20:08	286
490	11/9/2016	20:09	227
491	11/9/2016	20:10	165
492	11/9/2016	20:11	145
493	11/9/2016	20:12	130
494	11/9/2016	20:13	102
495	11/9/2016	20:14	56
496	11/9/2016	20:15	18
497	11/9/2016	20:16	11
498	11/9/2016	20:17	10
499	11/9/2016	20:18	10
500	11/9/2016	20:19	10

µg/m^3 - micrograms per cubic meter

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
Steel Works Industrial Park Fire Site
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
501	11/9/2016	20:20	11
502	11/9/2016	20:21	11
503	11/9/2016	20:22	10
504	11/9/2016	20:23	11
505	11/9/2016	20:24	11
506	11/9/2016	20:25	10
507	11/9/2016	20:26	9
508	11/9/2016	20:27	9
509	11/9/2016	20:28	9
510	11/9/2016	20:29	10
511	11/9/2016	20:30	9
512	11/9/2016	20:31	10
513	11/9/2016	20:32	12
514	11/9/2016	20:33	11
515	11/9/2016	20:34	10
516	11/9/2016	20:35	10
517	11/9/2016	20:36	9
518	11/9/2016	20:37	9
519	11/9/2016	20:38	8
520	11/9/2016	20:39	9
521	11/9/2016	20:40	10
522	11/9/2016	20:41	12
523	11/9/2016	20:42	10
524	11/9/2016	20:43	8
525	11/9/2016	20:44	9
526	11/9/2016	20:45	10
527	11/9/2016	20:46	11
528	11/9/2016	20:47	10
529	11/9/2016	20:48	8
530	11/9/2016	20:49	7
531	11/9/2016	20:50	6
532	11/9/2016	20:51	6
533	11/9/2016	20:52	7
534	11/9/2016	20:53	7
535	11/9/2016	20:54	7
536	11/9/2016	20:55	7
537	11/9/2016	20:56	7
538	11/9/2016	20:57	8
539	11/9/2016	20:58	8
540	11/9/2016	20:59	7
541	11/9/2016	21:00	7
542	11/9/2016	21:01	6
543	11/9/2016	21:02	6
544	11/9/2016	21:03	6
545	11/9/2016	21:04	7
546	11/9/2016	21:05	7
547	11/9/2016	21:06	7
548	11/9/2016	21:07	7
549	11/9/2016	21:08	7
550	11/9/2016	21:09	7

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
551	11/9/2016	21:10	7
552	11/9/2016	21:11	7
553	11/9/2016	21:12	8
554	11/9/2016	21:13	7
555	11/9/2016	21:14	7
556	11/9/2016	21:15	7
557	11/9/2016	21:16	7
558	11/9/2016	21:17	7
559	11/9/2016	21:18	7
560	11/9/2016	21:19	8
561	11/9/2016	21:20	8
562	11/9/2016	21:21	7
563	11/9/2016	21:22	7
564	11/9/2016	21:23	7
565	11/9/2016	21:24	8
566	11/9/2016	21:25	8
567	11/9/2016	21:26	8
568	11/9/2016	21:27	7
569	11/9/2016	21:28	7
570	11/9/2016	21:29	6
571	11/9/2016	21:30	7
572	11/9/2016	21:31	7
573	11/9/2016	21:32	7
574	11/9/2016	21:33	8
575	11/9/2016	21:34	7
576	11/9/2016	21:35	6
577	11/9/2016	21:36	6
578	11/9/2016	21:37	6
579	11/9/2016	21:38	6
580	11/9/2016	21:39	6
581	11/9/2016	21:40	6
582	11/9/2016	21:41	6
583	11/9/2016	21:42	5
584	11/9/2016	21:43	5
585	11/9/2016	21:44	6
586	11/9/2016	21:45	6
587	11/9/2016	21:46	5
588	11/9/2016	21:47	5
589	11/9/2016	21:48	5
590	11/9/2016	21:49	5
591	11/9/2016	21:50	5
592	11/9/2016	21:51	5
593	11/9/2016	21:52	5
594	11/9/2016	21:53	5
595	11/9/2016	21:54	6
596	11/9/2016	21:55	5
597	11/9/2016	21:56	5
598	11/9/2016	21:57	5
599	11/9/2016	21:58	5
600	11/9/2016	21:59	5

$\mu g/m^3$ - micrograms per cubic meter

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
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Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
601	11/9/2016	22:00	5
602	11/9/2016	22:01	5
603	11/9/2016	22:02	5
604	11/9/2016	22:03	5
605	11/9/2016	22:04	5
606	11/9/2016	22:05	5
607	11/9/2016	22:06	6
608	11/9/2016	22:07	5
609	11/9/2016	22:08	5
610	11/9/2016	22:09	5
611	11/9/2016	22:10	9
612	11/9/2016	22:11	8
613	11/9/2016	22:12	6
614	11/9/2016	22:13	35
615	11/9/2016	22:14	75
616	11/9/2016	22:15	30
617	11/9/2016	22:16	11
618	11/9/2016	22:17	5
619	11/9/2016	22:18	5
620	11/9/2016	22:19	5
621	11/9/2016	22:20	5
622	11/9/2016	22:21	5
623	11/9/2016	22:22	5
624	11/9/2016	22:23	5
625	11/9/2016	22:24	5
626	11/9/2016	22:25	5
627	11/9/2016	22:26	4
628	11/9/2016	22:27	4
629	11/9/2016	22:28	5
630	11/9/2016	22:29	6
631	11/9/2016	22:30	4
632	11/9/2016	22:31	4
633	11/9/2016	22:32	5
634	11/9/2016	22:33	5
635	11/9/2016	22:34	5
636	11/9/2016	22:35	5
637	11/9/2016	22:36	4
638	11/9/2016	22:37	5
639	11/9/2016	22:38	6
640	11/9/2016	22:39	7
641	11/9/2016	22:40	7
642	11/9/2016	22:41	5
643	11/9/2016	22:42	5
644	11/9/2016	22:43	4
645	11/9/2016	22:44	5
646	11/9/2016	22:45	5
647	11/9/2016	22:46	5
648	11/9/2016	22:47	6
649	11/9/2016	22:48	5
650	11/9/2016	22:49	5

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
651	11/9/2016	22:50	5
652	11/9/2016	22:51	6
653	11/9/2016	22:52	14
654	11/9/2016	22:53	9
655	11/9/2016	22:54	6
656	11/9/2016	22:55	5
657	11/9/2016	22:56	5
658	11/9/2016	22:57	5
659	11/9/2016	22:58	5
660	11/9/2016	22:59	5
661	11/9/2016	23:00	5
662	11/9/2016	23:01	5
663	11/9/2016	23:02	6
664	11/9/2016	23:03	8
665	11/9/2016	23:04	9
666	11/9/2016	23:05	7
667	11/9/2016	23:06	6
668	11/9/2016	23:07	6
669	11/9/2016	23:08	6
670	11/9/2016	23:09	5
671	11/9/2016	23:10	5
672	11/9/2016	23:11	5
673	11/9/2016	23:12	5
674	11/9/2016	23:13	5
675	11/9/2016	23:14	6
676	11/9/2016	23:15	6
677	11/9/2016	23:16	8
678	11/9/2016	23:17	7
679	11/9/2016	23:18	6
680	11/9/2016	23:19	10
681	11/9/2016	23:20	8
682	11/9/2016	23:21	7
683	11/9/2016	23:22	127
684	11/9/2016	23:23	135
685	11/9/2016	23:24	112
686	11/9/2016	23:25	88
687	11/9/2016	23:26	41
688	11/9/2016	23:27	25
689	11/9/2016	23:28	19
690	11/9/2016	23:29	15
691	11/9/2016	23:30	9
692	11/9/2016	23:31	9
693	11/9/2016	23:32	8
694	11/9/2016	23:33	9
695	11/9/2016	23:34	10
696	11/9/2016	23:35	14
697	11/9/2016	23:36	11
698	11/9/2016	23:37	7
699	11/9/2016	23:38	7
700	11/9/2016	23:39	6

µg/m^3 - micrograms per cubic meter

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
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Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
701	11/9/2016	23:40	6
702	11/9/2016	23:41	6
703	11/9/2016	23:42	6
704	11/9/2016	23:43	6
705	11/9/2016	23:44	6
706	11/9/2016	23:45	10
707	11/9/2016	23:46	30
708	11/9/2016	23:47	13
709	11/9/2016	23:48	36
710	11/9/2016	23:49	241
711	11/9/2016	23:50	144
712	11/9/2016	23:51	115
713	11/9/2016	23:52	96
714	11/9/2016	23:53	105
715	11/9/2016	23:54	80
716	11/9/2016	23:55	49
717	11/9/2016	23:56	13
718	11/9/2016	23:57	6
719	11/9/2016	23:58	6
720	11/9/2016	23:59	8
721	11/10/2016	0:00	8
722	11/10/2016	0:01	8
723	11/10/2016	0:02	10
724	11/10/2016	0:03	11
725	11/10/2016	0:04	10
726	11/10/2016	0:05	8
727	11/10/2016	0:06	9
728	11/10/2016	0:07	10
729	11/10/2016	0:08	17
730	11/10/2016	0:09	34
731	11/10/2016	0:10	30
732	11/10/2016	0:11	22
733	11/10/2016	0:12	21
734	11/10/2016	0:13	18
735	11/10/2016	0:14	117
736	11/10/2016	0:15	60
737	11/10/2016	0:16	56
738	11/10/2016	0:17	224
739	11/10/2016	0:18	223
740	11/10/2016	0:19	50
741	11/10/2016	0:20	139
742	11/10/2016	0:21	148
743	11/10/2016	0:22	155
744	11/10/2016	0:23	155
745	11/10/2016	0:24	124
746	11/10/2016	0:25	153
747	11/10/2016	0:26	72
748	11/10/2016	0:27	70
749	11/10/2016	0:28	72
750	11/10/2016	0:29	88

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
751	11/10/2016	0:30	81
752	11/10/2016	0:31	100
753	11/10/2016	0:32	92
754	11/10/2016	0:33	109
755	11/10/2016	0:34	101
756	11/10/2016	0:35	110
757	11/10/2016	0:36	98
758	11/10/2016	0:37	75
759	11/10/2016	0:38	69
760	11/10/2016	0:39	71
761	11/10/2016	0:40	86
762	11/10/2016	0:41	92
763	11/10/2016	0:42	85
764	11/10/2016	0:43	88
765	11/10/2016	0:44	84
766	11/10/2016	0:45	84
767	11/10/2016	0:46	87
768	11/10/2016	0:47	81
769	11/10/2016	0:48	71
770	11/10/2016	0:49	72
771	11/10/2016	0:50	69
772	11/10/2016	0:51	78
773	11/10/2016	0:52	82
774	11/10/2016	0:53	87
775	11/10/2016	0:54	87
776	11/10/2016	0:55	80
777	11/10/2016	0:56	75
778	11/10/2016	0:57	81
779	11/10/2016	0:58	82
780	11/10/2016	0:59	77
781	11/10/2016	1:00	76
782	11/10/2016	1:01	76
783	11/10/2016	1:02	76
784	11/10/2016	1:03	74
785	11/10/2016	1:04	92
786	11/10/2016	1:05	94
787	11/10/2016	1:06	77
788	11/10/2016	1:07	71
789	11/10/2016	1:08	72
790	11/10/2016	1:09	71
791	11/10/2016	1:10	70
792	11/10/2016	1:11	71
793	11/10/2016	1:12	70
794	11/10/2016	1:13	69
795	11/10/2016	1:14	63
796	11/10/2016	1:15	53
797	11/10/2016	1:16	28
798	11/10/2016	1:17	15
799	11/10/2016	1:18	21
800	11/10/2016	1:19	34

µg/m^3 - micrograms per cubic meter

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
Steel Works Industrial Park Fire Site
November 9 through 10, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
801	11/10/2016	1:20	31
802	11/10/2016	1:21	27
803	11/10/2016	1:22	19
804	11/10/2016	1:23	14
805	11/10/2016	1:24	9
806	11/10/2016	1:25	8
807	11/10/2016	1:26	8
808	11/10/2016	1:27	12
809	11/10/2016	1:28	14
810	11/10/2016	1:29	16
811	11/10/2016	1:30	8
812	11/10/2016	1:31	8
813	11/10/2016	1:32	7
814	11/10/2016	1:33	6
815	11/10/2016	1:34	6
816	11/10/2016	1:35	6
817	11/10/2016	1:36	6
818	11/10/2016	1:37	6
819	11/10/2016	1:38	6
820	11/10/2016	1:39	6
821	11/10/2016	1:40	6
822	11/10/2016	1:41	6
823	11/10/2016	1:42	6
824	11/10/2016	1:43	6
825	11/10/2016	1:44	7
826	11/10/2016	1:45	7
827	11/10/2016	1:46	8
828	11/10/2016	1:47	8
829	11/10/2016	1:48	8
830	11/10/2016	1:49	9
831	11/10/2016	1:50	9
832	11/10/2016	1:51	9
833	11/10/2016	1:52	9
834	11/10/2016	1:53	9
835	11/10/2016	1:54	9
836	11/10/2016	1:55	8
837	11/10/2016	1:56	8
838	11/10/2016	1:57	8
839	11/10/2016	1:58	8
840	11/10/2016	1:59	8
841	11/10/2016	2:00	7
842	11/10/2016	2:01	7
843	11/10/2016	2:02	8
844	11/10/2016	2:03	8
845	11/10/2016	2:04	8
846	11/10/2016	2:05	8
847	11/10/2016	2:06	8
848	11/10/2016	2:07	8
849	11/10/2016	2:08	8
850	11/10/2016	2:09	8

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
851	11/10/2016	2:10	8
852	11/10/2016	2:11	8
853	11/10/2016	2:12	8
854	11/10/2016	2:13	8
855	11/10/2016	2:14	9
856	11/10/2016	2:15	9
857	11/10/2016	2:16	8
858	11/10/2016	2:17	9
859	11/10/2016	2:18	16
860	11/10/2016	2:19	13
861	11/10/2016	2:20	9
862	11/10/2016	2:21	9
863	11/10/2016	2:22	14
864	11/10/2016	2:23	10
865	11/10/2016	2:24	9
866	11/10/2016	2:25	9
867	11/10/2016	2:26	9
868	11/10/2016	2:27	10
869	11/10/2016	2:28	10
870	11/10/2016	2:29	10
871	11/10/2016	2:30	10
872	11/10/2016	2:31	10
873	11/10/2016	2:32	10
874	11/10/2016	2:33	10
875	11/10/2016	2:34	10
876	11/10/2016	2:35	10
877	11/10/2016	2:36	10
878	11/10/2016	2:37	10
879	11/10/2016	2:38	10
880	11/10/2016	2:39	9
881	11/10/2016	2:40	10
882	11/10/2016	2:41	10
883	11/10/2016	2:42	10
884	11/10/2016	2:43	10
885	11/10/2016	2:44	10
886	11/10/2016	2:45	10
887	11/10/2016	2:46	10
888	11/10/2016	2:47	10
889	11/10/2016	2:48	10
890	11/10/2016	2:49	10
891	11/10/2016	2:50	9
892	11/10/2016	2:51	9
893	11/10/2016	2:52	9
894	11/10/2016	2:53	11
895	11/10/2016	2:54	12
896	11/10/2016	2:55	13
897	11/10/2016	2:56	12
898	11/10/2016	2:57	11
899	11/10/2016	2:58	11
900	11/10/2016	2:59	11

$\mu g/m^3$ - micrograms per cubic meter

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
Steel Works Industrial Park Fire Site
November 9 through 10, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
901	11/10/2016	3:00	11
902	11/10/2016	3:01	11
903	11/10/2016	3:02	11
904	11/10/2016	3:03	10
905	11/10/2016	3:04	10
906	11/10/2016	3:05	10
907	11/10/2016	3:06	10
908	11/10/2016	3:07	10
909	11/10/2016	3:08	10
910	11/10/2016	3:09	10
911	11/10/2016	3:10	11
912	11/10/2016	3:11	11
913	11/10/2016	3:12	11
914	11/10/2016	3:13	11
915	11/10/2016	3:14	12
916	11/10/2016	3:15	12
917	11/10/2016	3:16	12
918	11/10/2016	3:17	13
919	11/10/2016	3:18	13
920	11/10/2016	3:19	12
921	11/10/2016	3:20	13
922	11/10/2016	3:21	13
923	11/10/2016	3:22	13
924	11/10/2016	3:23	13
925	11/10/2016	3:24	14
926	11/10/2016	3:25	14
927	11/10/2016	3:26	14
928	11/10/2016	3:27	14
929	11/10/2016	3:28	15
930	11/10/2016	3:29	15
931	11/10/2016	3:30	14
932	11/10/2016	3:31	15
933	11/10/2016	3:32	15
934	11/10/2016	3:33	15
935	11/10/2016	3:34	15
936	11/10/2016	3:35	15
937	11/10/2016	3:36	16
938	11/10/2016	3:37	16
939	11/10/2016	3:38	15
940	11/10/2016	3:39	16
941	11/10/2016	3:40	16
942	11/10/2016	3:41	16
943	11/10/2016	3:42	16
944	11/10/2016	3:43	16
945	11/10/2016	3:44	16
946	11/10/2016	3:45	16
947	11/10/2016	3:46	16
948	11/10/2016	3:47	16
949	11/10/2016	3:48	16
950	11/10/2016	3:49	17

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
951	11/10/2016	3:50	16
952	11/10/2016	3:51	16
953	11/10/2016	3:52	16
954	11/10/2016	3:53	16
955	11/10/2016	3:54	16
956	11/10/2016	3:55	17
957	11/10/2016	3:56	17
958	11/10/2016	3:57	17
959	11/10/2016	3:58	17
960	11/10/2016	3:59	18
961	11/10/2016	4:00	18
962	11/10/2016	4:01	16
963	11/10/2016	4:02	15
964	11/10/2016	4:03	16
965	11/10/2016	4:04	15
966	11/10/2016	4:05	15
967	11/10/2016	4:06	15
968	11/10/2016	4:07	15
969	11/10/2016	4:08	15
970	11/10/2016	4:09	15
971	11/10/2016	4:10	15
972	11/10/2016	4:11	15
973	11/10/2016	4:12	14
974	11/10/2016	4:13	16
975	11/10/2016	4:14	17
976	11/10/2016	4:15	19
977	11/10/2016	4:16	20
978	11/10/2016	4:17	21
979	11/10/2016	4:18	21
980	11/10/2016	4:19	21
981	11/10/2016	4:20	23
982	11/10/2016	4:21	25
983	11/10/2016	4:22	23
984	11/10/2016	4:23	23
985	11/10/2016	4:24	20
986	11/10/2016	4:25	21
987	11/10/2016	4:26	21
988	11/10/2016	4:27	21
989	11/10/2016	4:28	20
990	11/10/2016	4:29	19
991	11/10/2016	4:30	20
992	11/10/2016	4:31	20
993	11/10/2016	4:32	19
994	11/10/2016	4:33	19
995	11/10/2016	4:34	19
996	11/10/2016	4:35	20
997	11/10/2016	4:36	20
998	11/10/2016	4:37	20
999	11/10/2016	4:38	19
1000	11/10/2016	4:39	19

µg/m^3 - micrograms per cubic meter

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
Steel Works Industrial Park Fire Site
November 9 through 10, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1001	11/10/2016	4:40	19
1002	11/10/2016	4:41	18
1003	11/10/2016	4:42	19
1004	11/10/2016	4:43	19
1005	11/10/2016	4:44	20
1006	11/10/2016	4:45	19
1007	11/10/2016	4:46	19
1008	11/10/2016	4:47	19
1009	11/10/2016	4:48	19
1010	11/10/2016	4:49	19
1011	11/10/2016	4:50	19
1012	11/10/2016	4:51	18
1013	11/10/2016	4:52	18
1014	11/10/2016	4:53	18
1015	11/10/2016	4:54	18
1016	11/10/2016	4:55	18
1017	11/10/2016	4:56	18
1018	11/10/2016	4:57	18
1019	11/10/2016	4:58	18
1020	11/10/2016	4:59	18
1021	11/10/2016	5:00	18
1022	11/10/2016	5:01	18
1023	11/10/2016	5:02	18
1024	11/10/2016	5:03	17
1025	11/10/2016	5:04	17
1026	11/10/2016	5:05	17
1027	11/10/2016	5:06	17
1028	11/10/2016	5:07	18
1029	11/10/2016	5:08	17
1030	11/10/2016	5:09	18
1031	11/10/2016	5:10	17
1032	11/10/2016	5:11	17
1033	11/10/2016	5:12	17
1034	11/10/2016	5:13	17
1035	11/10/2016	5:14	17
1036	11/10/2016	5:15	17
1037	11/10/2016	5:16	17
1038	11/10/2016	5:17	17
1039	11/10/2016	5:18	17
1040	11/10/2016	5:19	17
1041	11/10/2016	5:20	17
1042	11/10/2016	5:21	17
1043	11/10/2016	5:22	17
1044	11/10/2016	5:23	17
1045	11/10/2016	5:24	17
1046	11/10/2016	5:25	16
1047	11/10/2016	5:26	16
1048	11/10/2016	5:27	16
1049	11/10/2016	5:28	16
1050	11/10/2016	5:29	16

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1051	11/10/2016	5:30	16
1052	11/10/2016	5:31	16
1053	11/10/2016	5:32	16
1054	11/10/2016	5:33	17
1055	11/10/2016	5:34	16
1056	11/10/2016	5:35	16
1057	11/10/2016	5:36	16
1058	11/10/2016	5:37	15
1059	11/10/2016	5:38	16
1060	11/10/2016	5:39	16
1061	11/10/2016	5:40	16
1062	11/10/2016	8:14	6
1063	11/10/2016	8:15	6
1064	11/10/2016	8:16	6
1065	11/10/2016	8:17	6
1066	11/10/2016	8:18	6
1067	11/10/2016	8:19	6
1068	11/10/2016	8:20	6
1069	11/10/2016	8:21	6
1070	11/10/2016	8:22	7
1071	11/10/2016	8:23	6
1072	11/10/2016	8:24	7
1073	11/10/2016	8:25	7
1074	11/10/2016	8:26	6
1075	11/10/2016	8:27	6
1076	11/10/2016	8:28	6
1077	11/10/2016	8:29	6
1078	11/10/2016	8:30	6
1079	11/10/2016	8:31	7
1080	11/10/2016	8:32	8
1081	11/10/2016	8:33	7
1082	11/10/2016	8:34	7
1083	11/10/2016	8:35	7
1084	11/10/2016	8:36	7
1085	11/10/2016	8:37	7
1086	11/10/2016	8:38	7
1087	11/10/2016	8:39	7
1088	11/10/2016	8:40	7
1089	11/10/2016	8:41	8
1090	11/10/2016	8:42	8
1091	11/10/2016	8:43	8
1092	11/10/2016	8:44	8
1093	11/10/2016	8:45	8
1094	11/10/2016	8:46	8
1095	11/10/2016	8:47	8
1096	11/10/2016	8:48	8
1097	11/10/2016	8:49	8
1098	11/10/2016	8:50	9
1099	11/10/2016	8:51	8
1100	11/10/2016	8:52	8

$\mu g/m^3$ - micrograms per cubic meter

Table 1: Station AS001 Particulates Results
Hot Zone (Approximately 100 Yards from Fire)
Steel Works Industrial Park Fire Site
November 9 through 10, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1101	11/10/2016	8:53	8
1102	11/10/2016	8:54	9
1103	11/10/2016	8:55	8
1104	11/10/2016	8:56	11
1105	11/10/2016	8:57	9
1106	11/10/2016	8:58	9
1107	11/10/2016	8:59	8
1108	11/10/2016	9:00	11

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1109	11/10/2016	9:01	9
1110	11/10/2016	9:02	9
1111	11/10/2016	9:03	9
1112	11/10/2016	9:04	9
1113	11/10/2016	9:05	9
1114	11/10/2016	9:06	9
1115	11/10/2016	9:07	9

$\mu g/m^3$ - micrograms per cubic meter

Table 2: Station AS002 Particulates Results
Charlotte Avenue Elementary School
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1	11/9/2016	13:17	10
2	11/9/2016	13:18	8
3	11/9/2016	13:19	12
4	11/9/2016	13:20	7
5	11/9/2016	13:21	3
6	11/9/2016	13:22	3
7	11/9/2016	13:23	5
8	11/9/2016	13:24	10
9	11/9/2016	13:25	12
10	11/9/2016	13:26	15
11	11/9/2016	13:27	12
12	11/9/2016	13:28	14
13	11/9/2016	13:29	10
14	11/9/2016	13:30	9
15	11/9/2016	13:31	7
16	11/9/2016	13:32	8
17	11/9/2016	13:33	13
18	11/9/2016	13:34	15
19	11/9/2016	13:35	56
20	11/9/2016	13:36	72
21	11/9/2016	13:37	68
22	11/9/2016	13:38	76
23	11/9/2016	13:39	75
24	11/9/2016	13:40	75
25	11/9/2016	13:41	72
26	11/9/2016	13:42	65
27	11/9/2016	13:43	57
28	11/9/2016	13:44	45
29	11/9/2016	13:45	42
30	11/9/2016	13:46	39
31	11/9/2016	13:47	33
32	11/9/2016	13:48	30
33	11/9/2016	13:49	24
34	11/9/2016	13:50	19
35	11/9/2016	13:51	13
36	11/9/2016	13:52	7
37	11/9/2016	13:53	2
38	11/9/2016	13:54	0
39	11/9/2016	13:55	0
40	11/9/2016	13:56	0
41	11/9/2016	13:57	0
42	11/9/2016	13:58	1
43	11/9/2016	13:59	1
44	11/9/2016	14:00	1
45	11/9/2016	14:01	1
46	11/9/2016	14:02	1
47	11/9/2016	14:03	1
48	11/9/2016	14:04	2
49	11/9/2016	14:05	1
50	11/9/2016	14:06	1

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
51	11/9/2016	14:07	2
52	11/9/2016	14:08	2
53	11/9/2016	14:09	1
54	11/9/2016	14:10	0
55	11/9/2016	14:11	1
56	11/9/2016	14:12	1
57	11/9/2016	14:13	0
58	11/9/2016	14:14	0
59	11/9/2016	14:15	0
60	11/9/2016	14:16	0
61	11/9/2016	14:17	0
62	11/9/2016	14:18	0
63	11/9/2016	14:19	1
64	11/9/2016	14:20	0
65	11/9/2016	14:21	0
66	11/9/2016	14:22	0
67	11/9/2016	14:23	0
68	11/9/2016	14:24	0
69	11/9/2016	14:25	0
70	11/9/2016	14:26	0
71	11/9/2016	14:27	0
72	11/9/2016	14:28	0
73	11/9/2016	14:29	0
74	11/9/2016	14:30	0
75	11/9/2016	14:31	0
76	11/9/2016	14:32	0
77	11/9/2016	14:33	0
78	11/9/2016	14:34	0
79	11/9/2016	14:35	0
80	11/9/2016	14:36	0
81	11/9/2016	14:37	0
82	11/9/2016	14:38	0
83	11/9/2016	14:39	0
84	11/9/2016	14:40	0
85	11/9/2016	14:41	0
86	11/9/2016	14:42	1
87	11/9/2016	14:43	1
88	11/9/2016	14:44	1
89	11/9/2016	14:45	1
90	11/9/2016	14:46	1
91	11/9/2016	14:47	1
92	11/9/2016	14:48	1
93	11/9/2016	14:49	1
94	11/9/2016	14:50	1
95	11/9/2016	14:51	1
96	11/9/2016	14:52	1
97	11/9/2016	14:53	1
98	11/9/2016	14:54	1
99	11/9/2016	14:55	1
100	11/9/2016	14:56	1

$\mu g/m^3$ - micrograms per cubic meter

Table 2: Station AS002 Particulates Results
Charlotte Avenue Elementary School
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
101	11/9/2016	14:57	1
102	11/9/2016	14:58	1
103	11/9/2016	14:59	1
104	11/9/2016	15:00	0
105	11/9/2016	15:01	1
106	11/9/2016	15:02	0
107	11/9/2016	15:03	0
108	11/9/2016	15:04	0
109	11/9/2016	15:05	0
110	11/9/2016	15:06	0
111	11/9/2016	15:07	0
112	11/9/2016	15:08	0
113	11/9/2016	15:09	0
114	11/9/2016	15:10	0
115	11/9/2016	15:11	1
116	11/9/2016	15:12	0
117	11/9/2016	15:13	0
118	11/9/2016	15:14	0
119	11/9/2016	15:15	0
120	11/9/2016	15:16	0
121	11/9/2016	15:17	0
122	11/9/2016	15:18	0
123	11/9/2016	15:19	0
124	11/9/2016	15:20	0
125	11/9/2016	15:21	0
126	11/9/2016	15:22	0
127	11/9/2016	15:23	0
128	11/9/2016	15:24	0
129	11/9/2016	15:25	0
130	11/9/2016	15:26	0
131	11/9/2016	15:27	0
132	11/9/2016	15:28	0
133	11/9/2016	15:29	1
134	11/9/2016	15:30	0
135	11/9/2016	15:31	0
136	11/9/2016	15:32	0
137	11/9/2016	15:33	1
138	11/9/2016	15:34	1
139	11/9/2016	15:35	1
140	11/9/2016	15:36	1
141	11/9/2016	15:37	1
142	11/9/2016	15:38	1
143	11/9/2016	15:39	1
144	11/9/2016	15:40	1
145	11/9/2016	15:41	1
146	11/9/2016	15:42	1
147	11/9/2016	15:43	1
148	11/9/2016	15:44	1
149	11/9/2016	15:45	1
150	11/9/2016	15:46	1

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
151	11/9/2016	15:47	1
152	11/9/2016	15:48	1
153	11/9/2016	15:49	1
154	11/9/2016	15:50	0
155	11/9/2016	15:51	0
156	11/9/2016	15:52	0
157	11/9/2016	15:53	0
158	11/9/2016	15:54	1
159	11/9/2016	15:55	1
160	11/9/2016	15:56	1
161	11/9/2016	15:57	1
162	11/9/2016	15:58	0
163	11/9/2016	15:59	0
164	11/9/2016	16:00	0
165	11/9/2016	16:01	4
166	11/9/2016	16:02	1
167	11/9/2016	16:03	1
168	11/9/2016	16:04	1
169	11/9/2016	16:05	1
170	11/9/2016	16:06	1
171	11/9/2016	16:07	1
172	11/9/2016	16:08	1
173	11/9/2016	16:09	1
174	11/9/2016	16:10	1
175	11/9/2016	16:11	1
176	11/9/2016	16:12	1
177	11/9/2016	16:13	1
178	11/9/2016	16:14	1
179	11/9/2016	16:15	1
180	11/9/2016	16:16	1
181	11/9/2016	16:17	0
182	11/9/2016	16:18	0
183	11/9/2016	16:19	0
184	11/9/2016	16:20	0
185	11/9/2016	16:21	0
186	11/9/2016	16:22	0
187	11/9/2016	16:23	1
188	11/9/2016	16:24	1
189	11/9/2016	16:25	0
190	11/9/2016	16:26	1
191	11/9/2016	16:27	1
192	11/9/2016	16:28	1
193	11/9/2016	16:29	1
194	11/9/2016	16:30	1
195	11/9/2016	16:31	1
196	11/9/2016	16:32	1
197	11/9/2016	16:33	0
198	11/9/2016	16:34	1

µg/m^3 - micrograms per cubic meter

Table 3: Station AS003 Particulates Results
Union Pleasant Elementary School
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1	11/9/2016	13:40	10
2	11/9/2016	13:41	4
3	11/9/2016	13:42	3
4	11/9/2016	13:43	3
5	11/9/2016	13:44	3
6	11/9/2016	13:45	3
7	11/9/2016	13:46	3
8	11/9/2016	13:47	3
9	11/9/2016	13:48	3
10	11/9/2016	13:49	3
11	11/9/2016	13:50	5
12	11/9/2016	13:51	19
13	11/9/2016	13:52	18
14	11/9/2016	13:53	12
15	11/9/2016	13:54	9
16	11/9/2016	13:55	7
17	11/9/2016	13:56	6
18	11/9/2016	13:57	5
19	11/9/2016	13:58	4
20	11/9/2016	13:59	4
21	11/9/2016	14:00	3
22	11/9/2016	14:01	3
23	11/9/2016	14:02	3
24	11/9/2016	14:03	4
25	11/9/2016	14:04	4
26	11/9/2016	14:05	4
27	11/9/2016	14:06	4
28	11/9/2016	14:07	4
29	11/9/2016	14:08	4
30	11/9/2016	14:09	4
31	11/9/2016	14:10	4
32	11/9/2016	14:11	4
33	11/9/2016	14:12	4
34	11/9/2016	14:13	4
35	11/9/2016	14:14	4
36	11/9/2016	14:15	4
37	11/9/2016	14:16	4
38	11/9/2016	14:17	4
39	11/9/2016	14:18	4
40	11/9/2016	14:19	4
41	11/9/2016	14:20	5
42	11/9/2016	14:21	4
43	11/9/2016	14:22	4
44	11/9/2016	14:23	3
45	11/9/2016	14:24	3
46	11/9/2016	14:25	3
47	11/9/2016	14:26	4
48	11/9/2016	14:27	4
49	11/9/2016	14:28	4
50	11/9/2016	14:29	4

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
51	11/9/2016	14:30	4
52	11/9/2016	14:31	4
53	11/9/2016	14:32	3
54	11/9/2016	14:33	3
55	11/9/2016	14:34	3
56	11/9/2016	14:35	3
57	11/9/2016	14:36	3
58	11/9/2016	14:37	4
59	11/9/2016	14:38	3
60	11/9/2016	14:39	3
61	11/9/2016	14:40	3
62	11/9/2016	14:41	3
63	11/9/2016	14:42	4
64	11/9/2016	14:43	4
65	11/9/2016	14:44	4
66	11/9/2016	14:45	4
67	11/9/2016	14:46	4
68	11/9/2016	14:47	3
69	11/9/2016	14:48	4
70	11/9/2016	14:49	3
71	11/9/2016	14:50	3
72	11/9/2016	14:51	3
73	11/9/2016	14:52	11
74	11/9/2016	14:53	4
75	11/9/2016	14:54	4
76	11/9/2016	14:55	5
77	11/9/2016	14:56	4
78	11/9/2016	14:57	3
79	11/9/2016	14:58	4
80	11/9/2016	14:59	3
81	11/9/2016	15:00	3
82	11/9/2016	15:01	3
83	11/9/2016	15:02	4
84	11/9/2016	15:03	3
85	11/9/2016	15:04	4
86	11/9/2016	15:05	4
87	11/9/2016	15:06	5
88	11/9/2016	15:07	5
89	11/9/2016	15:08	5
90	11/9/2016	15:09	4
91	11/9/2016	15:10	4
92	11/9/2016	15:11	8
93	11/9/2016	15:12	4
94	11/9/2016	15:13	6
95	11/9/2016	15:14	4
96	11/9/2016	15:15	4
97	11/9/2016	15:16	3
98	11/9/2016	15:17	3
99	11/9/2016	15:18	5
100	11/9/2016	15:19	4

$\mu g/m^3$ - micrograms per cubic meter

Table 3: Station AS003 Particulates Results
Union Pleasant Elementary School
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
101	11/9/2016	15:20	6
102	11/9/2016	15:21	7
103	11/9/2016	15:22	12
104	11/9/2016	15:23	9
105	11/9/2016	15:24	7
106	11/9/2016	15:25	4
107	11/9/2016	15:26	5
108	11/9/2016	15:27	4
109	11/9/2016	15:28	4
110	11/9/2016	15:29	7
111	11/9/2016	15:30	4
112	11/9/2016	15:31	4
113	11/9/2016	15:32	4
114	11/9/2016	15:33	5
115	11/9/2016	15:34	6
116	11/9/2016	15:35	8
117	11/9/2016	15:36	7
118	11/9/2016	15:37	7
119	11/9/2016	15:38	7
120	11/9/2016	15:39	5
121	11/9/2016	15:40	6
122	11/9/2016	15:41	6
123	11/9/2016	15:42	6
124	11/9/2016	15:43	6
125	11/9/2016	15:44	6
126	11/9/2016	15:45	7
127	11/9/2016	15:46	7
128	11/9/2016	15:47	7
129	11/9/2016	15:48	7
130	11/9/2016	15:49	11
131	11/9/2016	15:50	8
132	11/9/2016	15:51	7
133	11/9/2016	15:52	11
134	11/9/2016	15:53	8
135	11/9/2016	15:54	6
136	11/9/2016	15:55	6
137	11/9/2016	15:56	5
138	11/9/2016	15:57	5

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
139	11/9/2016	15:58	5
140	11/9/2016	15:59	7
141	11/9/2016	16:00	7
142	11/9/2016	16:01	7
143	11/9/2016	16:02	5
144	11/9/2016	16:03	4
145	11/9/2016	16:04	10
146	11/9/2016	16:05	6
147	11/9/2016	16:06	8
148	11/9/2016	16:07	8
149	11/9/2016	16:08	7
150	11/9/2016	16:09	4
151	11/9/2016	16:10	4
152	11/9/2016	16:11	4
153	11/9/2016	16:12	4
154	11/9/2016	16:13	5
155	11/9/2016	16:14	5
156	11/9/2016	16:15	7
157	11/9/2016	16:16	7
158	11/9/2016	16:17	5
159	11/9/2016	16:18	4
160	11/9/2016	16:19	5
161	11/9/2016	16:20	6
162	11/9/2016	16:21	6
163	11/9/2016	16:22	5
164	11/9/2016	16:23	5
165	11/9/2016	16:24	4
166	11/9/2016	16:25	4
167	11/9/2016	16:26	4
168	11/9/2016	16:27	5
169	11/9/2016	16:28	5
170	11/9/2016	16:29	5
171	11/9/2016	16:30	5
172	11/9/2016	16:31	4
173	11/9/2016	16:32	4
174	11/9/2016	16:33	4
175	11/9/2016	16:34	4

µg/m^3 - micrograms per cubic meter

Table 4: Station AS004 Particulates Results
Frontier Central High School
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1	11/9/2016	13:57	15
2	11/9/2016	13:58	12
3	11/9/2016	13:59	10
4	11/9/2016	14:00	10
5	11/9/2016	14:01	10
6	11/9/2016	14:02	10
7	11/9/2016	14:03	10
8	11/9/2016	14:04	10
9	11/9/2016	14:05	10
10	11/9/2016	14:06	10
11	11/9/2016	14:07	10
12	11/9/2016	14:08	10
13	11/9/2016	14:09	9
14	11/9/2016	14:10	9
15	11/9/2016	14:11	9
16	11/9/2016	14:12	9
17	11/9/2016	14:13	9
18	11/9/2016	14:14	9
19	11/9/2016	14:15	9
20	11/9/2016	14:16	8
21	11/9/2016	14:17	8
22	11/9/2016	14:18	9
23	11/9/2016	14:19	9
24	11/9/2016	14:20	9
25	11/9/2016	14:21	9
26	11/9/2016	14:22	9
27	11/9/2016	14:23	9
28	11/9/2016	14:24	9
29	11/9/2016	14:25	8
30	11/9/2016	14:26	8
31	11/9/2016	14:27	8
32	11/9/2016	14:28	8
33	11/9/2016	14:29	8
34	11/9/2016	14:30	7
35	11/9/2016	14:31	8
36	11/9/2016	14:32	8
37	11/9/2016	14:33	7
38	11/9/2016	14:34	7
39	11/9/2016	14:35	7
40	11/9/2016	14:36	8
41	11/9/2016	14:37	7
42	11/9/2016	14:38	7
43	11/9/2016	14:39	8
44	11/9/2016	14:40	8
45	11/9/2016	14:41	8
46	11/9/2016	14:42	7
47	11/9/2016	14:43	7
48	11/9/2016	14:44	7
49	11/9/2016	14:45	7
50	11/9/2016	14:46	7

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
51	11/9/2016	14:47	7
52	11/9/2016	14:48	7
53	11/9/2016	14:49	7
54	11/9/2016	14:50	7
55	11/9/2016	14:51	8
56	11/9/2016	14:52	7
57	11/9/2016	14:53	8
58	11/9/2016	14:54	8
59	11/9/2016	14:55	8
60	11/9/2016	14:56	8
61	11/9/2016	14:57	8
62	11/9/2016	14:58	8
63	11/9/2016	14:59	8
64	11/9/2016	15:00	8
65	11/9/2016	15:01	8
66	11/9/2016	15:02	8
67	11/9/2016	15:03	8
68	11/9/2016	15:04	8
69	11/9/2016	15:05	8
70	11/9/2016	15:06	8
71	11/9/2016	15:07	7
72	11/9/2016	15:08	7
73	11/9/2016	15:09	8
74	11/9/2016	15:10	8
75	11/9/2016	15:11	8
76	11/9/2016	15:12	8
77	11/9/2016	15:13	9
78	11/9/2016	15:14	8
79	11/9/2016	15:15	11
80	11/9/2016	15:16	7
81	11/9/2016	15:17	7
82	11/9/2016	15:18	7
83	11/9/2016	15:19	7
84	11/9/2016	15:20	7
85	11/9/2016	15:21	7
86	11/9/2016	15:22	7
87	11/9/2016	15:23	7
88	11/9/2016	15:24	7
89	11/9/2016	15:25	7
90	11/9/2016	15:26	8
91	11/9/2016	15:27	8
92	11/9/2016	15:28	8
93	11/9/2016	15:29	8
94	11/9/2016	15:30	8
95	11/9/2016	15:31	8
96	11/9/2016	15:32	7
97	11/9/2016	15:33	8
98	11/9/2016	15:34	8
99	11/9/2016	15:35	7
100	11/9/2016	15:36	7

$\mu g/m^3$ - micrograms per cubic meter

Table 4: Station AS004 Particulates Results
Frontier Central High School
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
101	11/9/2016	15:37	7
102	11/9/2016	15:38	7
103	11/9/2016	15:39	7
104	11/9/2016	15:40	7
105	11/9/2016	15:41	7
106	11/9/2016	15:42	7
107	11/9/2016	15:43	7
108	11/9/2016	15:44	7
109	11/9/2016	15:45	7
110	11/9/2016	15:46	7
111	11/9/2016	15:47	7
112	11/9/2016	15:48	7
113	11/9/2016	15:49	7
114	11/9/2016	15:50	7
115	11/9/2016	15:51	7
116	11/9/2016	15:52	7
117	11/9/2016	15:53	8
118	11/9/2016	15:54	7
119	11/9/2016	15:55	7
120	11/9/2016	15:56	7
121	11/9/2016	15:57	7
122	11/9/2016	15:58	7
123	11/9/2016	15:59	7
124	11/9/2016	16:00	7
125	11/9/2016	16:01	7
126	11/9/2016	16:02	7
127	11/9/2016	16:03	7
128	11/9/2016	16:04	7
129	11/9/2016	16:05	7
130	11/9/2016	16:06	7
131	11/9/2016	16:07	7
132	11/9/2016	16:08	7
133	11/9/2016	16:09	7
134	11/9/2016	16:10	7
135	11/9/2016	16:11	7
136	11/9/2016	16:12	7
137	11/9/2016	16:13	8
138	11/9/2016	16:14	8

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
139	11/9/2016	16:15	11
140	11/9/2016	16:16	9
141	11/9/2016	16:17	9
142	11/9/2016	16:18	9
143	11/9/2016	16:19	9
144	11/9/2016	16:20	11
145	11/9/2016	16:21	11
146	11/9/2016	16:22	12
147	11/9/2016	16:23	11
148	11/9/2016	16:24	11
149	11/9/2016	16:25	10
150	11/9/2016	16:26	9
151	11/9/2016	16:27	8
152	11/9/2016	16:28	8
153	11/9/2016	16:29	8
154	11/9/2016	16:30	8
155	11/9/2016	16:31	8
156	11/9/2016	16:32	8
157	11/9/2016	16:33	7
158	11/9/2016	16:34	7
159	11/9/2016	16:35	8
160	11/9/2016	16:36	7
161	11/9/2016	16:37	7
162	11/9/2016	16:38	7
163	11/9/2016	16:39	7
164	11/9/2016	16:40	7
165	11/9/2016	16:41	7
166	11/9/2016	16:42	7
167	11/9/2016	16:43	7
168	11/9/2016	16:44	7
169	11/9/2016	16:45	8
170	11/9/2016	16:46	7
171	11/9/2016	16:47	7
172	11/9/2016	16:48	7
173	11/9/2016	16:49	7
174	11/9/2016	16:50	7
175	11/9/2016	16:51	7
176	11/9/2016	16:52	7

$\mu g/m^3$ - micrograms per cubic meter

Table 5: Station AS005 Particulates Results
Woodlawn Fire Department
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1	11/9/2016	14:14	16
2	11/9/2016	14:15	4
3	11/9/2016	14:16	3
4	11/9/2016	14:17	3
5	11/9/2016	14:18	3
6	11/9/2016	14:19	3
7	11/9/2016	14:20	3
8	11/9/2016	14:21	4
9	11/9/2016	14:22	3
10	11/9/2016	14:23	11
11	11/9/2016	14:24	4
12	11/9/2016	14:25	4
13	11/9/2016	14:26	8
14	11/9/2016	14:27	5
15	11/9/2016	14:28	5
16	11/9/2016	14:29	5
17	11/9/2016	14:30	4
18	11/9/2016	14:31	4
19	11/9/2016	14:32	4
20	11/9/2016	14:33	4
21	11/9/2016	14:34	4
22	11/9/2016	14:35	4
23	11/9/2016	14:36	4
24	11/9/2016	14:37	4
25	11/9/2016	14:38	4
26	11/9/2016	14:39	4
27	11/9/2016	14:40	5
28	11/9/2016	14:41	4
29	11/9/2016	14:42	4
30	11/9/2016	14:43	5
31	11/9/2016	14:44	4
32	11/9/2016	14:45	4
33	11/9/2016	14:46	4
34	11/9/2016	14:47	4
35	11/9/2016	14:48	4
36	11/9/2016	14:49	3
37	11/9/2016	14:50	4
38	11/9/2016	14:51	4
39	11/9/2016	14:52	4
40	11/9/2016	14:53	4
41	11/9/2016	14:54	4
42	11/9/2016	14:55	4
43	11/9/2016	14:56	3
44	11/9/2016	14:57	3
45	11/9/2016	14:58	3
46	11/9/2016	14:59	3
47	11/9/2016	15:00	3
48	11/9/2016	15:01	3
49	11/9/2016	15:02	4
50	11/9/2016	15:03	4

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
51	11/9/2016	15:04	4
52	11/9/2016	15:05	3
53	11/9/2016	15:06	4
54	11/9/2016	15:07	4
55	11/9/2016	15:08	4
56	11/9/2016	15:09	4
57	11/9/2016	15:10	4
58	11/9/2016	15:11	4
59	11/9/2016	15:12	4
60	11/9/2016	15:13	4
61	11/9/2016	15:14	4
62	11/9/2016	15:15	4
63	11/9/2016	15:16	4
64	11/9/2016	15:17	4
65	11/9/2016	15:18	4
66	11/9/2016	15:19	4
67	11/9/2016	15:20	4
68	11/9/2016	15:21	4
69	11/9/2016	15:22	4
70	11/9/2016	15:23	4
71	11/9/2016	15:24	4
72	11/9/2016	15:25	4
73	11/9/2016	15:26	4
74	11/9/2016	15:27	4
75	11/9/2016	15:28	4
76	11/9/2016	15:29	4
77	11/9/2016	15:30	4
78	11/9/2016	15:31	4
79	11/9/2016	15:32	4
80	11/9/2016	15:33	4
81	11/9/2016	15:34	4
82	11/9/2016	15:35	4
83	11/9/2016	15:36	4
84	11/9/2016	15:37	4
85	11/9/2016	15:38	4
86	11/9/2016	15:39	4
87	11/9/2016	15:40	4
88	11/9/2016	15:41	4
89	11/9/2016	15:42	4
90	11/9/2016	15:43	4
91	11/9/2016	15:44	4
92	11/9/2016	15:45	4
93	11/9/2016	15:46	4
94	11/9/2016	15:47	4
95	11/9/2016	15:48	4
96	11/9/2016	15:49	4
97	11/9/2016	15:50	4
98	11/9/2016	15:51	4
99	11/9/2016	15:52	4
100	11/9/2016	15:53	4

$\mu g/m^3$ - micrograms per cubic meter

Table 5: Station AS005 Particulates Results
Woodlawn Fire Department
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
101	11/9/2016	15:54	5
102	11/9/2016	15:55	5
103	11/9/2016	15:56	5
104	11/9/2016	15:57	5
105	11/9/2016	15:58	5
106	11/9/2016	15:59	6
107	11/9/2016	16:00	5
108	11/9/2016	16:01	6
109	11/9/2016	16:02	5
110	11/9/2016	16:03	5
111	11/9/2016	16:04	5
112	11/9/2016	16:05	6
113	11/9/2016	16:06	8
114	11/9/2016	16:07	8
115	11/9/2016	16:08	7
116	11/9/2016	16:09	6
117	11/9/2016	16:10	6
118	11/9/2016	16:11	6
119	11/9/2016	16:12	6
120	11/9/2016	16:13	5
121	11/9/2016	16:14	4
122	11/9/2016	16:15	4
123	11/9/2016	16:16	4
124	11/9/2016	16:17	4
125	11/9/2016	16:18	4
126	11/9/2016	16:19	4
127	11/9/2016	16:20	4
128	11/9/2016	16:21	4
129	11/9/2016	16:22	4
130	11/9/2016	16:23	19
131	11/9/2016	16:24	4
132	11/9/2016	16:25	4
133	11/9/2016	16:26	4
134	11/9/2016	16:27	4
135	11/9/2016	16:28	4
136	11/9/2016	16:29	4
137	11/9/2016	16:30	4
138	11/9/2016	16:31	4
139	11/9/2016	16:32	4
140	11/9/2016	16:33	4
141	11/9/2016	16:34	5
142	11/9/2016	16:35	4
143	11/9/2016	16:36	4
144	11/9/2016	16:37	4
145	11/9/2016	16:38	4
146	11/9/2016	16:39	5
147	11/9/2016	16:40	5
148	11/9/2016	16:41	5
149	11/9/2016	16:42	5
150	11/9/2016	16:43	5

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
151	11/9/2016	16:44	5
152	11/9/2016	16:45	9
153	11/9/2016	16:46	11
154	11/9/2016	16:47	11
155	11/9/2016	16:48	9
156	11/9/2016	16:49	6
157	11/9/2016	16:50	6
158	11/9/2016	16:51	5
159	11/9/2016	16:52	5
160	11/9/2016	16:53	6
161	11/9/2016	16:54	5
162	11/9/2016	16:55	7
163	11/9/2016	16:56	7
164	11/9/2016	16:57	7
165	11/9/2016	16:58	7
166	11/9/2016	16:59	6
167	11/9/2016	17:00	6
168	11/9/2016	17:01	6
169	11/9/2016	17:02	6
170	11/9/2016	17:03	6
171	11/9/2016	17:04	7
172	11/9/2016	17:05	6
173	11/9/2016	17:06	12
174	11/9/2016	17:07	11
175	11/9/2016	17:08	9
176	11/9/2016	17:09	7
177	11/9/2016	17:10	6
178	11/9/2016	17:11	6
179	11/9/2016	17:12	7
180	11/9/2016	17:13	6
181	11/9/2016	17:14	6
182	11/9/2016	17:15	6
183	11/9/2016	17:16	6
184	11/9/2016	17:17	9
185	11/9/2016	17:18	8
186	11/9/2016	17:19	8
187	11/9/2016	17:20	8
188	11/9/2016	17:21	7
189	11/9/2016	17:22	9
190	11/9/2016	17:23	10
191	11/9/2016	17:24	16
192	11/9/2016	17:25	18
193	11/9/2016	17:26	60
194	11/9/2016	17:27	65
195	11/9/2016	17:28	72
196	11/9/2016	17:29	122
197	11/9/2016	17:30	154
198	11/9/2016	17:31	177
199	11/9/2016	17:32	254
200	11/9/2016	17:33	318

$\mu g/m^3$ - micrograms per cubic meter

Table 5: Station AS005 Particulates Results
Woodlawn Fire Department
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
201	11/9/2016	17:34	322
202	11/9/2016	17:35	342
203	11/9/2016	17:36	333
204	11/9/2016	17:37	289
205	11/9/2016	17:38	192
206	11/9/2016	17:39	149
207	11/9/2016	17:40	92
208	11/9/2016	17:41	64
209	11/9/2016	17:42	90
210	11/9/2016	17:43	29
211	11/9/2016	17:44	20
212	11/9/2016	17:45	15
213	11/9/2016	17:46	12
214	11/9/2016	17:47	10
215	11/9/2016	17:48	9
216	11/9/2016	17:49	9
217	11/9/2016	17:50	9
218	11/9/2016	17:51	8
219	11/9/2016	17:52	8
220	11/9/2016	17:53	9
221	11/9/2016	17:54	8
222	11/9/2016	17:55	9
223	11/9/2016	17:56	9
224	11/9/2016	17:57	14
225	11/9/2016	17:58	12
226	11/9/2016	17:59	12
227	11/9/2016	18:00	13
228	11/9/2016	18:01	10
229	11/9/2016	18:02	9
230	11/9/2016	18:03	9
231	11/9/2016	18:04	8
232	11/9/2016	18:05	8
233	11/9/2016	18:06	8
234	11/9/2016	18:07	9
235	11/9/2016	18:08	7
236	11/9/2016	18:09	8
237	11/9/2016	18:10	9
238	11/9/2016	18:11	8
239	11/9/2016	18:12	7
240	11/9/2016	18:13	7
241	11/9/2016	18:14	6
242	11/9/2016	18:15	7
243	11/9/2016	18:16	7
244	11/9/2016	18:17	7
245	11/9/2016	18:18	6
246	11/9/2016	18:19	6
247	11/9/2016	18:20	7
248	11/9/2016	18:21	6
249	11/9/2016	18:22	6
250	11/9/2016	18:23	5

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
251	11/9/2016	18:24	6
252	11/9/2016	18:25	5
253	11/9/2016	18:26	7
254	11/9/2016	18:27	6
255	11/9/2016	18:28	7
256	11/9/2016	18:29	10
257	11/9/2016	18:30	9
258	11/9/2016	18:31	8
259	11/9/2016	18:32	7
260	11/9/2016	18:33	7
261	11/9/2016	18:34	5
262	11/9/2016	18:35	5
263	11/9/2016	18:36	4
264	11/9/2016	18:37	4
265	11/9/2016	18:38	4
266	11/9/2016	18:39	4
267	11/9/2016	18:40	6
268	11/9/2016	18:41	5
269	11/9/2016	18:42	5
270	11/9/2016	18:43	5
271	11/9/2016	18:44	5
272	11/9/2016	18:45	4
273	11/9/2016	18:46	5
274	11/9/2016	18:47	5
275	11/9/2016	18:48	5
276	11/9/2016	18:49	7
277	11/9/2016	18:50	6
278	11/9/2016	18:51	6
279	11/9/2016	18:52	7
280	11/9/2016	18:53	7
281	11/9/2016	18:54	6
282	11/9/2016	18:55	6
283	11/9/2016	18:56	6
284	11/9/2016	18:57	6
285	11/9/2016	18:58	7
286	11/9/2016	18:59	7
287	11/9/2016	19:00	7
288	11/9/2016	19:01	8
289	11/9/2016	19:02	7
290	11/9/2016	19:03	8
291	11/9/2016	19:04	8
292	11/9/2016	19:05	8
293	11/9/2016	19:06	8
294	11/9/2016	19:07	8
295	11/9/2016	19:08	9
296	11/9/2016	19:09	8
297	11/9/2016	19:10	9
298	11/9/2016	19:11	9
299	11/9/2016	19:12	8
300	11/9/2016	19:13	9

$\mu g/m^3$ - micrograms per cubic meter

Table 5: Station AS005 Particulates Results
Woodlawn Fire Department
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
301	11/9/2016	19:14	8
302	11/9/2016	19:15	8
303	11/9/2016	19:16	8
304	11/9/2016	19:17	8
305	11/9/2016	19:18	8
306	11/9/2016	19:19	8
307	11/9/2016	19:20	8
308	11/9/2016	19:21	8
309	11/9/2016	19:22	9
310	11/9/2016	19:23	8
311	11/9/2016	19:24	9
312	11/9/2016	19:25	9
313	11/9/2016	19:26	9
314	11/9/2016	19:27	11
315	11/9/2016	19:28	11
316	11/9/2016	19:29	12
317	11/9/2016	19:30	15
318	11/9/2016	19:31	21
319	11/9/2016	19:32	27
320	11/9/2016	19:33	23
321	11/9/2016	19:34	28
322	11/9/2016	19:35	20
323	11/9/2016	19:36	20
324	11/9/2016	19:37	19
325	11/9/2016	19:38	33
326	11/9/2016	19:39	33
327	11/9/2016	19:40	31
328	11/9/2016	19:41	33
329	11/9/2016	19:42	33
330	11/9/2016	19:43	31
331	11/9/2016	19:44	27
332	11/9/2016	19:45	25
333	11/9/2016	19:46	25
334	11/9/2016	19:47	25
335	11/9/2016	19:48	22
336	11/9/2016	19:49	25
337	11/9/2016	19:50	27
338	11/9/2016	19:51	26
339	11/9/2016	19:52	23
340	11/9/2016	19:53	32
341	11/9/2016	19:54	64
342	11/9/2016	19:55	56
343	11/9/2016	19:56	65
344	11/9/2016	19:57	62
345	11/9/2016	19:58	61
346	11/9/2016	19:59	60
347	11/9/2016	20:00	58
348	11/9/2016	20:01	51
349	11/9/2016	20:02	46
350	11/9/2016	20:03	34

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
351	11/9/2016	20:04	24
352	11/9/2016	20:05	18
353	11/9/2016	20:06	13
354	11/9/2016	20:07	11
355	11/9/2016	20:08	10
356	11/9/2016	20:09	9
357	11/9/2016	20:10	10
358	11/9/2016	20:11	10
359	11/9/2016	20:12	10
360	11/9/2016	20:13	10
361	11/9/2016	20:14	11
362	11/9/2016	20:15	11
363	11/9/2016	20:16	11
364	11/9/2016	20:17	10
365	11/9/2016	20:18	9
366	11/9/2016	20:19	8
367	11/9/2016	20:20	7
368	11/9/2016	20:21	7
369	11/9/2016	20:22	6
370	11/9/2016	20:23	6
371	11/9/2016	20:24	5
372	11/9/2016	20:25	4
373	11/9/2016	20:26	4
374	11/9/2016	20:27	5
375	11/9/2016	20:28	5
376	11/9/2016	20:29	4
377	11/9/2016	20:30	4
378	11/9/2016	20:31	4
379	11/9/2016	20:32	4
380	11/9/2016	20:33	5
381	11/9/2016	20:34	4
382	11/9/2016	20:35	4
383	11/9/2016	20:36	4
384	11/9/2016	20:37	5
385	11/9/2016	20:38	5
386	11/9/2016	20:39	5
387	11/9/2016	20:40	5
388	11/9/2016	20:41	6
389	11/9/2016	20:42	6
390	11/9/2016	20:43	6
391	11/9/2016	20:44	6
392	11/9/2016	20:45	6
393	11/9/2016	20:46	6
394	11/9/2016	20:47	6
395	11/9/2016	20:48	6
396	11/9/2016	20:49	6
397	11/9/2016	20:50	6
398	11/9/2016	20:51	6
399	11/9/2016	20:52	5
400	11/9/2016	20:53	6

$\mu g/m^3$ - micrograms per cubic meter

Table 5: Station AS005 Particulates Results
Woodlawn Fire Department
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
401	11/9/2016	20:54	6
402	11/9/2016	20:55	6
403	11/9/2016	20:56	6
404	11/9/2016	20:57	6
405	11/9/2016	20:58	6
406	11/9/2016	20:59	6
407	11/9/2016	21:00	7
408	11/9/2016	21:01	7
409	11/9/2016	21:02	6
410	11/9/2016	21:03	7
411	11/9/2016	21:04	6
412	11/9/2016	21:05	6
413	11/9/2016	21:06	6
414	11/9/2016	21:07	7
415	11/9/2016	21:08	6
416	11/9/2016	21:09	6
417	11/9/2016	21:10	6
418	11/9/2016	21:11	6
419	11/9/2016	21:12	6
420	11/9/2016	21:13	6
421	11/9/2016	21:14	6
422	11/9/2016	21:15	6
423	11/9/2016	21:16	6
424	11/9/2016	21:17	5
425	11/9/2016	21:18	5
426	11/9/2016	21:19	6
427	11/9/2016	21:20	5
428	11/9/2016	21:21	6
429	11/9/2016	21:22	5
430	11/9/2016	21:23	5
431	11/9/2016	21:24	5
432	11/9/2016	21:25	5
433	11/9/2016	21:26	5
434	11/9/2016	21:27	5
435	11/9/2016	21:28	5
436	11/9/2016	21:29	5
437	11/9/2016	21:30	5
438	11/9/2016	21:31	5
439	11/9/2016	21:32	5
440	11/9/2016	21:33	6
441	11/9/2016	21:34	5
442	11/9/2016	21:35	5
443	11/9/2016	21:36	5
444	11/9/2016	21:37	5
445	11/9/2016	21:38	5
446	11/9/2016	21:39	5
447	11/9/2016	21:40	5
448	11/9/2016	21:41	5
449	11/9/2016	21:42	5
450	11/9/2016	21:43	5

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
451	11/9/2016	21:44	5
452	11/9/2016	21:45	5
453	11/9/2016	21:46	5
454	11/9/2016	21:47	5
455	11/9/2016	21:48	5
456	11/9/2016	21:49	5
457	11/9/2016	21:50	5
458	11/9/2016	21:51	5
459	11/9/2016	21:52	5
460	11/9/2016	21:53	4
461	11/9/2016	21:54	5
462	11/9/2016	21:55	5
463	11/9/2016	21:56	5
464	11/9/2016	21:57	5
465	11/9/2016	21:58	4
466	11/9/2016	21:59	4
467	11/9/2016	22:00	4
468	11/9/2016	22:01	4
469	11/9/2016	22:02	4
470	11/9/2016	22:03	5
471	11/9/2016	22:04	5
472	11/9/2016	22:05	4
473	11/9/2016	22:06	4
474	11/9/2016	22:07	4
475	11/9/2016	22:08	4
476	11/9/2016	22:09	4
477	11/9/2016	22:10	4
478	11/9/2016	22:11	4
479	11/9/2016	22:12	4
480	11/9/2016	22:13	5
481	11/9/2016	22:14	5
482	11/9/2016	22:15	5
483	11/9/2016	22:16	5
484	11/9/2016	22:17	5
485	11/9/2016	22:18	5
486	11/9/2016	22:19	5
487	11/9/2016	22:20	5
488	11/9/2016	22:21	5
489	11/9/2016	22:22	4
490	11/9/2016	22:23	4
491	11/9/2016	22:24	4
492	11/9/2016	22:25	4
493	11/9/2016	22:26	4
494	11/9/2016	22:27	4
495	11/9/2016	22:28	4
496	11/9/2016	22:29	5
497	11/9/2016	22:30	4
498	11/9/2016	22:31	5
499	11/9/2016	22:32	4
500	11/9/2016	22:33	5

$\mu g/m^3$ - micrograms per cubic meter

Table 5: Station AS005 Particulates Results
Woodlawn Fire Department
Steel Works Industrial Park Fire Site
November 9, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
501	11/9/2016	22:34	5
502	11/9/2016	22:35	5
503	11/9/2016	22:36	5
504	11/9/2016	22:37	5
505	11/9/2016	22:38	4
506	11/9/2016	22:39	4
507	11/9/2016	22:40	4
508	11/9/2016	22:41	4
509	11/9/2016	22:42	4
510	11/9/2016	22:43	4
511	11/9/2016	22:44	4
512	11/9/2016	22:45	4
513	11/9/2016	22:46	5
514	11/9/2016	22:47	5
515	11/9/2016	22:48	5
516	11/9/2016	22:49	5
517	11/9/2016	22:50	5
518	11/9/2016	22:51	5
519	11/9/2016	22:52	5
520	11/9/2016	22:53	6
521	11/9/2016	22:54	5
522	11/9/2016	22:55	5
523	11/9/2016	22:56	5
524	11/9/2016	22:57	5
525	11/9/2016	22:58	5
526	11/9/2016	22:59	5
527	11/9/2016	23:00	4
528	11/9/2016	23:01	4
529	11/9/2016	23:02	4
530	11/9/2016	23:03	4
531	11/9/2016	23:04	4
532	11/9/2016	23:05	4
533	11/9/2016	23:06	4
534	11/9/2016	23:07	4
535	11/9/2016	23:08	4
536	11/9/2016	23:09	3
537	11/9/2016	23:10	3
538	11/9/2016	23:11	3
539	11/9/2016	23:12	3
540	11/9/2016	23:13	3
541	11/9/2016	23:14	3
542	11/9/2016	23:15	3
543	11/9/2016	23:16	4
544	11/9/2016	23:17	4
545	11/9/2016	23:18	4
546	11/9/2016	23:19	4
547	11/9/2016	23:20	6
548	11/9/2016	23:21	7
549	11/9/2016	23:22	10
550	11/9/2016	23:23	13
551	11/9/2016	23:24	40
552	11/9/2016	23:25	56
553	11/9/2016	23:26	22
554	11/9/2016	23:27	18
555	11/9/2016	23:28	14
556	11/9/2016	23:29	15
557	11/9/2016	23:30	16
558	11/9/2016	23:31	9
559	11/9/2016	23:32	5
560	11/9/2016	23:33	23
561	11/9/2016	23:34	3
562	11/9/2016	23:35	27
563	11/9/2016	23:36	15
564	11/9/2016	23:37	5
565	11/9/2016	23:38	1
566	11/9/2016	23:39	11
567	11/9/2016	23:40	82
568	11/9/2016	23:41	45
569	11/9/2016	23:42	48
570	11/9/2016	23:43	73
571	11/9/2016	23:44	6
572	11/9/2016	23:45	8
573	11/9/2016	23:46	1

µg/m^3 - micrograms per cubic meter

Table 6: Station AS006 Particulates Results
McKinley Mall - Bonton
Steel Works Industrial Park Fire Site
November 9 and 10, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1	11/9/2016	17:07	4
2	11/9/2016	17:08	4
3	11/9/2016	17:09	5
4	11/9/2016	17:10	8
5	11/9/2016	17:11	8
6	11/9/2016	17:12	7
7	11/9/2016	17:13	7
8	11/9/2016	17:14	6
9	11/9/2016	17:15	5
10	11/9/2016	17:16	7
11	11/9/2016	17:17	6
12	11/9/2016	17:18	5
13	11/9/2016	17:19	4
14	11/9/2016	17:20	4
15	11/9/2016	17:21	6
16	11/9/2016	17:22	5
17	11/9/2016	17:23	6
18	11/9/2016	17:24	5
19	11/9/2016	17:25	5
20	11/9/2016	17:26	3
21	11/9/2016	17:27	2
22	11/9/2016	17:28	3
23	11/9/2016	17:29	3
24	11/9/2016	17:30	5
25	11/9/2016	17:31	5
26	11/9/2016	17:32	5
27	11/9/2016	17:33	3
28	11/9/2016	17:34	4
29	11/9/2016	17:35	8
30	11/9/2016	17:36	6
31	11/9/2016	17:37	7
32	11/9/2016	17:38	9
33	11/9/2016	17:39	6
34	11/9/2016	17:40	6
35	11/9/2016	17:41	4
36	11/9/2016	17:42	4
37	11/9/2016	17:43	5
38	11/9/2016	17:44	6
39	11/9/2016	17:45	6
40	11/9/2016	17:46	3
41	11/9/2016	17:47	4
42	11/9/2016	17:48	6
43	11/9/2016	17:49	7
44	11/9/2016	17:50	7
45	11/9/2016	17:51	6
46	11/9/2016	17:52	8
47	11/9/2016	17:53	6
48	11/9/2016	17:54	7
49	11/9/2016	17:55	6
50	11/9/2016	17:56	7

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
51	11/9/2016	17:57	9
52	11/9/2016	17:58	9
53	11/9/2016	17:59	5
54	11/9/2016	18:00	6
55	11/9/2016	18:01	9
56	11/9/2016	18:02	10
57	11/9/2016	18:03	8
58	11/9/2016	18:04	10
59	11/9/2016	18:05	10
60	11/9/2016	18:06	9
61	11/9/2016	18:07	8
62	11/9/2016	18:08	7
63	11/9/2016	18:09	10
64	11/9/2016	18:10	8
65	11/9/2016	18:11	6
66	11/9/2016	18:12	10
67	11/9/2016	18:13	10
68	11/9/2016	18:14	8
69	11/9/2016	18:15	7
70	11/9/2016	18:16	9
71	11/9/2016	18:17	10
72	11/9/2016	18:18	10
73	11/9/2016	18:19	10
74	11/9/2016	18:20	10
75	11/9/2016	18:21	9
76	11/9/2016	18:22	12
77	11/9/2016	18:23	9
78	11/9/2016	18:24	8
79	11/9/2016	18:25	8
80	11/9/2016	18:26	8
81	11/9/2016	18:27	9
82	11/9/2016	18:28	9
83	11/9/2016	18:29	10
84	11/9/2016	18:30	11
85	11/9/2016	18:31	10
86	11/9/2016	18:32	8
87	11/9/2016	18:33	7
88	11/9/2016	18:34	8
89	11/9/2016	18:35	7
90	11/9/2016	18:36	7
91	11/9/2016	18:37	7
92	11/9/2016	18:38	6
93	11/9/2016	18:39	7
94	11/9/2016	18:40	7
95	11/9/2016	18:41	8
96	11/9/2016	18:42	9
97	11/9/2016	18:43	10
98	11/9/2016	18:44	9
99	11/9/2016	18:45	10
100	11/9/2016	18:46	10

$\mu g/m^3$ - micrograms per cubic meter

Table 6: Station AS006 Particulates Results
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
101	11/9/2016	18:47	9
102	11/9/2016	18:48	9
103	11/9/2016	18:49	9
104	11/9/2016	18:50	8
105	11/9/2016	18:51	8
106	11/9/2016	18:52	8
107	11/9/2016	18:53	10
108	11/9/2016	18:54	10
109	11/9/2016	18:55	9
110	11/9/2016	18:56	9
111	11/9/2016	18:57	9
112	11/9/2016	18:58	9
113	11/9/2016	18:59	9
114	11/9/2016	19:00	8
115	11/9/2016	19:01	8
116	11/9/2016	19:02	8
117	11/9/2016	19:03	8
118	11/9/2016	19:04	7
119	11/9/2016	19:05	7
120	11/9/2016	19:06	6
121	11/9/2016	19:07	6
122	11/9/2016	19:08	6
123	11/9/2016	19:09	6
124	11/9/2016	19:10	6
125	11/9/2016	19:11	6
126	11/9/2016	19:12	6
127	11/9/2016	19:13	6
128	11/9/2016	19:14	6
129	11/9/2016	19:15	6
130	11/9/2016	19:16	6
131	11/9/2016	19:17	7
132	11/9/2016	19:18	7
133	11/9/2016	19:19	7
134	11/9/2016	19:20	6
135	11/9/2016	19:21	6
136	11/9/2016	19:22	6
137	11/9/2016	19:23	6
138	11/9/2016	19:24	6
139	11/9/2016	19:25	7
140	11/9/2016	19:26	9
141	11/9/2016	19:27	8
142	11/9/2016	19:28	7
143	11/9/2016	19:29	8
144	11/9/2016	19:30	7
145	11/9/2016	19:31	8
146	11/9/2016	19:32	7
147	11/9/2016	19:33	8
148	11/9/2016	19:34	8
149	11/9/2016	19:35	8
150	11/9/2016	19:36	8

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
151	11/9/2016	19:37	7
152	11/9/2016	19:38	6
153	11/9/2016	19:39	7
154	11/9/2016	19:40	8
155	11/9/2016	19:41	7
156	11/9/2016	19:42	7
157	11/9/2016	19:43	7
158	11/9/2016	19:44	7
159	11/9/2016	19:45	7
160	11/9/2016	19:46	6
161	11/9/2016	19:47	6
162	11/9/2016	19:48	7
163	11/9/2016	19:49	7
164	11/9/2016	19:50	7
165	11/9/2016	19:51	8
166	11/9/2016	19:52	8
167	11/9/2016	19:53	8
168	11/9/2016	19:54	8
169	11/9/2016	19:55	8
170	11/9/2016	19:56	8
171	11/9/2016	19:57	7
172	11/9/2016	19:58	6
173	11/9/2016	19:59	8
174	11/9/2016	20:00	8
175	11/9/2016	20:01	8
176	11/9/2016	20:02	8
177	11/9/2016	20:03	7
178	11/9/2016	20:04	7
179	11/9/2016	20:05	7
180	11/9/2016	20:06	7
181	11/9/2016	20:07	7
182	11/9/2016	20:08	7
183	11/9/2016	20:09	7
184	11/9/2016	20:10	6
185	11/9/2016	20:11	7
186	11/9/2016	20:12	7
187	11/9/2016	20:13	7
188	11/9/2016	20:14	6
189	11/9/2016	20:15	7
190	11/9/2016	20:16	7
191	11/9/2016	20:17	8
192	11/9/2016	20:18	9
193	11/9/2016	20:19	10
194	11/9/2016	20:20	9
195	11/9/2016	20:21	8
196	11/9/2016	20:22	6
197	11/9/2016	20:23	6
198	11/9/2016	20:24	5
199	11/9/2016	20:25	6
200	11/9/2016	20:26	6

$\mu g/m^3$ - micrograms per cubic meter

Table 6: Station AS006 Particulates Results
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
201	11/9/2016	20:27	6
202	11/9/2016	20:28	6
203	11/9/2016	20:29	6
204	11/9/2016	20:30	6
205	11/9/2016	20:31	6
206	11/9/2016	20:32	6
207	11/9/2016	20:33	6
208	11/9/2016	20:34	5
209	11/9/2016	20:35	5
210	11/9/2016	20:36	3
211	11/9/2016	20:37	4
212	11/9/2016	20:38	4
213	11/9/2016	20:39	4
214	11/9/2016	20:40	4
215	11/9/2016	20:41	4
216	11/9/2016	20:42	4
217	11/9/2016	20:43	4
218	11/9/2016	20:44	7
219	11/9/2016	20:45	6
220	11/9/2016	20:46	7
221	11/9/2016	20:47	6
222	11/9/2016	20:48	6
223	11/9/2016	20:49	6
224	11/9/2016	20:50	7
225	11/9/2016	20:51	5
226	11/9/2016	20:52	5
227	11/9/2016	20:53	5
228	11/9/2016	20:54	5
229	11/9/2016	20:55	6
230	11/9/2016	20:56	5
231	11/9/2016	20:57	4
232	11/9/2016	20:58	5
233	11/9/2016	20:59	5
234	11/9/2016	21:00	5
235	11/9/2016	21:01	6
236	11/9/2016	21:02	8
237	11/9/2016	21:03	7
238	11/9/2016	21:04	7
239	11/9/2016	21:05	6
240	11/9/2016	21:06	5
241	11/9/2016	21:07	5
242	11/9/2016	21:08	6
243	11/9/2016	21:09	7
244	11/9/2016	21:10	6
245	11/9/2016	21:11	5
246	11/9/2016	21:12	4
247	11/9/2016	21:13	4
248	11/9/2016	21:14	4
249	11/9/2016	21:15	4
250	11/9/2016	21:16	4

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
251	11/9/2016	21:17	3
252	11/9/2016	21:18	4
253	11/9/2016	21:19	4
254	11/9/2016	21:20	3
255	11/9/2016	21:21	3
256	11/9/2016	21:22	4
257	11/9/2016	21:23	4
258	11/9/2016	21:24	4
259	11/9/2016	21:25	4
260	11/9/2016	21:26	5
261	11/9/2016	21:27	4
262	11/9/2016	21:28	5
263	11/9/2016	21:29	5
264	11/9/2016	21:30	5
265	11/9/2016	21:31	5
266	11/9/2016	21:32	5
267	11/9/2016	21:33	5
268	11/9/2016	21:34	5
269	11/9/2016	21:35	6
270	11/9/2016	21:36	5
271	11/9/2016	21:37	6
272	11/9/2016	21:38	5
273	11/9/2016	21:39	4
274	11/9/2016	21:40	6
275	11/9/2016	21:41	6
276	11/9/2016	21:42	7
277	11/9/2016	21:43	6
278	11/9/2016	21:44	6
279	11/9/2016	21:45	4
280	11/9/2016	21:46	4
281	11/9/2016	21:47	9
282	11/9/2016	21:48	6
283	11/9/2016	21:49	6
284	11/9/2016	21:50	5
285	11/9/2016	21:51	6
286	11/9/2016	21:52	7
287	11/9/2016	21:53	25
288	11/9/2016	21:54	38
289	11/9/2016	21:55	41
290	11/9/2016	21:56	57
291	11/9/2016	21:57	55
292	11/9/2016	21:58	72
293	11/9/2016	21:59	82
294	11/9/2016	22:00	98
295	11/9/2016	22:01	103
296	11/9/2016	22:02	101
297	11/9/2016	22:03	117
298	11/9/2016	22:04	135
299	11/9/2016	22:05	133
300	11/9/2016	22:06	84

$\mu g/m^3$ - micrograms per cubic meter

Table 6: Station AS006 Particulates Results
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Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
301	11/9/2016	22:07	54
302	11/9/2016	22:08	29
303	11/9/2016	22:09	23
304	11/9/2016	22:10	12
305	11/9/2016	22:11	6
306	11/9/2016	22:12	3
307	11/9/2016	22:13	2
308	11/9/2016	22:14	2
309	11/9/2016	22:15	1
310	11/9/2016	22:16	1
311	11/9/2016	22:17	1
312	11/9/2016	22:18	1
313	11/9/2016	22:19	1
314	11/9/2016	22:20	2
315	11/9/2016	22:21	3
316	11/9/2016	22:22	1
317	11/9/2016	22:23	2
318	11/9/2016	22:24	3
319	11/9/2016	22:25	3
320	11/9/2016	22:26	3
321	11/9/2016	22:27	1
322	11/9/2016	22:28	1
323	11/9/2016	22:29	1
324	11/9/2016	22:30	2
325	11/9/2016	22:31	1
326	11/9/2016	22:32	1
327	11/9/2016	22:33	1
328	11/9/2016	22:34	1
329	11/9/2016	22:35	0
330	11/9/2016	22:36	0
331	11/9/2016	22:37	0
332	11/9/2016	22:38	1
333	11/9/2016	22:39	1
334	11/9/2016	22:40	1
335	11/9/2016	22:41	1
336	11/9/2016	22:42	1
337	11/9/2016	22:43	1
338	11/9/2016	22:44	1
339	11/9/2016	22:45	1
340	11/9/2016	22:46	1
341	11/9/2016	22:47	1
342	11/9/2016	22:48	1
343	11/9/2016	22:49	1
344	11/9/2016	22:50	1
345	11/9/2016	22:51	1
346	11/9/2016	22:52	1
347	11/9/2016	22:53	2
348	11/9/2016	22:54	2
349	11/9/2016	22:55	1
350	11/9/2016	22:56	1

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
351	11/9/2016	22:57	1
352	11/9/2016	22:58	1
353	11/9/2016	22:59	1
354	11/9/2016	23:00	1
355	11/9/2016	23:01	1
356	11/9/2016	23:02	1
357	11/9/2016	23:03	1
358	11/9/2016	23:04	1
359	11/9/2016	23:05	1
360	11/9/2016	23:06	1
361	11/9/2016	23:07	1
362	11/9/2016	23:08	1
363	11/9/2016	23:09	1
364	11/9/2016	23:10	1
365	11/9/2016	23:11	1
366	11/9/2016	23:12	1
367	11/9/2016	23:13	1
368	11/9/2016	23:14	1
369	11/9/2016	23:15	1
370	11/9/2016	23:16	1
371	11/9/2016	23:17	1
372	11/9/2016	23:18	1
373	11/9/2016	23:19	1
374	11/9/2016	23:20	1
375	11/9/2016	23:21	2
376	11/9/2016	23:22	2
377	11/9/2016	23:23	2
378	11/9/2016	23:24	2
379	11/9/2016	23:25	2
380	11/9/2016	23:26	1
381	11/9/2016	23:27	1
382	11/9/2016	23:28	2
383	11/9/2016	23:29	2
384	11/9/2016	23:30	2
385	11/9/2016	23:31	2
386	11/9/2016	23:32	3
387	11/9/2016	23:33	4
388	11/9/2016	23:34	4
389	11/9/2016	23:35	6
390	11/9/2016	23:36	7
391	11/9/2016	23:37	10
392	11/9/2016	23:38	11
393	11/9/2016	23:39	13
394	11/9/2016	23:40	16
395	11/9/2016	23:41	18
396	11/9/2016	23:42	17
397	11/9/2016	23:43	21
398	11/9/2016	23:44	22
399	11/9/2016	23:45	24
400	11/9/2016	23:46	24

µg/m^3 - micrograms per cubic meter

Table 6: Station AS006 Particulates Results
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
401	11/9/2016	23:47	24
402	11/9/2016	23:48	24
403	11/9/2016	23:49	23
404	11/9/2016	23:50	23
405	11/9/2016	23:51	23
406	11/9/2016	23:52	23
407	11/9/2016	23:53	22
408	11/9/2016	23:54	17
409	11/9/2016	23:55	11
410	11/9/2016	23:56	9
411	11/9/2016	23:57	6
412	11/9/2016	23:58	6
413	11/9/2016	23:59	6
414	11/10/2016	0:00	6
415	11/10/2016	0:01	6
416	11/10/2016	0:02	5
417	11/10/2016	0:03	6
418	11/10/2016	0:04	6
419	11/10/2016	0:05	6
420	11/10/2016	0:06	7
421	11/10/2016	0:07	7
422	11/10/2016	0:08	6
423	11/10/2016	0:09	6
424	11/10/2016	0:10	6
425	11/10/2016	0:11	6
426	11/10/2016	0:12	6
427	11/10/2016	0:13	6
428	11/10/2016	0:14	6
429	11/10/2016	0:15	6
430	11/10/2016	0:16	5
431	11/10/2016	0:17	5
432	11/10/2016	0:18	6
433	11/10/2016	0:19	6
434	11/10/2016	0:20	6
435	11/10/2016	0:21	5
436	11/10/2016	0:22	5
437	11/10/2016	0:23	4
438	11/10/2016	0:24	4
439	11/10/2016	0:25	4
440	11/10/2016	0:26	3
441	11/10/2016	0:27	3
442	11/10/2016	0:28	4
443	11/10/2016	0:29	4
444	11/10/2016	0:30	4
445	11/10/2016	0:31	3
446	11/10/2016	0:32	3
447	11/10/2016	0:33	3
448	11/10/2016	0:34	4
449	11/10/2016	0:35	4
450	11/10/2016	0:36	4

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
451	11/10/2016	0:37	4
452	11/10/2016	0:38	4
453	11/10/2016	0:39	4
454	11/10/2016	0:40	5
455	11/10/2016	0:41	7
456	11/10/2016	0:42	8
457	11/10/2016	0:43	8
458	11/10/2016	0:44	7
459	11/10/2016	0:45	6
460	11/10/2016	0:46	6
461	11/10/2016	0:47	6
462	11/10/2016	0:48	6
463	11/10/2016	0:49	6
464	11/10/2016	0:50	6
465	11/10/2016	0:51	7
466	11/10/2016	0:52	8
467	11/10/2016	0:53	9
468	11/10/2016	0:54	9
469	11/10/2016	0:55	8
470	11/10/2016	0:56	7
471	11/10/2016	0:57	8
472	11/10/2016	0:58	9
473	11/10/2016	0:59	10
474	11/10/2016	1:00	10
475	11/10/2016	1:01	11
476	11/10/2016	1:02	12
477	11/10/2016	1:03	13
478	11/10/2016	1:04	14
479	11/10/2016	1:05	15
480	11/10/2016	1:06	16
481	11/10/2016	1:07	21
482	11/10/2016	1:08	23
483	11/10/2016	1:09	25
484	11/10/2016	1:10	26
485	11/10/2016	1:11	27
486	11/10/2016	1:12	29
487	11/10/2016	1:13	37
488	11/10/2016	1:14	48
489	11/10/2016	1:15	56
490	11/10/2016	1:16	51
491	11/10/2016	1:17	44
492	11/10/2016	1:18	48
493	11/10/2016	1:19	44
494	11/10/2016	1:20	45
495	11/10/2016	1:21	53
496	11/10/2016	1:22	51
497	11/10/2016	1:23	48
498	11/10/2016	1:24	45
499	11/10/2016	1:25	46
500	11/10/2016	1:26	46

$\mu g/m^3$ - micrograms per cubic meter

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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
501	11/10/2016	1:27	47
502	11/10/2016	1:28	48
503	11/10/2016	1:29	48
504	11/10/2016	1:30	50
505	11/10/2016	1:31	47
506	11/10/2016	1:32	47
507	11/10/2016	1:33	50
508	11/10/2016	1:34	47
509	11/10/2016	1:35	43
510	11/10/2016	1:36	41
511	11/10/2016	1:37	36
512	11/10/2016	1:38	26
513	11/10/2016	1:39	23
514	11/10/2016	1:40	25
515	11/10/2016	1:41	29
516	11/10/2016	1:42	35
517	11/10/2016	1:43	36
518	11/10/2016	1:44	34
519	11/10/2016	1:45	33
520	11/10/2016	1:46	33
521	11/10/2016	1:47	32
522	11/10/2016	1:48	29
523	11/10/2016	1:49	26
524	11/10/2016	1:50	20
525	11/10/2016	1:51	17
526	11/10/2016	1:52	16
527	11/10/2016	1:53	17
528	11/10/2016	1:54	18
529	11/10/2016	1:55	17
530	11/10/2016	1:56	18
531	11/10/2016	1:57	17
532	11/10/2016	1:58	17
533	11/10/2016	1:59	17
534	11/10/2016	2:00	16
535	11/10/2016	2:01	15
536	11/10/2016	2:02	15
537	11/10/2016	2:03	14
538	11/10/2016	2:04	13
539	11/10/2016	2:05	13
540	11/10/2016	2:06	14
541	11/10/2016	2:07	14
542	11/10/2016	2:08	15
543	11/10/2016	2:09	14
544	11/10/2016	2:10	14
545	11/10/2016	2:11	13
546	11/10/2016	2:12	13
547	11/10/2016	2:13	12
548	11/10/2016	2:14	14
549	11/10/2016	2:15	16
550	11/10/2016	2:16	15
551	11/10/2016	2:17	14
552	11/10/2016	2:18	14
553	11/10/2016	2:19	13
554	11/10/2016	2:20	12
555	11/10/2016	2:21	10
556	11/10/2016	2:22	9
557	11/10/2016	2:23	10
558	11/10/2016	2:24	9
559	11/10/2016	2:25	8
560	11/10/2016	2:26	7
561	11/10/2016	2:27	7
562	11/10/2016	2:28	7
563	11/10/2016	2:29	8
564	11/10/2016	2:30	8
565	11/10/2016	2:31	8
566	11/10/2016	2:32	8
567	11/10/2016	2:33	8
568	11/10/2016	2:34	9
569	11/10/2016	2:35	10
570	11/10/2016	2:36	9
571	11/10/2016	2:37	10
572	11/10/2016	2:38	9
573	11/10/2016	2:39	9
574	11/10/2016	2:40	9
575	11/10/2016	2:41	10
576	11/10/2016	2:42	10
577	11/10/2016	2:43	11
578	11/10/2016	2:44	12
579	11/10/2016	2:45	13
580	11/10/2016	2:46	13
581	11/10/2016	2:47	13
582	11/10/2016	2:48	14
583	11/10/2016	2:49	15
584	11/10/2016	2:50	15
585	11/10/2016	2:51	15
586	11/10/2016	2:52	14
587	11/10/2016	2:53	14
588	11/10/2016	2:54	13
589	11/10/2016	2:55	13
590	11/10/2016	2:56	12
591	11/10/2016	2:57	12
592	11/10/2016	2:58	12
593	11/10/2016	2:59	12
594	11/10/2016	3:00	11
595	11/10/2016	3:01	11
596	11/10/2016	3:02	12
597	11/10/2016	3:03	11
598	11/10/2016	3:04	12
599	11/10/2016	3:05	11
600	11/10/2016	3:06	13

$\mu g/m^3$ - micrograms per cubic meter

Table 6: Station AS006 Particulates Results
McKinley Mall - Bonton
Steel Works Industrial Park Fire Site
November 9 and 10, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
601	11/10/2016	3:07	53
602	11/10/2016	3:08	13
603	11/10/2016	3:09	33
604	11/10/2016	3:10	24
605	11/10/2016	3:11	19
606	11/10/2016	3:12	13
607	11/10/2016	3:13	20
608	11/10/2016	3:14	19
609	11/10/2016	3:15	40
610	11/10/2016	3:16	21
611	11/10/2016	3:17	32

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
612	11/10/2016	3:18	17
613	11/10/2016	3:19	13
614	11/10/2016	3:20	6
615	11/10/2016	3:21	87
616	11/10/2016	3:22	19
617	11/10/2016	3:23	7
618	11/10/2016	3:24	19
619	11/10/2016	3:25	3
620	11/10/2016	3:26	27
621	11/10/2016	3:27	17

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
Lackawanna City Hall
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1	11/9/2016	18:03	39
2	11/9/2016	18:04	20
3	11/9/2016	18:05	16
4	11/9/2016	18:06	16
5	11/9/2016	18:07	17
6	11/9/2016	18:08	19
7	11/9/2016	18:09	20
8	11/9/2016	18:10	20
9	11/9/2016	18:11	25
10	11/9/2016	18:12	31
11	11/9/2016	18:13	23
12	11/9/2016	18:14	15
13	11/9/2016	18:15	17
14	11/9/2016	18:16	16
15	11/9/2016	18:17	15
16	11/9/2016	18:18	15
17	11/9/2016	18:19	17
18	11/9/2016	18:20	17
19	11/9/2016	18:21	16
20	11/9/2016	18:22	15
21	11/9/2016	18:23	15
22	11/9/2016	18:24	17
23	11/9/2016	18:25	19
24	11/9/2016	18:26	16
25	11/9/2016	18:27	15
26	11/9/2016	18:28	15
27	11/9/2016	18:29	15
28	11/9/2016	18:30	15
29	11/9/2016	18:31	15
30	11/9/2016	18:32	15
31	11/9/2016	18:33	15
32	11/9/2016	18:34	15
33	11/9/2016	18:35	15
34	11/9/2016	18:36	15
35	11/9/2016	18:37	15
36	11/9/2016	18:38	15
37	11/9/2016	18:39	16
38	11/9/2016	18:40	18
39	11/9/2016	18:41	17
40	11/9/2016	18:42	14
41	11/9/2016	18:43	16
42	11/9/2016	18:44	23
43	11/9/2016	18:45	31
44	11/9/2016	18:46	25
45	11/9/2016	18:47	15
46	11/9/2016	18:48	14
47	11/9/2016	18:49	14
48	11/9/2016	18:50	16
49	11/9/2016	18:51	17
50	11/9/2016	18:52	15

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
51	11/9/2016	18:53	14
52	11/9/2016	18:54	14
53	11/9/2016	18:55	15
54	11/9/2016	18:56	13
55	11/9/2016	18:57	14
56	11/9/2016	18:58	14
57	11/9/2016	18:59	14
58	11/9/2016	19:00	14
59	11/9/2016	19:01	16
60	11/9/2016	19:02	14
61	11/9/2016	19:03	14
62	11/9/2016	19:04	14
63	11/9/2016	19:05	14
64	11/9/2016	19:06	14
65	11/9/2016	19:07	14
66	11/9/2016	19:08	14
67	11/9/2016	19:09	14
68	11/9/2016	19:10	14
69	11/9/2016	19:11	14
70	11/9/2016	19:12	13
71	11/9/2016	19:13	14
72	11/9/2016	19:14	14
73	11/9/2016	19:15	15
74	11/9/2016	19:16	15
75	11/9/2016	19:17	16
76	11/9/2016	19:18	15
77	11/9/2016	19:19	14
78	11/9/2016	19:20	14
79	11/9/2016	19:21	14
80	11/9/2016	19:22	14
81	11/9/2016	19:23	14
82	11/9/2016	19:24	14
83	11/9/2016	19:25	13
84	11/9/2016	19:26	14
85	11/9/2016	19:27	14
86	11/9/2016	19:28	14
87	11/9/2016	19:29	14
88	11/9/2016	19:30	14
89	11/9/2016	19:31	14
90	11/9/2016	19:32	14
91	11/9/2016	19:33	14
92	11/9/2016	19:34	15
93	11/9/2016	19:35	21
94	11/9/2016	19:36	29
95	11/9/2016	19:37	23
96	11/9/2016	19:38	16
97	11/9/2016	19:39	16
98	11/9/2016	19:40	15
99	11/9/2016	19:41	17
100	11/9/2016	19:42	14

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
Lackawanna City Hall
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
101	11/9/2016	19:43	14
102	11/9/2016	19:44	14
103	11/9/2016	19:45	14
104	11/9/2016	19:46	14
105	11/9/2016	19:47	14
106	11/9/2016	19:48	14
107	11/9/2016	19:49	14
108	11/9/2016	19:50	15
109	11/9/2016	19:51	33
110	11/9/2016	19:52	62
111	11/9/2016	19:53	47
112	11/9/2016	19:54	54
113	11/9/2016	19:55	25
114	11/9/2016	19:56	18
115	11/9/2016	19:57	24
116	11/9/2016	19:58	15
117	11/9/2016	19:59	15
118	11/9/2016	20:00	15
119	11/9/2016	20:01	14
120	11/9/2016	20:02	14
121	11/9/2016	20:03	14
122	11/9/2016	20:04	14
123	11/9/2016	20:05	15
124	11/9/2016	20:06	37
125	11/9/2016	20:07	111
126	11/9/2016	20:08	70
127	11/9/2016	20:09	25
128	11/9/2016	20:10	31
129	11/9/2016	20:11	17
130	11/9/2016	20:12	27
131	11/9/2016	20:13	22
132	11/9/2016	20:14	17
133	11/9/2016	20:15	19
134	11/9/2016	20:16	15
135	11/9/2016	20:17	15
136	11/9/2016	20:18	14
137	11/9/2016	20:19	14
138	11/9/2016	20:20	14
139	11/9/2016	20:21	14
140	11/9/2016	20:22	14
141	11/9/2016	20:23	14
142	11/9/2016	20:24	14
143	11/9/2016	20:25	14
144	11/9/2016	20:26	15
145	11/9/2016	20:27	20
146	11/9/2016	20:28	15
147	11/9/2016	20:29	18
148	11/9/2016	20:30	15
149	11/9/2016	20:31	14
150	11/9/2016	20:32	16

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
151	11/9/2016	20:33	15
152	11/9/2016	20:34	14
153	11/9/2016	20:35	15
154	11/9/2016	20:36	13
155	11/9/2016	20:37	13
156	11/9/2016	20:38	13
157	11/9/2016	20:39	13
158	11/9/2016	20:40	12
159	11/9/2016	20:41	13
160	11/9/2016	20:42	13
161	11/9/2016	20:43	12
162	11/9/2016	20:44	12
163	11/9/2016	20:45	13
164	11/9/2016	20:46	12
165	11/9/2016	20:47	13
166	11/9/2016	20:48	13
167	11/9/2016	20:49	13
168	11/9/2016	20:50	13
169	11/9/2016	20:51	13
170	11/9/2016	20:52	13
171	11/9/2016	20:53	13
172	11/9/2016	20:54	13
173	11/9/2016	20:55	13
174	11/9/2016	20:56	13
175	11/9/2016	20:57	12
176	11/9/2016	20:58	13
177	11/9/2016	20:59	12
178	11/9/2016	21:00	12
179	11/9/2016	21:01	12
180	11/9/2016	21:02	12
181	11/9/2016	21:03	12
182	11/9/2016	21:04	12
183	11/9/2016	21:05	12
184	11/9/2016	21:06	12
185	11/9/2016	21:07	12
186	11/9/2016	21:08	12
187	11/9/2016	21:09	12
188	11/9/2016	21:10	12
189	11/9/2016	21:11	12
190	11/9/2016	21:12	12
191	11/9/2016	21:13	12
192	11/9/2016	21:14	13
193	11/9/2016	21:15	13
194	11/9/2016	21:16	13
195	11/9/2016	21:17	14
196	11/9/2016	21:18	14
197	11/9/2016	21:19	14
198	11/9/2016	21:20	14
199	11/9/2016	21:21	13
200	11/9/2016	21:22	14

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
Lackawanna City Hall
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
201	11/9/2016	21:23	13
202	11/9/2016	21:24	13
203	11/9/2016	21:25	13
204	11/9/2016	21:26	13
205	11/9/2016	21:27	13
206	11/9/2016	21:28	13
207	11/9/2016	21:29	12
208	11/9/2016	21:30	12
209	11/9/2016	21:31	12
210	11/9/2016	21:32	12
211	11/9/2016	21:33	12
212	11/9/2016	21:34	12
213	11/9/2016	21:35	12
214	11/9/2016	21:36	12
215	11/9/2016	21:37	12
216	11/9/2016	21:38	12
217	11/9/2016	21:39	12
218	11/9/2016	21:40	12
219	11/9/2016	21:41	12
220	11/9/2016	21:42	12
221	11/9/2016	21:43	12
222	11/9/2016	21:44	12
223	11/9/2016	21:45	12
224	11/9/2016	21:46	12
225	11/9/2016	21:47	12
226	11/9/2016	21:48	12
227	11/9/2016	21:49	12
228	11/9/2016	21:50	12
229	11/9/2016	21:51	12
230	11/9/2016	21:52	12
231	11/9/2016	21:53	12
232	11/9/2016	21:54	12
233	11/9/2016	21:55	12
234	11/9/2016	21:56	12
235	11/9/2016	21:57	12
236	11/9/2016	21:58	12
237	11/9/2016	21:59	12
238	11/9/2016	22:00	12
239	11/9/2016	22:01	12
240	11/9/2016	22:02	12
241	11/9/2016	22:03	11
242	11/9/2016	22:04	11
243	11/9/2016	22:05	12
244	11/9/2016	22:06	11
245	11/9/2016	22:07	12
246	11/9/2016	22:08	12
247	11/9/2016	22:09	12
248	11/9/2016	22:10	12
249	11/9/2016	22:11	12
250	11/9/2016	22:12	12

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
251	11/9/2016	22:13	13
252	11/9/2016	22:14	13
253	11/9/2016	22:15	12
254	11/9/2016	22:16	12
255	11/9/2016	22:17	12
256	11/9/2016	22:18	12
257	11/9/2016	22:19	12
258	11/9/2016	22:20	13
259	11/9/2016	22:21	12
260	11/9/2016	22:22	12
261	11/9/2016	22:23	12
262	11/9/2016	22:24	12
263	11/9/2016	22:25	13
264	11/9/2016	22:26	13
265	11/9/2016	22:27	13
266	11/9/2016	22:28	13
267	11/9/2016	22:29	12
268	11/9/2016	22:30	12
269	11/9/2016	22:31	12
270	11/9/2016	22:32	12
271	11/9/2016	22:33	12
272	11/9/2016	22:34	12
273	11/9/2016	22:35	12
274	11/9/2016	22:36	12
275	11/9/2016	22:37	12
276	11/9/2016	22:38	12
277	11/9/2016	22:39	11
278	11/9/2016	22:40	11
279	11/9/2016	22:41	12
280	11/9/2016	22:42	11
281	11/9/2016	22:43	11
282	11/9/2016	22:44	11
283	11/9/2016	22:45	11
284	11/9/2016	22:46	11
285	11/9/2016	22:47	11
286	11/9/2016	22:48	11
287	11/9/2016	22:49	11
288	11/9/2016	22:50	11
289	11/9/2016	22:51	11
290	11/9/2016	22:52	11
291	11/9/2016	22:53	11
292	11/9/2016	22:54	11
293	11/9/2016	22:55	11
294	11/9/2016	22:56	11
295	11/9/2016	22:57	11
296	11/9/2016	22:58	11
297	11/9/2016	22:59	11
298	11/9/2016	23:00	11
299	11/9/2016	23:01	11
300	11/9/2016	23:02	11

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
Lackawanna City Hall
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
301	11/9/2016	23:03	11
302	11/9/2016	23:04	11
303	11/9/2016	23:05	11
304	11/9/2016	23:06	11
305	11/9/2016	23:07	11
306	11/9/2016	23:08	11
307	11/9/2016	23:09	11
308	11/9/2016	23:10	11
309	11/9/2016	23:11	11
310	11/9/2016	23:12	11
311	11/9/2016	23:13	11
312	11/9/2016	23:14	11
313	11/9/2016	23:15	11
314	11/9/2016	23:16	11
315	11/9/2016	23:17	11
316	11/9/2016	23:18	11
317	11/9/2016	23:19	11
318	11/9/2016	23:20	11
319	11/9/2016	23:21	11
320	11/9/2016	23:22	11
321	11/9/2016	23:23	11
322	11/9/2016	23:24	11
323	11/9/2016	23:25	10
324	11/9/2016	23:26	10
325	11/9/2016	23:27	10
326	11/9/2016	23:28	10
327	11/9/2016	23:29	10
328	11/9/2016	23:30	10
329	11/9/2016	23:31	11
330	11/9/2016	23:32	10
331	11/9/2016	23:33	10
332	11/9/2016	23:34	10
333	11/9/2016	23:35	10
334	11/9/2016	23:36	10
335	11/9/2016	23:37	10
336	11/9/2016	23:38	11
337	11/9/2016	23:39	10
338	11/9/2016	23:40	11
339	11/9/2016	23:41	11
340	11/9/2016	23:42	10
341	11/9/2016	23:43	11
342	11/9/2016	23:44	11
343	11/9/2016	23:45	11
344	11/9/2016	23:46	11
345	11/9/2016	23:47	11
346	11/9/2016	23:48	10
347	11/9/2016	23:49	10
348	11/9/2016	23:50	10
349	11/9/2016	23:51	10
350	11/9/2016	23:52	10

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
351	11/9/2016	23:53	10
352	11/9/2016	23:54	10
353	11/9/2016	23:55	10
354	11/9/2016	23:56	10
355	11/9/2016	23:57	10
356	11/9/2016	23:58	10
357	11/9/2016	23:59	10
358	11/10/2016	0:00	10
359	11/10/2016	0:01	11
360	11/10/2016	0:02	11
361	11/10/2016	0:03	10
362	11/10/2016	0:04	11
363	11/10/2016	0:05	11
364	11/10/2016	0:06	11
365	11/10/2016	0:07	11
366	11/10/2016	0:08	13
367	11/10/2016	0:09	13
368	11/10/2016	0:10	13
369	11/10/2016	0:11	13
370	11/10/2016	0:12	14
371	11/10/2016	0:13	14
372	11/10/2016	0:14	16
373	11/10/2016	0:15	18
374	11/10/2016	0:16	17
375	11/10/2016	0:17	15
376	11/10/2016	0:18	14
377	11/10/2016	0:19	14
378	11/10/2016	0:20	15
379	11/10/2016	0:21	15
380	11/10/2016	0:22	15
381	11/10/2016	0:23	15
382	11/10/2016	0:24	15
383	11/10/2016	0:25	15
384	11/10/2016	0:26	16
385	11/10/2016	0:27	16
386	11/10/2016	0:28	15
387	11/10/2016	0:29	15
388	11/10/2016	0:30	15
389	11/10/2016	0:31	15
390	11/10/2016	0:32	13
391	11/10/2016	0:33	12
392	11/10/2016	0:34	12
393	11/10/2016	0:35	12
394	11/10/2016	0:36	12
395	11/10/2016	0:37	12
396	11/10/2016	0:38	12
397	11/10/2016	0:39	13
398	11/10/2016	0:40	13
399	11/10/2016	0:41	12
400	11/10/2016	0:42	12

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
Lackawanna City Hall
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
401	11/10/2016	0:43	13
402	11/10/2016	0:44	12
403	11/10/2016	0:45	11
404	11/10/2016	0:46	14
405	11/10/2016	0:47	15
406	11/10/2016	0:48	15
407	11/10/2016	0:49	15
408	11/10/2016	0:50	15
409	11/10/2016	0:51	14
410	11/10/2016	0:52	15
411	11/10/2016	0:53	14
412	11/10/2016	0:54	15
413	11/10/2016	0:55	14
414	11/10/2016	0:56	13
415	11/10/2016	0:57	14
416	11/10/2016	0:58	15
417	11/10/2016	0:59	13
418	11/10/2016	1:00	12
419	11/10/2016	1:01	13
420	11/10/2016	1:02	13
421	11/10/2016	1:03	12
422	11/10/2016	1:04	12
423	11/10/2016	1:05	14
424	11/10/2016	1:06	14
425	11/10/2016	1:07	15
426	11/10/2016	1:08	15
427	11/10/2016	1:09	16
428	11/10/2016	1:10	15
429	11/10/2016	1:11	15
430	11/10/2016	1:12	15
431	11/10/2016	1:13	15
432	11/10/2016	1:14	15
433	11/10/2016	1:15	16
434	11/10/2016	1:16	16
435	11/10/2016	1:17	16
436	11/10/2016	1:18	15
437	11/10/2016	1:19	15
438	11/10/2016	1:20	14
439	11/10/2016	1:21	15
440	11/10/2016	1:22	16
441	11/10/2016	1:23	16
442	11/10/2016	1:24	15
443	11/10/2016	1:25	15
444	11/10/2016	1:26	14
445	11/10/2016	1:27	14
446	11/10/2016	1:28	15
447	11/10/2016	1:29	15
448	11/10/2016	1:30	15
449	11/10/2016	1:31	13
450	11/10/2016	1:32	13

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
451	11/10/2016	1:33	13
452	11/10/2016	1:34	13
453	11/10/2016	1:35	13
454	11/10/2016	1:36	14
455	11/10/2016	1:37	14
456	11/10/2016	1:38	14
457	11/10/2016	1:39	14
458	11/10/2016	1:40	15
459	11/10/2016	1:41	15
460	11/10/2016	1:42	15
461	11/10/2016	1:43	15
462	11/10/2016	1:44	15
463	11/10/2016	1:45	15
464	11/10/2016	1:46	15
465	11/10/2016	1:47	15
466	11/10/2016	1:48	15
467	11/10/2016	1:49	15
468	11/10/2016	1:50	16
469	11/10/2016	1:51	16
470	11/10/2016	1:52	16
471	11/10/2016	1:53	16
472	11/10/2016	1:54	15
473	11/10/2016	1:55	16
474	11/10/2016	1:56	15
475	11/10/2016	1:57	15
476	11/10/2016	1:58	15
477	11/10/2016	1:59	15
478	11/10/2016	2:00	15
479	11/10/2016	2:01	16
480	11/10/2016	2:02	15
481	11/10/2016	2:03	15
482	11/10/2016	2:04	15
483	11/10/2016	2:05	14
484	11/10/2016	2:06	14
485	11/10/2016	2:07	14
486	11/10/2016	2:08	14
487	11/10/2016	2:09	14
488	11/10/2016	2:10	14
489	11/10/2016	2:11	14
490	11/10/2016	2:12	14
491	11/10/2016	2:13	15
492	11/10/2016	2:14	14
493	11/10/2016	2:15	14
494	11/10/2016	2:16	15
495	11/10/2016	2:17	15
496	11/10/2016	2:18	15
497	11/10/2016	2:19	15
498	11/10/2016	2:20	15
499	11/10/2016	2:21	16
500	11/10/2016	2:22	16

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
Lackawanna City Hall
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
501	11/10/2016	2:23	16
502	11/10/2016	2:24	16
503	11/10/2016	2:25	16
504	11/10/2016	2:26	16
505	11/10/2016	2:27	17
506	11/10/2016	2:28	17
507	11/10/2016	2:29	17
508	11/10/2016	2:30	17
509	11/10/2016	2:31	17
510	11/10/2016	2:32	17
511	11/10/2016	2:33	17
512	11/10/2016	2:34	18
513	11/10/2016	2:35	18
514	11/10/2016	2:36	18
515	11/10/2016	2:37	18
516	11/10/2016	2:38	18
517	11/10/2016	2:39	18
518	11/10/2016	2:40	18
519	11/10/2016	2:41	18
520	11/10/2016	2:42	18
521	11/10/2016	2:43	18
522	11/10/2016	2:44	18
523	11/10/2016	2:45	19
524	11/10/2016	2:46	19
525	11/10/2016	2:47	19
526	11/10/2016	2:48	21
527	11/10/2016	2:49	20
528	11/10/2016	2:50	19
529	11/10/2016	2:51	19
530	11/10/2016	2:52	19
531	11/10/2016	2:53	20
532	11/10/2016	2:54	20
533	11/10/2016	2:55	19
534	11/10/2016	2:56	19
535	11/10/2016	2:57	19
536	11/10/2016	2:58	19
537	11/10/2016	2:59	19
538	11/10/2016	3:00	20
539	11/10/2016	3:01	21
540	11/10/2016	3:02	25
541	11/10/2016	3:03	54
542	11/10/2016	3:04	54
543	11/10/2016	3:05	51
544	11/10/2016	3:06	45
545	11/10/2016	3:07	49
546	11/10/2016	3:08	43
547	11/10/2016	3:09	41
548	11/10/2016	3:10	42
549	11/10/2016	3:11	37
550	11/10/2016	3:12	32

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
551	11/10/2016	3:13	27
552	11/10/2016	3:14	26
553	11/10/2016	3:15	25
554	11/10/2016	3:16	26
555	11/10/2016	3:17	25
556	11/10/2016	3:18	24
557	11/10/2016	3:19	25
558	11/10/2016	3:20	25
559	11/10/2016	3:21	24
560	11/10/2016	3:22	25
561	11/10/2016	3:23	24
562	11/10/2016	3:24	23
563	11/10/2016	3:25	23
564	11/10/2016	3:26	23
565	11/10/2016	3:27	22
566	11/10/2016	3:28	23
567	11/10/2016	3:29	22
568	11/10/2016	3:30	22
569	11/10/2016	3:31	23
570	11/10/2016	3:32	22
571	11/10/2016	3:33	23
572	11/10/2016	3:34	23
573	11/10/2016	3:35	23
574	11/10/2016	3:36	23
575	11/10/2016	3:37	23
576	11/10/2016	3:38	23
577	11/10/2016	3:39	23
578	11/10/2016	3:40	23
579	11/10/2016	3:41	23
580	11/10/2016	3:42	23
581	11/10/2016	3:43	24
582	11/10/2016	3:44	24
583	11/10/2016	3:45	23
584	11/10/2016	3:46	23
585	11/10/2016	3:47	24
586	11/10/2016	3:48	24
587	11/10/2016	3:49	24
588	11/10/2016	3:50	24
589	11/10/2016	3:51	24
590	11/10/2016	3:52	24
591	11/10/2016	3:53	24
592	11/10/2016	3:54	24
593	11/10/2016	3:55	24
594	11/10/2016	3:56	24
595	11/10/2016	3:57	24
596	11/10/2016	3:58	24
597	11/10/2016	3:59	25
598	11/10/2016	4:00	25
599	11/10/2016	4:01	25
600	11/10/2016	4:02	24

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
601	11/10/2016	4:03	25
602	11/10/2016	4:04	25
603	11/10/2016	4:05	25
604	11/10/2016	4:06	25
605	11/10/2016	4:07	25
606	11/10/2016	4:08	25
607	11/10/2016	4:09	25
608	11/10/2016	4:10	25
609	11/10/2016	4:11	25
610	11/10/2016	4:12	25
611	11/10/2016	4:13	25
612	11/10/2016	4:14	25
613	11/10/2016	4:15	25
614	11/10/2016	4:16	25
615	11/10/2016	4:17	25
616	11/10/2016	4:18	25
617	11/10/2016	4:19	25
618	11/10/2016	4:20	25
619	11/10/2016	4:21	24
620	11/10/2016	4:22	25
621	11/10/2016	4:23	25
622	11/10/2016	4:24	25
623	11/10/2016	4:25	25
624	11/10/2016	4:26	25
625	11/10/2016	4:27	24
626	11/10/2016	4:28	25
627	11/10/2016	4:29	24
628	11/10/2016	4:30	25
629	11/10/2016	4:31	24
630	11/10/2016	4:32	24
631	11/10/2016	4:33	25
632	11/10/2016	4:34	24
633	11/10/2016	4:35	25
634	11/10/2016	4:36	25
635	11/10/2016	4:37	25
636	11/10/2016	4:38	25
637	11/10/2016	4:39	25
638	11/10/2016	4:40	25
639	11/10/2016	4:41	25
640	11/10/2016	4:42	25
641	11/10/2016	4:43	25
642	11/10/2016	4:44	24
643	11/10/2016	4:45	25
644	11/10/2016	4:46	24
645	11/10/2016	4:47	25
646	11/10/2016	4:48	24
647	11/10/2016	4:49	24
648	11/10/2016	4:50	25
649	11/10/2016	4:51	24
650	11/10/2016	4:52	24

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
651	11/10/2016	4:53	24
652	11/10/2016	4:54	25
653	11/10/2016	4:55	26
654	11/10/2016	4:56	27
655	11/10/2016	4:57	29
656	11/10/2016	4:58	26
657	11/10/2016	4:59	25
658	11/10/2016	5:00	25
659	11/10/2016	5:01	25
660	11/10/2016	5:02	25
661	11/10/2016	5:03	25
662	11/10/2016	5:04	25
663	11/10/2016	5:05	45
664	11/10/2016	5:06	46
665	11/10/2016	5:07	31
666	11/10/2016	5:08	34
667	11/10/2016	5:09	35
668	11/10/2016	5:10	30
669	11/10/2016	5:11	27
670	11/10/2016	5:12	26
671	11/10/2016	5:13	26
672	11/10/2016	5:14	25
673	11/10/2016	5:15	25
674	11/10/2016	5:16	25
675	11/10/2016	5:17	25
676	11/10/2016	5:18	25
677	11/10/2016	5:19	25
678	11/10/2016	5:20	25
679	11/10/2016	5:21	25
680	11/10/2016	5:22	25
681	11/10/2016	5:23	25
682	11/10/2016	5:24	25
683	11/10/2016	5:25	25
684	11/10/2016	5:26	25
685	11/10/2016	5:27	25
686	11/10/2016	5:28	24
687	11/10/2016	5:29	24
688	11/10/2016	5:30	24
689	11/10/2016	5:31	24
690	11/10/2016	5:32	23
691	11/10/2016	5:33	23
692	11/10/2016	5:34	23
693	11/10/2016	5:35	23
694	11/10/2016	5:36	22
695	11/10/2016	5:37	22
696	11/10/2016	5:38	23
697	11/10/2016	5:39	22
698	11/10/2016	5:40	22
699	11/10/2016	5:41	23
700	11/10/2016	5:42	23

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
701	11/10/2016	5:43	22
702	11/10/2016	5:44	22
703	11/10/2016	5:45	22
704	11/10/2016	5:46	23
705	11/10/2016	5:47	22
706	11/10/2016	5:48	22
707	11/10/2016	5:49	22
708	11/10/2016	5:50	22
709	11/10/2016	5:51	22
710	11/10/2016	5:52	22
711	11/10/2016	5:53	22
712	11/10/2016	5:54	23
713	11/10/2016	5:55	23
714	11/10/2016	5:56	22
715	11/10/2016	5:57	23
716	11/10/2016	5:58	23
717	11/10/2016	5:59	23
718	11/10/2016	6:00	23
719	11/10/2016	6:01	23
720	11/10/2016	6:02	23
721	11/10/2016	6:03	23
722	11/10/2016	6:04	23
723	11/10/2016	6:05	23
724	11/10/2016	6:06	23
725	11/10/2016	6:07	23
726	11/10/2016	6:08	24
727	11/10/2016	6:09	24
728	11/10/2016	6:10	25
729	11/10/2016	6:11	26
730	11/10/2016	6:12	26
731	11/10/2016	6:13	26
732	11/10/2016	6:14	27
733	11/10/2016	6:15	27
734	11/10/2016	6:16	28
735	11/10/2016	6:17	28
736	11/10/2016	6:18	27
737	11/10/2016	6:19	27
738	11/10/2016	6:20	26
739	11/10/2016	6:21	26
740	11/10/2016	6:22	25
741	11/10/2016	6:23	25
742	11/10/2016	6:24	24
743	11/10/2016	6:25	25
744	11/10/2016	6:26	24
745	11/10/2016	6:27	24
746	11/10/2016	6:28	24
747	11/10/2016	6:29	25
748	11/10/2016	6:30	25
749	11/10/2016	6:31	24
750	11/10/2016	6:32	24

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
751	11/10/2016	6:33	24
752	11/10/2016	6:34	25
753	11/10/2016	6:35	24
754	11/10/2016	6:36	24
755	11/10/2016	6:37	24
756	11/10/2016	6:38	24
757	11/10/2016	6:39	24
758	11/10/2016	6:40	23
759	11/10/2016	6:41	23
760	11/10/2016	6:42	23
761	11/10/2016	6:43	23
762	11/10/2016	6:44	22
763	11/10/2016	6:45	22
764	11/10/2016	6:46	22
765	11/10/2016	6:47	22
766	11/10/2016	6:48	21
767	11/10/2016	6:49	21
768	11/10/2016	6:50	21
769	11/10/2016	6:51	20
770	11/10/2016	6:52	20
771	11/10/2016	6:53	20
772	11/10/2016	6:54	20
773	11/10/2016	6:55	20
774	11/10/2016	6:56	19
775	11/10/2016	6:57	19
776	11/10/2016	6:58	19
777	11/10/2016	6:59	19
778	11/10/2016	7:00	19
779	11/10/2016	7:01	19
780	11/10/2016	7:02	19
781	11/10/2016	7:03	19
782	11/10/2016	7:04	18
783	11/10/2016	7:05	18
784	11/10/2016	7:06	18
785	11/10/2016	7:07	18
786	11/10/2016	7:08	18
787	11/10/2016	7:09	18
788	11/10/2016	7:10	18
789	11/10/2016	7:11	18
790	11/10/2016	7:12	18
791	11/10/2016	7:13	18
792	11/10/2016	7:14	17
793	11/10/2016	7:15	18
794	11/10/2016	7:16	18
795	11/10/2016	7:17	17
796	11/10/2016	7:18	17
797	11/10/2016	7:19	17
798	11/10/2016	7:20	17
799	11/10/2016	7:21	17
800	11/10/2016	7:22	17

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
801	11/10/2016	7:23	18
802	11/10/2016	7:24	18
803	11/10/2016	7:25	16
804	11/10/2016	7:26	17
805	11/10/2016	7:27	17
806	11/10/2016	7:28	18
807	11/10/2016	7:29	17
808	11/10/2016	7:30	16
809	11/10/2016	7:31	16
810	11/10/2016	7:32	16
811	11/10/2016	7:33	16
812	11/10/2016	7:34	15
813	11/10/2016	7:35	16
814	11/10/2016	7:36	15
815	11/10/2016	7:37	15
816	11/10/2016	7:38	15
817	11/10/2016	7:39	14
818	11/10/2016	7:40	14
819	11/10/2016	7:41	14
820	11/10/2016	7:42	14
821	11/10/2016	7:43	14
822	11/10/2016	7:44	14
823	11/10/2016	7:45	14
824	11/10/2016	7:46	14
825	11/10/2016	7:47	19
826	11/10/2016	7:48	22
827	11/10/2016	7:49	16
828	11/10/2016	7:50	17
829	11/10/2016	7:51	16
830	11/10/2016	7:52	16
831	11/10/2016	7:53	15
832	11/10/2016	7:54	24
833	11/10/2016	7:55	38
834	11/10/2016	7:56	44
835	11/10/2016	7:57	28
836	11/10/2016	7:58	22
837	11/10/2016	7:59	39
838	11/10/2016	8:00	36
839	11/10/2016	8:01	39
840	11/10/2016	8:02	32
841	11/10/2016	8:03	31
842	11/10/2016	8:04	81
843	11/10/2016	8:05	120
844	11/10/2016	8:06	113
845	11/10/2016	8:07	103
846	11/10/2016	8:08	158
847	11/10/2016	8:09	135
848	11/10/2016	8:10	124
849	11/10/2016	8:11	145
850	11/10/2016	8:12	75

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
851	11/10/2016	8:13	73
852	11/10/2016	8:14	101
853	11/10/2016	8:15	95
854	11/10/2016	8:16	82
855	11/10/2016	8:17	131
856	11/10/2016	8:18	359
857	11/10/2016	8:19	399
858	11/10/2016	8:20	410
859	11/10/2016	8:21	449
860	11/10/2016	8:22	479
861	11/10/2016	8:23	381
862	11/10/2016	8:24	231
863	11/10/2016	8:25	233
864	11/10/2016	8:26	273
865	11/10/2016	8:27	375
866	11/10/2016	8:28	380
867	11/10/2016	8:29	411
868	11/10/2016	8:30	245
869	11/10/2016	8:31	161
870	11/10/2016	8:32	157
871	11/10/2016	8:33	133
872	11/10/2016	8:34	108
873	11/10/2016	8:35	85
874	11/10/2016	8:36	107
875	11/10/2016	8:37	176
876	11/10/2016	8:38	301
877	11/10/2016	8:39	171
878	11/10/2016	8:40	204
879	11/10/2016	8:41	139
880	11/10/2016	8:42	112
881	11/10/2016	8:43	238
882	11/10/2016	8:44	465
883	11/10/2016	8:45	348
884	11/10/2016	8:46	169
885	11/10/2016	8:47	156
886	11/10/2016	8:48	137
887	11/10/2016	8:49	148
888	11/10/2016	8:50	134
889	11/10/2016	8:51	134
890	11/10/2016	8:52	102
891	11/10/2016	8:53	108
892	11/10/2016	8:54	109
893	11/10/2016	8:55	108
894	11/10/2016	8:56	121
895	11/10/2016	8:57	105
896	11/10/2016	8:58	117
897	11/10/2016	11:04	27
898	11/10/2016	11:05	19
899	11/10/2016	11:06	11
900	11/10/2016	11:07	11

$\mu g/m^3$ - micrograms per cubic meter

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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
901	11/10/2016	11:08	6
902	11/10/2016	11:09	8
903	11/10/2016	11:10	4
904	11/10/2016	11:11	3
905	11/10/2016	11:12	2
906	11/10/2016	11:13	4
907	11/10/2016	11:14	3
908	11/10/2016	11:15	5
909	11/10/2016	11:16	3
910	11/10/2016	18:15	9
911	11/10/2016	18:16	7
912	11/10/2016	18:17	8
913	11/10/2016	18:18	8
914	11/10/2016	18:19	9
915	11/10/2016	18:20	11
916	11/10/2016	18:21	14
917	11/10/2016	18:22	23
918	11/10/2016	18:23	36
919	11/10/2016	18:24	45
920	11/10/2016	18:25	51
921	11/10/2016	18:26	67
922	11/10/2016	18:27	68
923	11/10/2016	18:28	87
924	11/10/2016	18:29	61
925	11/10/2016	18:30	53
926	11/10/2016	18:31	27
927	11/10/2016	18:32	20
928	11/10/2016	18:33	22
929	11/10/2016	18:34	17
930	11/10/2016	18:35	14
931	11/10/2016	18:36	10
932	11/10/2016	18:37	9
933	11/10/2016	18:38	9
934	11/10/2016	18:39	7
935	11/10/2016	18:40	8
936	11/10/2016	18:41	0
937	11/11/2016	9:13	0
938	11/11/2016	9:14	17
939	11/11/2016	9:15	12
940	11/11/2016	9:16	11
941	11/11/2016	9:17	14
942	11/11/2016	9:18	15
943	11/11/2016	9:19	10
944	11/11/2016	9:20	11
945	11/11/2016	9:21	11
946	11/11/2016	9:22	11
947	11/11/2016	9:23	10
948	11/11/2016	9:24	11
949	11/11/2016	9:25	11
950	11/11/2016	9:26	11
951	11/11/2016	9:27	11
952	11/11/2016	9:28	9
953	11/11/2016	9:29	9
954	11/11/2016	9:30	11
955	11/11/2016	9:31	9
956	11/11/2016	9:32	10
957	11/11/2016	9:33	9
958	11/11/2016	9:34	11
959	11/11/2016	9:35	11
960	11/11/2016	9:36	12
961	11/11/2016	9:37	9
962	11/11/2016	9:38	9
963	11/11/2016	9:39	10
964	11/11/2016	9:40	9
965	11/11/2016	9:41	11
966	11/11/2016	9:42	9
967	11/11/2016	9:43	11
968	11/11/2016	9:44	12
969	11/11/2016	9:45	11
970	11/11/2016	9:46	12
971	11/11/2016	9:47	12
972	11/11/2016	9:48	11
973	11/11/2016	9:49	8
974	11/11/2016	9:50	7
975	11/11/2016	9:51	8
976	11/11/2016	9:52	8
977	11/11/2016	9:53	10
978	11/11/2016	9:54	9
979	11/11/2016	9:55	10
980	11/11/2016	9:56	11
981	11/11/2016	9:57	9
982	11/11/2016	9:58	11
983	11/11/2016	9:59	8
984	11/11/2016	10:00	7
985	11/11/2016	10:01	9
986	11/11/2016	10:02	10
987	11/11/2016	10:03	10
988	11/11/2016	10:04	10
989	11/11/2016	10:05	13
990	11/11/2016	10:06	18
991	11/11/2016	10:07	12
992	11/11/2016	10:08	11
993	11/11/2016	10:09	10
994	11/11/2016	10:10	14
995	11/11/2016	10:11	14
996	11/11/2016	10:12	14
997	11/11/2016	10:13	10
998	11/11/2016	10:14	10
999	11/11/2016	10:15	10
1000	11/11/2016	10:16	9

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
Lackawanna City Hall
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1001	11/11/2016	10:17	8
1002	11/11/2016	10:18	7
1003	11/11/2016	10:19	6
1004	11/11/2016	10:20	7
1005	11/11/2016	10:21	8
1006	11/11/2016	10:22	7
1007	11/11/2016	10:23	6
1008	11/11/2016	10:24	6
1009	11/11/2016	10:25	6
1010	11/11/2016	10:26	5
1011	11/11/2016	10:27	6
1012	11/11/2016	10:28	5
1013	11/11/2016	10:29	5
1014	11/11/2016	10:30	5
1015	11/11/2016	10:31	5
1016	11/11/2016	10:32	7
1017	11/11/2016	10:33	5
1018	11/11/2016	10:34	5
1019	11/11/2016	10:35	6
1020	11/11/2016	10:36	5
1021	11/11/2016	10:37	5
1022	11/11/2016	10:38	5
1023	11/11/2016	10:39	6
1024	11/11/2016	10:40	5
1025	11/11/2016	10:41	5
1026	11/11/2016	10:42	5
1027	11/11/2016	10:43	5
1028	11/11/2016	10:44	5
1029	11/11/2016	10:45	5
1030	11/11/2016	10:46	6
1031	11/11/2016	10:47	8
1032	11/11/2016	10:48	8
1033	11/11/2016	10:49	10
1034	11/11/2016	10:50	12
1035	11/11/2016	10:51	6
1036	11/11/2016	10:52	5
1037	11/11/2016	10:53	14
1038	11/11/2016	10:54	11
1039	11/11/2016	10:55	9
1040	11/11/2016	10:56	9
1041	11/11/2016	10:57	9
1042	11/11/2016	10:58	7
1043	11/11/2016	10:59	8
1044	11/11/2016	11:00	12
1045	11/11/2016	11:01	8
1046	11/11/2016	11:02	8
1047	11/11/2016	11:03	7
1048	11/11/2016	11:04	11
1049	11/11/2016	11:05	9
1050	11/11/2016	11:06	6

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1051	11/11/2016	11:07	6
1052	11/11/2016	11:08	7
1053	11/11/2016	11:09	7
1054	11/11/2016	11:10	6
1055	11/11/2016	11:11	5
1056	11/11/2016	11:12	5
1057	11/11/2016	11:13	6
1058	11/11/2016	11:14	7
1059	11/11/2016	11:15	7
1060	11/11/2016	11:16	5
1061	11/11/2016	11:17	6
1062	11/11/2016	11:18	6
1063	11/11/2016	11:19	4
1064	11/11/2016	11:20	4
1065	11/11/2016	11:21	4
1066	11/11/2016	11:22	5
1067	11/11/2016	11:23	4
1068	11/11/2016	11:24	4
1069	11/11/2016	11:25	4
1070	11/11/2016	11:26	4
1071	11/11/2016	11:27	4
1072	11/11/2016	11:28	6
1073	11/11/2016	11:29	7
1074	11/11/2016	11:30	5
1075	11/11/2016	11:31	5
1076	11/11/2016	11:32	4
1077	11/11/2016	11:33	5
1078	11/11/2016	11:34	4
1079	11/11/2016	11:35	4
1080	11/11/2016	11:36	4
1081	11/11/2016	11:37	4
1082	11/11/2016	11:38	5
1083	11/11/2016	11:39	4
1084	11/11/2016	11:40	5
1085	11/11/2016	11:41	6
1086	11/11/2016	11:42	8
1087	11/11/2016	11:43	11
1088	11/11/2016	11:44	7
1089	11/11/2016	11:45	7
1090	11/11/2016	11:46	6
1091	11/11/2016	11:47	6
1092	11/11/2016	11:48	5
1093	11/11/2016	11:49	5
1094	11/11/2016	11:50	8
1095	11/11/2016	11:51	5
1096	11/11/2016	11:52	13
1097	11/11/2016	11:53	16
1098	11/11/2016	11:54	27
1099	11/11/2016	11:55	28
1100	11/11/2016	11:56	24

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
Lackawanna City Hall
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1101	11/11/2016	11:57	31
1102	11/11/2016	11:58	17
1103	11/11/2016	11:59	17
1104	11/11/2016	12:00	15
1105	11/11/2016	12:01	10
1106	11/11/2016	12:02	17
1107	11/11/2016	12:03	13
1108	11/11/2016	12:04	13
1109	11/11/2016	12:05	10
1110	11/11/2016	12:06	15
1111	11/11/2016	12:07	13
1112	11/11/2016	12:08	7
1113	11/11/2016	12:09	6
1114	11/11/2016	12:10	9
1115	11/11/2016	12:11	7
1116	11/11/2016	12:12	5
1117	11/11/2016	12:13	5
1118	11/11/2016	12:14	4
1119	11/11/2016	12:15	4
1120	11/11/2016	12:16	4
1121	11/11/2016	12:17	4
1122	11/11/2016	12:18	4
1123	11/11/2016	12:19	4
1124	11/11/2016	12:20	4
1125	11/11/2016	12:21	3
1126	11/11/2016	12:22	3
1127	11/11/2016	12:23	3
1128	11/11/2016	12:24	3
1129	11/11/2016	12:25	3
1130	11/11/2016	12:26	3
1131	11/11/2016	12:27	4
1132	11/11/2016	12:28	6
1133	11/11/2016	12:29	5
1134	11/11/2016	12:30	5
1135	11/11/2016	12:31	3
1136	11/11/2016	12:32	4
1137	11/11/2016	12:33	4
1138	11/11/2016	12:34	4
1139	11/11/2016	12:35	3
1140	11/11/2016	12:36	4
1141	11/11/2016	12:37	4
1142	11/11/2016	12:38	4
1143	11/11/2016	12:39	5
1144	11/11/2016	12:40	4
1145	11/11/2016	12:41	3
1146	11/11/2016	12:42	4
1147	11/11/2016	12:43	4
1148	11/11/2016	12:44	5
1149	11/11/2016	12:45	4
1150	11/11/2016	12:46	4
1151	11/11/2016	12:47	5
1152	11/11/2016	12:48	4
1153	11/11/2016	12:49	3
1154	11/11/2016	12:50	3
1155	11/11/2016	12:51	3
1156	11/11/2016	12:52	3
1157	11/11/2016	12:53	3
1158	11/11/2016	12:54	3
1159	11/11/2016	12:55	3
1160	11/11/2016	12:56	3
1161	11/11/2016	12:57	3
1162	11/11/2016	12:58	4
1163	11/11/2016	12:59	4
1164	11/11/2016	13:00	3
1165	11/11/2016	13:01	4
1166	11/11/2016	13:02	3
1167	11/11/2016	13:03	3
1168	11/11/2016	13:04	4
1169	11/11/2016	13:05	4
1170	11/11/2016	13:06	4
1171	11/11/2016	13:07	4
1172	11/11/2016	13:08	3
1173	11/11/2016	13:09	3
1174	11/11/2016	13:10	3
1175	11/11/2016	13:11	3
1176	11/11/2016	13:12	3
1177	11/11/2016	13:13	3
1178	11/11/2016	13:14	3
1179	11/11/2016	13:15	3
1180	11/11/2016	13:16	3
1181	11/11/2016	13:17	4
1182	11/11/2016	13:18	4
1183	11/11/2016	13:19	4
1184	11/11/2016	13:20	4
1185	11/11/2016	13:21	4
1186	11/11/2016	13:22	4
1187	11/11/2016	13:23	4
1188	11/11/2016	13:24	4
1189	11/11/2016	13:25	4
1190	11/11/2016	13:26	3
1191	11/11/2016	13:27	3
1192	11/11/2016	13:28	4
1193	11/11/2016	13:29	4
1194	11/11/2016	13:30	4
1195	11/11/2016	13:31	3
1196	11/11/2016	13:32	4
1197	11/11/2016	13:33	4
1198	11/11/2016	13:34	4
1199	11/11/2016	13:35	3
1200	11/11/2016	13:36	4

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
Lackawanna City Hall
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1201	11/11/2016	13:37	3
1202	11/11/2016	13:38	4
1203	11/11/2016	13:39	3
1204	11/11/2016	13:40	4
1205	11/11/2016	13:41	4
1206	11/11/2016	13:42	4
1207	11/11/2016	13:43	4
1208	11/11/2016	13:44	4
1209	11/11/2016	13:45	4
1210	11/11/2016	13:46	4
1211	11/11/2016	13:47	4
1212	11/11/2016	13:48	4
1213	11/11/2016	13:49	4
1214	11/11/2016	13:50	4
1215	11/11/2016	13:51	4
1216	11/11/2016	13:52	5
1217	11/11/2016	13:53	4
1218	11/11/2016	13:54	4
1219	11/11/2016	13:55	4
1220	11/11/2016	13:56	4
1221	11/11/2016	13:57	4
1222	11/11/2016	13:58	4
1223	11/11/2016	13:59	4
1224	11/11/2016	14:00	4
1225	11/11/2016	14:01	4
1226	11/11/2016	14:02	4
1227	11/11/2016	14:03	4
1228	11/11/2016	14:04	3
1229	11/11/2016	14:05	4
1230	11/11/2016	14:06	4
1231	11/11/2016	14:07	4
1232	11/11/2016	14:08	5
1233	11/11/2016	14:09	4
1234	11/11/2016	14:10	4
1235	11/11/2016	14:11	4
1236	11/11/2016	14:12	4
1237	11/11/2016	14:13	3
1238	11/11/2016	14:14	3
1239	11/11/2016	14:15	4
1240	11/11/2016	14:16	4
1241	11/11/2016	14:17	4
1242	11/11/2016	14:18	4
1243	11/11/2016	14:19	4
1244	11/11/2016	14:20	4
1245	11/11/2016	14:21	4
1246	11/11/2016	14:22	4
1247	11/11/2016	14:23	4
1248	11/11/2016	14:24	4
1249	11/11/2016	14:25	4
1250	11/11/2016	14:26	5

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1251	11/11/2016	14:27	4
1252	11/11/2016	14:28	4
1253	11/11/2016	14:29	4
1254	11/11/2016	14:30	4
1255	11/11/2016	14:31	4
1256	11/11/2016	14:32	4
1257	11/11/2016	14:33	4
1258	11/11/2016	14:34	4
1259	11/11/2016	14:35	4
1260	11/11/2016	14:36	4
1261	11/11/2016	14:37	4
1262	11/11/2016	14:38	4
1263	11/11/2016	14:39	4
1264	11/11/2016	14:40	4
1265	11/11/2016	14:41	4
1266	11/11/2016	14:42	5
1267	11/11/2016	14:43	6
1268	11/11/2016	14:44	4
1269	11/11/2016	14:45	5
1270	11/11/2016	14:46	4
1271	11/11/2016	14:47	4
1272	11/11/2016	14:48	5
1273	11/11/2016	14:49	5
1274	11/11/2016	14:50	5
1275	11/11/2016	14:51	4
1276	11/11/2016	14:52	4
1277	11/11/2016	14:53	4
1278	11/11/2016	14:54	4
1279	11/11/2016	14:55	5
1280	11/11/2016	14:56	4
1281	11/11/2016	14:57	4
1282	11/11/2016	14:58	4
1283	11/11/2016	14:59	4
1284	11/11/2016	15:00	4
1285	11/11/2016	15:01	4
1286	11/11/2016	15:02	4
1287	11/11/2016	15:03	5
1288	11/11/2016	15:04	4
1289	11/11/2016	15:05	6
1290	11/11/2016	15:06	17
1291	11/11/2016	15:07	10
1292	11/11/2016	15:08	11
1293	11/11/2016	15:09	22
1294	11/11/2016	15:10	22
1295	11/11/2016	15:11	17
1296	11/11/2016	15:12	15
1297	11/11/2016	15:13	14
1298	11/11/2016	15:14	13
1299	11/11/2016	15:15	8
1300	11/11/2016	15:16	17

$\mu g/m^3$ - micrograms per cubic meter

Table 7: Station AS007 Particulates Results
Lackawanna City Hall
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
1301	11/11/2016	15:17	19
1302	11/11/2016	15:18	7
1303	11/11/2016	15:19	6
1304	11/11/2016	15:20	5
1305	11/11/2016	15:21	7
1306	11/11/2016	15:22	9
1307	11/11/2016	15:23	15
1308	11/11/2016	15:24	20
1309	11/11/2016	15:25	22
1310	11/11/2016	15:26	20
1311	11/11/2016	15:27	13
1312	11/11/2016	15:28	15
1313	11/11/2016	15:29	20
1314	11/11/2016	15:30	10
1315	11/11/2016	15:31	13
1316	11/11/2016	15:32	15
1317	11/11/2016	15:33	11
1318	11/11/2016	15:34	11
1319	11/11/2016	15:35	6
1320	11/11/2016	15:36	8

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
1321	11/11/2016	15:37	6
1322	11/11/2016	15:38	7
1323	11/11/2016	15:39	10
1324	11/11/2016	15:40	9
1325	11/11/2016	15:41	8
1326	11/11/2016	15:42	9
1327	11/11/2016	15:43	7
1328	11/11/2016	15:44	5
1329	11/11/2016	15:45	6
1330	11/11/2016	15:46	6
1331	11/11/2016	15:47	6
1332	11/11/2016	15:48	6
1333	11/11/2016	15:49	7
1334	11/11/2016	15:50	6
1335	11/11/2016	15:51	6
1336	11/11/2016	15:52	6
1337	11/11/2016	15:53	5
1338	11/11/2016	15:54	10
1339	11/11/2016	15:55	6
1340	11/11/2016	15:56	6

µg/m^3 - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1	11/9/2016	18:55	35
2	11/9/2016	18:56	31
3	11/9/2016	18:57	29
4	11/9/2016	18:58	27
5	11/9/2016	18:59	26
6	11/9/2016	19:00	29
7	11/9/2016	19:01	29
8	11/9/2016	19:02	27
9	11/9/2016	19:03	30
10	11/9/2016	19:04	25
11	11/9/2016	19:05	25
12	11/9/2016	19:06	28
13	11/9/2016	19:07	27
14	11/9/2016	19:08	26
15	11/9/2016	19:09	25
16	11/9/2016	19:10	26
17	11/9/2016	19:11	26
18	11/9/2016	19:12	26
19	11/9/2016	19:13	26
20	11/9/2016	19:14	27
21	11/9/2016	19:15	32
22	11/9/2016	19:16	30
23	11/9/2016	19:17	28
24	11/9/2016	19:18	27
25	11/9/2016	19:19	25
26	11/9/2016	19:20	23
27	11/9/2016	19:21	21
28	11/9/2016	19:22	21
29	11/9/2016	19:23	20
30	11/9/2016	19:24	19
31	11/9/2016	19:25	20
32	11/9/2016	19:26	20
33	11/9/2016	19:27	20
34	11/9/2016	19:28	20
35	11/9/2016	19:29	19
36	11/9/2016	19:30	19
37	11/9/2016	19:31	19
38	11/9/2016	19:32	19
39	11/9/2016	19:33	19
40	11/9/2016	19:34	17
41	11/9/2016	19:35	18
42	11/9/2016	19:36	17
43	11/9/2016	19:37	17
44	11/9/2016	19:38	17
45	11/9/2016	19:39	17
46	11/9/2016	19:40	17
47	11/9/2016	19:41	16
48	11/9/2016	19:42	16
49	11/9/2016	19:43	16
50	11/9/2016	19:44	16
51	11/9/2016	19:45	16
52	11/9/2016	19:46	16
53	11/9/2016	19:47	16
54	11/9/2016	19:48	16
55	11/9/2016	19:49	16
56	11/9/2016	19:50	16
57	11/9/2016	19:51	16
58	11/9/2016	19:52	16
59	11/9/2016	19:53	15
60	11/9/2016	19:54	16
61	11/9/2016	19:55	15
62	11/9/2016	19:56	14
63	11/9/2016	19:57	14
64	11/9/2016	19:58	15
65	11/9/2016	19:59	16
66	11/9/2016	20:00	17
67	11/9/2016	20:01	17
68	11/9/2016	20:02	17
69	11/9/2016	20:03	17
70	11/9/2016	20:04	17
71	11/9/2016	20:05	18
72	11/9/2016	20:06	18
73	11/9/2016	20:07	17
74	11/9/2016	20:08	21
75	11/9/2016	20:09	19
76	11/9/2016	20:10	19
77	11/9/2016	20:11	19
78	11/9/2016	20:12	19
79	11/9/2016	20:13	18
80	11/9/2016	20:14	20
81	11/9/2016	20:15	20
82	11/9/2016	20:16	19
83	11/9/2016	20:17	19
84	11/9/2016	20:18	19
85	11/9/2016	20:19	19
86	11/9/2016	20:20	19
87	11/9/2016	20:21	18
88	11/9/2016	20:22	18
89	11/9/2016	20:23	18
90	11/9/2016	20:24	18
91	11/9/2016	20:25	18
92	11/9/2016	20:26	18
93	11/9/2016	20:27	18
94	11/9/2016	20:28	18
95	11/9/2016	20:29	18
96	11/9/2016	20:30	19
97	11/9/2016	20:31	18
98	11/9/2016	20:32	18
99	11/9/2016	20:33	19
100	11/9/2016	20:34	19

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
101	11/9/2016	20:35	19
102	11/9/2016	20:36	19
103	11/9/2016	20:37	20
104	11/9/2016	20:38	20
105	11/9/2016	20:39	20
106	11/9/2016	20:40	20
107	11/9/2016	20:41	21
108	11/9/2016	20:42	20
109	11/9/2016	20:43	20
110	11/9/2016	20:44	20
111	11/9/2016	20:45	20
112	11/9/2016	20:46	20
113	11/9/2016	20:47	21
114	11/9/2016	20:48	21
115	11/9/2016	20:49	22
116	11/9/2016	20:50	22
117	11/9/2016	20:51	25
118	11/9/2016	20:52	23
119	11/9/2016	20:53	21
120	11/9/2016	20:54	21
121	11/9/2016	20:55	22
122	11/9/2016	20:56	22
123	11/9/2016	20:57	21
124	11/9/2016	20:58	22
125	11/9/2016	20:59	24
126	11/9/2016	21:00	20
127	11/9/2016	21:01	19
128	11/9/2016	21:02	21
129	11/9/2016	21:03	21
130	11/9/2016	21:04	20
131	11/9/2016	21:05	18
132	11/9/2016	21:06	20
133	11/9/2016	21:07	21
134	11/9/2016	21:08	21
135	11/9/2016	21:09	22
136	11/9/2016	21:10	24
137	11/9/2016	21:11	23
138	11/9/2016	21:12	23
139	11/9/2016	21:13	23
140	11/9/2016	21:14	25
141	11/9/2016	21:15	19
142	11/9/2016	21:16	18
143	11/9/2016	21:17	17
144	11/9/2016	21:18	17
145	11/9/2016	21:19	16
146	11/9/2016	21:20	15
147	11/9/2016	21:21	18
148	11/9/2016	21:22	15
149	11/9/2016	21:23	19
150	11/9/2016	21:24	18

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
151	11/9/2016	21:25	17
152	11/9/2016	21:26	19
153	11/9/2016	21:27	19
154	11/9/2016	21:28	19
155	11/9/2016	21:29	18
156	11/9/2016	21:30	18
157	11/9/2016	21:31	17
158	11/9/2016	21:32	17
159	11/9/2016	21:33	18
160	11/9/2016	21:34	17
161	11/9/2016	21:35	15
162	11/9/2016	21:36	16
163	11/9/2016	21:37	16
164	11/9/2016	21:38	16
165	11/9/2016	21:39	16
166	11/9/2016	21:40	15
167	11/9/2016	21:41	16
168	11/9/2016	21:42	16
169	11/9/2016	21:43	15
170	11/9/2016	21:44	15
171	11/9/2016	21:45	15
172	11/9/2016	21:46	15
173	11/9/2016	21:47	15
174	11/9/2016	21:48	15
175	11/9/2016	21:49	16
176	11/9/2016	21:50	15
177	11/9/2016	21:51	14
178	11/9/2016	21:52	15
179	11/9/2016	21:53	14
180	11/9/2016	21:54	14
181	11/9/2016	21:55	15
182	11/9/2016	21:56	16
183	11/9/2016	21:57	16
184	11/9/2016	21:58	16
185	11/9/2016	21:59	16
186	11/9/2016	22:00	16
187	11/9/2016	22:01	16
188	11/9/2016	22:02	16
189	11/9/2016	22:03	16
190	11/9/2016	22:04	16
191	11/9/2016	22:05	16
192	11/9/2016	22:06	17
193	11/9/2016	22:07	16
194	11/9/2016	22:08	15
195	11/9/2016	22:09	15
196	11/9/2016	22:10	16
197	11/9/2016	22:11	16
198	11/9/2016	22:12	17
199	11/9/2016	22:13	16
200	11/9/2016	22:14	17

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
201	11/9/2016	22:15	17
202	11/9/2016	22:16	16
203	11/9/2016	22:17	16
204	11/9/2016	22:18	17
205	11/9/2016	22:19	16
206	11/9/2016	22:20	16
207	11/9/2016	22:21	16
208	11/9/2016	22:22	16
209	11/9/2016	22:23	17
210	11/9/2016	22:24	17
211	11/9/2016	22:25	16
212	11/9/2016	22:26	16
213	11/9/2016	22:27	16
214	11/9/2016	22:28	16
215	11/9/2016	22:29	16
216	11/9/2016	22:30	17
217	11/9/2016	22:31	17
218	11/9/2016	22:32	18
219	11/9/2016	22:33	18
220	11/9/2016	22:34	20
221	11/9/2016	22:35	20
222	11/9/2016	22:36	21
223	11/9/2016	22:37	17
224	11/9/2016	22:38	18
225	11/9/2016	22:39	18
226	11/9/2016	22:40	18
227	11/9/2016	22:41	17
228	11/9/2016	22:42	17
229	11/9/2016	22:43	17
230	11/9/2016	22:44	17
231	11/9/2016	22:45	16
232	11/9/2016	22:46	17
233	11/9/2016	22:47	17
234	11/9/2016	22:48	16
235	11/9/2016	22:49	16
236	11/9/2016	22:50	16
237	11/9/2016	22:51	16
238	11/9/2016	22:52	17
239	11/9/2016	22:53	17
240	11/9/2016	22:54	15
241	11/9/2016	22:55	17
242	11/9/2016	22:56	17
243	11/9/2016	22:57	17
244	11/9/2016	22:58	17
245	11/9/2016	22:59	17
246	11/9/2016	23:00	17
247	11/9/2016	23:01	17
248	11/9/2016	23:02	17
249	11/9/2016	23:03	17
250	11/9/2016	23:04	17
251	11/9/2016	23:05	17
252	11/9/2016	23:06	17
253	11/9/2016	23:07	18
254	11/9/2016	23:08	18
255	11/9/2016	23:09	18
256	11/9/2016	23:10	18
257	11/9/2016	23:11	18
258	11/9/2016	23:12	19
259	11/9/2016	23:13	18
260	11/9/2016	23:14	17
261	11/9/2016	23:15	17
262	11/9/2016	23:16	17
263	11/9/2016	23:17	17
264	11/9/2016	23:18	17
265	11/9/2016	23:19	17
266	11/9/2016	23:20	17
267	11/9/2016	23:21	16
268	11/9/2016	23:22	16
269	11/9/2016	23:23	16
270	11/9/2016	23:24	16
271	11/9/2016	23:25	16
272	11/9/2016	23:26	16
273	11/9/2016	23:27	16
274	11/9/2016	23:28	16
275	11/9/2016	23:29	18
276	11/9/2016	23:30	17
277	11/9/2016	23:31	18
278	11/9/2016	23:32	18
279	11/9/2016	23:33	17
280	11/9/2016	23:34	17
281	11/9/2016	23:35	17
282	11/9/2016	23:36	16
283	11/9/2016	23:37	15
284	11/9/2016	23:38	15
285	11/9/2016	23:39	15
286	11/9/2016	23:40	15
287	11/9/2016	23:41	15
288	11/9/2016	23:42	17
289	11/9/2016	23:43	18
290	11/9/2016	23:44	16
291	11/9/2016	23:45	16
292	11/9/2016	23:46	16
293	11/9/2016	23:47	16
294	11/9/2016	23:48	17
295	11/9/2016	23:49	17
296	11/9/2016	23:50	17
297	11/9/2016	23:51	15
298	11/9/2016	23:52	15
299	11/9/2016	23:53	14
300	11/9/2016	23:54	14

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
301	11/9/2016	23:55	15
302	11/9/2016	23:56	15
303	11/9/2016	23:57	14
304	11/9/2016	23:58	14
305	11/9/2016	23:59	15
306	11/10/2016	0:00	15
307	11/10/2016	0:01	15
308	11/10/2016	0:02	15
309	11/10/2016	0:03	15
310	11/10/2016	0:04	15
311	11/10/2016	0:05	14
312	11/10/2016	0:06	14
313	11/10/2016	0:07	14
314	11/10/2016	0:08	14
315	11/10/2016	0:09	14
316	11/10/2016	0:10	14
317	11/10/2016	0:11	14
318	11/10/2016	0:12	14
319	11/10/2016	0:13	14
320	11/10/2016	0:14	14
321	11/10/2016	0:15	14
322	11/10/2016	0:16	15
323	11/10/2016	0:17	15
324	11/10/2016	0:18	15
325	11/10/2016	0:19	15
326	11/10/2016	0:20	16
327	11/10/2016	0:21	15
328	11/10/2016	0:22	15
329	11/10/2016	0:23	16
330	11/10/2016	0:24	16
331	11/10/2016	0:25	16
332	11/10/2016	0:26	15
333	11/10/2016	0:27	16
334	11/10/2016	0:28	16
335	11/10/2016	0:29	16
336	11/10/2016	0:30	16
337	11/10/2016	0:31	17
338	11/10/2016	0:32	18
339	11/10/2016	0:33	17
340	11/10/2016	0:34	18
341	11/10/2016	0:35	18
342	11/10/2016	0:36	18
343	11/10/2016	0:37	18
344	11/10/2016	0:38	20
345	11/10/2016	0:39	19
346	11/10/2016	0:40	20
347	11/10/2016	0:41	20
348	11/10/2016	0:42	21
349	11/10/2016	0:43	22
350	11/10/2016	0:44	21

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
351	11/10/2016	0:45	22
352	11/10/2016	0:46	23
353	11/10/2016	0:47	21
354	11/10/2016	0:48	22
355	11/10/2016	0:49	22
356	11/10/2016	0:50	22
357	11/10/2016	0:51	21
358	11/10/2016	0:52	25
359	11/10/2016	0:53	26
360	11/10/2016	0:54	26
361	11/10/2016	0:55	27
362	11/10/2016	0:56	28
363	11/10/2016	0:57	30
364	11/10/2016	0:58	32
365	11/10/2016	0:59	29
366	11/10/2016	1:00	24
367	11/10/2016	1:01	25
368	11/10/2016	1:02	25
369	11/10/2016	1:03	26
370	11/10/2016	1:04	29
371	11/10/2016	1:05	28
372	11/10/2016	1:06	29
373	11/10/2016	1:07	29
374	11/10/2016	1:08	30
375	11/10/2016	1:09	28
376	11/10/2016	1:10	26
377	11/10/2016	1:11	25
378	11/10/2016	1:12	27
379	11/10/2016	1:13	26
380	11/10/2016	1:14	26
381	11/10/2016	1:15	26
382	11/10/2016	1:16	26
383	11/10/2016	1:17	26
384	11/10/2016	1:18	24
385	11/10/2016	1:19	22
386	11/10/2016	1:20	21
387	11/10/2016	1:21	19
388	11/10/2016	1:22	19
389	11/10/2016	1:23	18
390	11/10/2016	1:24	17
391	11/10/2016	1:25	17
392	11/10/2016	1:26	17
393	11/10/2016	1:27	16
394	11/10/2016	1:28	16
395	11/10/2016	1:29	17
396	11/10/2016	1:30	17
397	11/10/2016	1:31	16
398	11/10/2016	1:32	17
399	11/10/2016	1:33	18
400	11/10/2016	1:34	18

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
401	11/10/2016	1:35	17
402	11/10/2016	1:36	17
403	11/10/2016	1:37	18
404	11/10/2016	1:38	18
405	11/10/2016	1:39	19
406	11/10/2016	1:40	20
407	11/10/2016	1:41	20
408	11/10/2016	1:42	21
409	11/10/2016	1:43	21
410	11/10/2016	1:44	21
411	11/10/2016	1:45	20
412	11/10/2016	1:46	19
413	11/10/2016	1:47	18
414	11/10/2016	1:48	18
415	11/10/2016	1:49	17
416	11/10/2016	1:50	17
417	11/10/2016	1:51	17
418	11/10/2016	1:52	16
419	11/10/2016	1:53	16
420	11/10/2016	1:54	16
421	11/10/2016	1:55	16
422	11/10/2016	1:56	16
423	11/10/2016	1:57	16
424	11/10/2016	1:58	15
425	11/10/2016	1:59	14
426	11/10/2016	2:00	14
427	11/10/2016	2:01	14
428	11/10/2016	2:02	14
429	11/10/2016	2:03	14
430	11/10/2016	2:04	14
431	11/10/2016	2:05	14
432	11/10/2016	2:06	14
433	11/10/2016	2:07	14
434	11/10/2016	2:08	14
435	11/10/2016	2:09	14
436	11/10/2016	2:10	14
437	11/10/2016	2:11	14
438	11/10/2016	2:12	15
439	11/10/2016	2:13	14
440	11/10/2016	2:14	14
441	11/10/2016	2:15	15
442	11/10/2016	2:16	14
443	11/10/2016	2:17	14
444	11/10/2016	2:18	15
445	11/10/2016	2:19	14
446	11/10/2016	2:20	14
447	11/10/2016	2:21	15
448	11/10/2016	2:22	14
449	11/10/2016	2:23	14
450	11/10/2016	2:24	14
451	11/10/2016	2:25	15
452	11/10/2016	2:26	15
453	11/10/2016	2:27	15
454	11/10/2016	2:28	15
455	11/10/2016	2:29	15
456	11/10/2016	2:30	15
457	11/10/2016	2:31	15
458	11/10/2016	2:32	15
459	11/10/2016	2:33	15
460	11/10/2016	2:34	14
461	11/10/2016	2:35	14
462	11/10/2016	2:36	14
463	11/10/2016	2:37	15
464	11/10/2016	2:38	15
465	11/10/2016	2:39	15
466	11/10/2016	2:40	15
467	11/10/2016	2:41	16
468	11/10/2016	2:42	17
469	11/10/2016	2:43	15
470	11/10/2016	2:44	16
471	11/10/2016	2:45	17
472	11/10/2016	2:46	17
473	11/10/2016	2:47	18
474	11/10/2016	2:48	19
475	11/10/2016	2:49	19
476	11/10/2016	2:50	20
477	11/10/2016	2:51	21
478	11/10/2016	2:52	22
479	11/10/2016	2:53	23
480	11/10/2016	2:54	22
481	11/10/2016	2:55	22
482	11/10/2016	2:56	22
483	11/10/2016	2:57	21
484	11/10/2016	2:58	20
485	11/10/2016	2:59	19
486	11/10/2016	3:00	20
487	11/10/2016	3:01	22
488	11/10/2016	3:02	24
489	11/10/2016	3:03	25
490	11/10/2016	3:04	22
491	11/10/2016	3:05	22
492	11/10/2016	3:06	22
493	11/10/2016	3:07	21
494	11/10/2016	3:08	20
495	11/10/2016	3:09	22
496	11/10/2016	3:10	22
497	11/10/2016	3:11	21
498	11/10/2016	3:12	21
499	11/10/2016	3:13	21
500	11/10/2016	3:14	22

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
501	11/10/2016	3:15	22
502	11/10/2016	3:16	21
503	11/10/2016	3:17	20
504	11/10/2016	3:18	21
505	11/10/2016	3:19	20
506	11/10/2016	3:20	21
507	11/10/2016	3:21	20
508	11/10/2016	3:22	20
509	11/10/2016	3:23	19
510	11/10/2016	3:24	20
511	11/10/2016	3:25	19
512	11/10/2016	3:26	19
513	11/10/2016	3:27	19
514	11/10/2016	3:28	20
515	11/10/2016	3:29	22
516	11/10/2016	3:30	21
517	11/10/2016	3:31	21
518	11/10/2016	3:32	22
519	11/10/2016	3:33	22
520	11/10/2016	3:34	23
521	11/10/2016	3:35	23
522	11/10/2016	3:36	23
523	11/10/2016	3:37	23
524	11/10/2016	3:38	24
525	11/10/2016	3:39	24
526	11/10/2016	3:40	24
527	11/10/2016	3:41	24
528	11/10/2016	3:42	24
529	11/10/2016	3:43	24
530	11/10/2016	3:44	24
531	11/10/2016	3:45	24
532	11/10/2016	3:46	24
533	11/10/2016	3:47	23
534	11/10/2016	3:48	23
535	11/10/2016	3:49	23
536	11/10/2016	3:50	23
537	11/10/2016	3:51	24
538	11/10/2016	3:52	23
539	11/10/2016	3:53	22
540	11/10/2016	3:54	24
541	11/10/2016	3:55	24
542	11/10/2016	3:56	25
543	11/10/2016	3:57	25
544	11/10/2016	3:58	25
545	11/10/2016	3:59	27
546	11/10/2016	4:00	26
547	11/10/2016	4:01	26
548	11/10/2016	4:02	26
549	11/10/2016	4:03	26
550	11/10/2016	4:04	26

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
551	11/10/2016	4:05	26
552	11/10/2016	4:06	25
553	11/10/2016	4:07	25
554	11/10/2016	4:08	26
555	11/10/2016	4:09	25
556	11/10/2016	4:10	26
557	11/10/2016	4:11	25
558	11/10/2016	4:12	25
559	11/10/2016	4:13	26
560	11/10/2016	4:14	25
561	11/10/2016	4:15	25
562	11/10/2016	4:16	25
563	11/10/2016	4:17	25
564	11/10/2016	4:18	26
565	11/10/2016	4:19	26
566	11/10/2016	4:20	26
567	11/10/2016	4:21	26
568	11/10/2016	4:22	27
569	11/10/2016	4:23	26
570	11/10/2016	4:24	27
571	11/10/2016	4:25	27
572	11/10/2016	4:26	27
573	11/10/2016	4:27	27
574	11/10/2016	4:28	26
575	11/10/2016	4:29	27
576	11/10/2016	4:30	27
577	11/10/2016	4:31	27
578	11/10/2016	4:32	27
579	11/10/2016	4:33	27
580	11/10/2016	4:34	27
581	11/10/2016	4:35	27
582	11/10/2016	4:36	27
583	11/10/2016	4:37	27
584	11/10/2016	4:38	27
585	11/10/2016	4:39	27
586	11/10/2016	4:40	27
587	11/10/2016	4:41	27
588	11/10/2016	4:42	28
589	11/10/2016	4:43	28
590	11/10/2016	4:44	28
591	11/10/2016	4:45	28
592	11/10/2016	4:46	28
593	11/10/2016	4:47	28
594	11/10/2016	4:48	27
595	11/10/2016	4:49	27
596	11/10/2016	4:50	27
597	11/10/2016	4:51	28
598	11/10/2016	4:52	28
599	11/10/2016	4:53	27
600	11/10/2016	4:54	27

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
601	11/10/2016	4:55	28
602	11/10/2016	4:56	27
603	11/10/2016	4:57	27
604	11/10/2016	4:58	27
605	11/10/2016	4:59	27
606	11/10/2016	5:00	27
607	11/10/2016	5:01	28
608	11/10/2016	5:02	27
609	11/10/2016	5:03	28
610	11/10/2016	5:04	28
611	11/10/2016	5:05	28
612	11/10/2016	5:06	28
613	11/10/2016	5:07	28
614	11/10/2016	5:08	27
615	11/10/2016	5:09	27
616	11/10/2016	5:10	28
617	11/10/2016	5:11	27
618	11/10/2016	5:12	27
619	11/10/2016	5:13	27
620	11/10/2016	5:14	27
621	11/10/2016	5:15	27
622	11/10/2016	5:16	27
623	11/10/2016	5:17	26
624	11/10/2016	5:18	26
625	11/10/2016	5:19	27
626	11/10/2016	5:20	28
627	11/10/2016	5:21	27
628	11/10/2016	5:22	27
629	11/10/2016	5:23	27
630	11/10/2016	5:24	27
631	11/10/2016	5:25	28
632	11/10/2016	5:26	28
633	11/10/2016	5:27	28
634	11/10/2016	5:28	28
635	11/10/2016	5:29	28
636	11/10/2016	5:30	28
637	11/10/2016	5:31	28
638	11/10/2016	5:32	28
639	11/10/2016	5:33	28
640	11/10/2016	5:34	28
641	11/10/2016	5:35	28
642	11/10/2016	5:36	28
643	11/10/2016	5:37	28
644	11/10/2016	5:38	28
645	11/10/2016	5:39	27
646	11/10/2016	5:40	27
647	11/10/2016	5:41	27
648	11/10/2016	5:42	27
649	11/10/2016	5:43	27
650	11/10/2016	5:44	27
651	11/10/2016	5:45	27
652	11/10/2016	5:46	27
653	11/10/2016	5:47	27
654	11/10/2016	5:48	27
655	11/10/2016	5:49	27
656	11/10/2016	5:50	27
657	11/10/2016	5:51	27
658	11/10/2016	5:52	27
659	11/10/2016	5:53	27
660	11/10/2016	5:54	27
661	11/10/2016	5:55	27
662	11/10/2016	5:56	27
663	11/10/2016	5:57	27
664	11/10/2016	5:58	27
665	11/10/2016	5:59	27
666	11/10/2016	6:00	27
667	11/10/2016	6:01	26
668	11/10/2016	6:02	27
669	11/10/2016	6:03	26
670	11/10/2016	6:04	26
671	11/10/2016	6:05	26
672	11/10/2016	6:06	26
673	11/10/2016	6:07	27
674	11/10/2016	6:08	26
675	11/10/2016	6:09	26
676	11/10/2016	6:10	26
677	11/10/2016	6:11	26
678	11/10/2016	6:12	26
679	11/10/2016	6:13	27
680	11/10/2016	6:14	27
681	11/10/2016	6:15	27
682	11/10/2016	6:16	27
683	11/10/2016	6:17	28
684	11/10/2016	6:18	28
685	11/10/2016	6:19	27
686	11/10/2016	6:20	27
687	11/10/2016	6:21	26
688	11/10/2016	6:22	26
689	11/10/2016	6:23	26
690	11/10/2016	6:24	26
691	11/10/2016	6:25	26
692	11/10/2016	6:26	26
693	11/10/2016	6:27	27
694	11/10/2016	6:28	27
695	11/10/2016	6:29	26
696	11/10/2016	6:30	26
697	11/10/2016	6:31	26
698	11/10/2016	6:32	26
699	11/10/2016	6:33	25
700	11/10/2016	6:34	26

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
701	11/10/2016	6:35	25
702	11/10/2016	6:36	25
703	11/10/2016	6:37	25
704	11/10/2016	6:38	24
705	11/10/2016	6:39	24
706	11/10/2016	6:40	25
707	11/10/2016	6:41	24
708	11/10/2016	6:42	24
709	11/10/2016	6:43	24
710	11/10/2016	6:44	24
711	11/10/2016	6:45	24
712	11/10/2016	6:46	23
713	11/10/2016	6:47	23
714	11/10/2016	6:48	23
715	11/10/2016	6:49	23
716	11/10/2016	6:50	23
717	11/10/2016	6:51	23
718	11/10/2016	6:52	23
719	11/10/2016	6:53	23
720	11/10/2016	6:54	23
721	11/10/2016	11:27	18
722	11/10/2016	11:28	21
723	11/10/2016	11:29	18
724	11/10/2016	11:30	18
725	11/10/2016	11:31	16
726	11/10/2016	11:32	16
727	11/10/2016	11:33	16
728	11/10/2016	11:34	17
729	11/10/2016	11:35	17
730	11/10/2016	11:36	17
731	11/10/2016	11:37	17
732	11/10/2016	11:38	15
733	11/10/2016	11:39	20
734	11/10/2016	11:40	17
735	11/10/2016	11:41	19
736	11/10/2016	11:42	17
737	11/10/2016	11:43	17
738	11/10/2016	11:44	16
739	11/10/2016	11:45	18
740	11/10/2016	11:46	17
741	11/10/2016	11:47	16
742	11/10/2016	11:48	16
743	11/10/2016	11:49	17
744	11/10/2016	11:50	17
745	11/10/2016	11:51	19
746	11/10/2016	11:52	20
747	11/10/2016	11:53	17
748	11/10/2016	11:54	19
749	11/10/2016	11:55	23
750	11/10/2016	11:56	19
751	11/10/2016	11:57	18
752	11/10/2016	11:58	18
753	11/10/2016	11:59	16
754	11/10/2016	12:00	16
755	11/10/2016	12:01	18
756	11/10/2016	12:02	17
757	11/10/2016	12:03	17
758	11/10/2016	12:04	11
759	11/10/2016	12:05	12
760	11/10/2016	12:06	13
761	11/10/2016	12:07	10
762	11/10/2016	12:08	9
763	11/10/2016	12:09	13
764	11/10/2016	12:10	11
765	11/10/2016	12:11	6
766	11/10/2016	12:12	12
767	11/10/2016	12:13	9
768	11/10/2016	12:14	10
769	11/10/2016	12:15	11
770	11/10/2016	12:16	17
771	11/10/2016	12:17	12
772	11/10/2016	12:18	14
773	11/10/2016	18:39	9
774	11/10/2016	18:40	7
775	11/10/2016	18:41	7
776	11/10/2016	18:42	7
777	11/10/2016	18:43	8
778	11/10/2016	18:44	9
779	11/10/2016	18:45	6
780	11/10/2016	18:46	6
781	11/10/2016	18:47	7
782	11/10/2016	18:48	6
783	11/10/2016	18:49	6
784	11/10/2016	18:50	6
785	11/10/2016	18:51	6
786	11/10/2016	18:52	6
787	11/10/2016	18:53	7
788	11/10/2016	18:54	7
789	11/10/2016	18:55	6
790	11/10/2016	18:56	6
791	11/10/2016	18:57	6
792	11/10/2016	18:58	6
793	11/10/2016	18:59	6
794	11/10/2016	19:00	6
795	11/10/2016	19:01	6
796	11/10/2016	19:02	5
797	11/10/2016	19:03	5
798	11/10/2016	19:04	5
799	11/10/2016	19:05	6
800	11/10/2016	19:06	6

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
801	11/10/2016	19:07	7
802	11/10/2016	19:08	7
803	11/10/2016	19:09	5
804	11/10/2016	19:10	5
805	11/10/2016	19:11	6
806	11/10/2016	19:12	5
807	11/10/2016	19:13	5
808	11/10/2016	19:14	6
809	11/10/2016	19:15	5
810	11/10/2016	19:16	5
811	11/10/2016	19:17	5
812	11/10/2016	19:18	5
813	11/10/2016	19:19	5
814	11/10/2016	19:20	5
815	11/10/2016	19:21	5
816	11/10/2016	19:22	6
817	11/10/2016	19:23	6
818	11/10/2016	19:24	5
819	11/10/2016	19:25	5
820	11/10/2016	19:26	5
821	11/10/2016	19:27	5
822	11/10/2016	19:28	5
823	11/10/2016	19:29	6
824	11/10/2016	19:30	6
825	11/10/2016	19:31	5
826	11/10/2016	19:32	5
827	11/10/2016	19:33	5
828	11/10/2016	19:34	5
829	11/10/2016	19:35	5
830	11/10/2016	19:36	5
831	11/10/2016	19:37	6
832	11/10/2016	19:38	7
833	11/10/2016	19:39	5
834	11/10/2016	19:40	5
835	11/10/2016	19:41	5
836	11/10/2016	19:42	5
837	11/10/2016	19:43	5
838	11/10/2016	19:44	6
839	11/10/2016	19:45	5
840	11/10/2016	19:46	6
841	11/10/2016	19:47	5
842	11/10/2016	19:48	5
843	11/10/2016	19:49	6
844	11/10/2016	19:50	6
845	11/10/2016	19:51	6
846	11/10/2016	19:52	6
847	11/10/2016	19:53	6
848	11/10/2016	19:54	6
849	11/10/2016	19:55	6
850	11/10/2016	19:56	6
851	11/10/2016	19:57	6
852	11/10/2016	19:58	5
853	11/10/2016	19:59	6
854	11/10/2016	20:00	7
855	11/10/2016	20:01	6
856	11/10/2016	20:02	7
857	11/10/2016	20:03	6
858	11/10/2016	20:04	6
859	11/10/2016	20:05	7
860	11/10/2016	20:06	7
861	11/10/2016	20:07	11
862	11/10/2016	20:08	6
863	11/10/2016	20:09	6
864	11/10/2016	20:10	5
865	11/10/2016	20:11	7
866	11/10/2016	20:12	7
867	11/10/2016	20:13	7
868	11/10/2016	20:14	11
869	11/10/2016	20:15	7
870	11/10/2016	20:16	6
871	11/10/2016	20:17	6
872	11/10/2016	20:18	6
873	11/10/2016	20:19	6
874	11/10/2016	20:20	7
875	11/10/2016	20:21	6
876	11/10/2016	20:22	7
877	11/10/2016	20:23	6
878	11/10/2016	20:24	7
879	11/10/2016	20:25	8
880	11/10/2016	20:26	7
881	11/10/2016	20:27	6
882	11/10/2016	20:28	6
883	11/10/2016	20:29	6
884	11/10/2016	20:30	7
885	11/10/2016	20:31	7
886	11/10/2016	20:32	8
887	11/10/2016	20:33	8
888	11/10/2016	20:34	7
889	11/10/2016	20:35	6
890	11/10/2016	20:36	7
891	11/10/2016	20:37	7
892	11/10/2016	20:38	6
893	11/10/2016	20:39	7
894	11/10/2016	20:40	7
895	11/10/2016	20:41	6
896	11/10/2016	20:42	7
897	11/10/2016	20:43	7
898	11/10/2016	20:44	7
899	11/10/2016	20:45	7
900	11/10/2016	20:46	7

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
901	11/10/2016	20:47	6
902	11/10/2016	20:48	6
903	11/10/2016	20:49	7
904	11/10/2016	20:50	6
905	11/10/2016	20:51	8
906	11/10/2016	20:52	7
907	11/10/2016	20:53	6
908	11/10/2016	20:54	6
909	11/10/2016	20:55	7
910	11/10/2016	20:56	7
911	11/10/2016	20:57	7
912	11/10/2016	20:58	8
913	11/10/2016	20:59	10
914	11/10/2016	21:00	7
915	11/10/2016	21:01	8
916	11/10/2016	21:02	8
917	11/10/2016	21:03	8
918	11/10/2016	21:04	8
919	11/10/2016	21:05	9
920	11/10/2016	21:06	8
921	11/10/2016	21:07	9
922	11/10/2016	21:08	8
923	11/10/2016	21:09	8
924	11/10/2016	21:10	8
925	11/10/2016	21:11	10
926	11/10/2016	21:12	9
927	11/10/2016	21:13	9
928	11/10/2016	21:14	8
929	11/10/2016	21:15	8
930	11/10/2016	21:16	8
931	11/10/2016	21:17	9
932	11/10/2016	21:18	9
933	11/10/2016	21:19	9
934	11/10/2016	21:20	10
935	11/10/2016	21:21	10
936	11/10/2016	21:22	10
937	11/10/2016	21:23	10
938	11/10/2016	21:24	9
939	11/10/2016	21:25	9
940	11/10/2016	21:26	9
941	11/10/2016	21:27	10
942	11/10/2016	21:28	9
943	11/10/2016	21:29	8
944	11/10/2016	21:30	9
945	11/10/2016	21:31	9
946	11/10/2016	21:32	9
947	11/10/2016	21:33	9
948	11/10/2016	21:34	10
949	11/10/2016	21:35	9
950	11/10/2016	21:36	9
951	11/10/2016	21:37	8
952	11/10/2016	21:38	9
953	11/10/2016	21:39	8
954	11/10/2016	21:40	10
955	11/10/2016	21:41	10
956	11/10/2016	21:42	10
957	11/10/2016	21:43	9
958	11/10/2016	21:44	9
959	11/10/2016	21:45	10
960	11/10/2016	21:46	10
961	11/10/2016	21:47	11
962	11/10/2016	21:48	9
963	11/10/2016	21:49	10
964	11/10/2016	21:50	10
965	11/10/2016	21:51	9
966	11/10/2016	21:52	10
967	11/10/2016	21:53	11
968	11/10/2016	21:54	9
969	11/10/2016	21:55	11
970	11/10/2016	21:56	13
971	11/10/2016	21:57	10
972	11/10/2016	21:58	9
973	11/10/2016	21:59	10
974	11/10/2016	22:00	9
975	11/10/2016	22:01	9
976	11/10/2016	22:02	9
977	11/10/2016	22:03	9
978	11/10/2016	22:04	9
979	11/10/2016	22:05	12
980	11/10/2016	22:06	9
981	11/10/2016	22:07	9
982	11/10/2016	22:08	10
983	11/10/2016	22:09	10
984	11/10/2016	22:10	9
985	11/10/2016	22:11	9
986	11/10/2016	22:12	10
987	11/10/2016	22:13	10
988	11/10/2016	22:14	11
989	11/10/2016	22:15	10
990	11/10/2016	22:16	9
991	11/10/2016	22:17	10
992	11/10/2016	22:18	10
993	11/10/2016	22:19	11
994	11/10/2016	22:20	10
995	11/10/2016	22:21	14
996	11/10/2016	22:22	11
997	11/10/2016	22:23	10
998	11/10/2016	22:24	10
999	11/10/2016	22:25	10
1000	11/10/2016	22:26	11

µg/m^3 - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
1001	11/10/2016	22:27	9
1002	11/10/2016	22:28	9
1003	11/10/2016	22:29	11
1004	11/10/2016	22:30	11
1005	11/10/2016	22:31	9
1006	11/10/2016	22:32	9
1007	11/10/2016	22:33	10
1008	11/10/2016	22:34	9
1009	11/10/2016	22:35	9
1010	11/10/2016	22:36	9
1011	11/10/2016	22:37	12
1012	11/10/2016	22:38	11
1013	11/10/2016	22:39	9
1014	11/10/2016	22:40	9
1015	11/10/2016	22:41	9
1016	11/10/2016	22:42	9
1017	11/10/2016	22:43	8
1018	11/10/2016	22:44	9
1019	11/10/2016	22:45	9
1020	11/10/2016	22:46	8
1021	11/10/2016	22:47	9
1022	11/10/2016	22:48	9
1023	11/10/2016	22:49	8
1024	11/10/2016	22:50	21
1025	11/10/2016	22:51	9
1026	11/10/2016	22:52	9
1027	11/10/2016	22:53	10
1028	11/10/2016	22:54	10
1029	11/10/2016	22:55	9
1030	11/10/2016	22:56	9
1031	11/10/2016	22:57	10
1032	11/10/2016	22:58	9
1033	11/10/2016	22:59	9
1034	11/10/2016	23:00	9
1035	11/10/2016	23:01	9
1036	11/10/2016	23:02	9
1037	11/10/2016	23:03	9
1038	11/10/2016	23:04	9
1039	11/10/2016	23:05	10
1040	11/10/2016	23:06	9
1041	11/10/2016	23:07	9
1042	11/10/2016	23:08	9
1043	11/10/2016	23:09	10
1044	11/10/2016	23:10	9
1045	11/10/2016	23:11	9
1046	11/10/2016	23:12	9
1047	11/10/2016	23:13	9
1048	11/10/2016	23:14	10
1049	11/10/2016	23:15	9
1050	11/10/2016	23:16	9

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
1051	11/10/2016	23:17	8
1052	11/10/2016	23:18	9
1053	11/10/2016	23:19	10
1054	11/10/2016	23:20	9
1055	11/10/2016	23:21	9
1056	11/10/2016	23:22	9
1057	11/10/2016	23:23	9
1058	11/10/2016	23:24	8
1059	11/10/2016	23:25	9
1060	11/10/2016	23:26	10
1061	11/10/2016	23:27	10
1062	11/10/2016	23:28	8
1063	11/10/2016	23:29	8
1064	11/10/2016	23:30	9
1065	11/10/2016	23:31	8
1066	11/10/2016	23:32	9
1067	11/10/2016	23:33	8
1068	11/10/2016	23:34	8
1069	11/10/2016	23:35	9
1070	11/10/2016	23:36	7
1071	11/10/2016	23:37	8
1072	11/10/2016	23:38	8
1073	11/10/2016	23:39	8
1074	11/10/2016	23:40	7
1075	11/10/2016	23:41	7
1076	11/10/2016	23:42	8
1077	11/10/2016	23:43	7
1078	11/10/2016	23:44	7
1079	11/10/2016	23:45	8
1080	11/10/2016	23:46	7
1081	11/10/2016	23:47	7
1082	11/10/2016	23:48	7
1083	11/10/2016	23:49	7
1084	11/10/2016	23:50	7
1085	11/10/2016	23:51	8
1086	11/10/2016	23:52	7
1087	11/10/2016	23:53	6
1088	11/10/2016	23:54	6
1089	11/10/2016	23:55	6
1090	11/10/2016	23:56	7
1091	11/10/2016	23:57	6
1092	11/10/2016	23:58	7
1093	11/10/2016	23:59	7
1094	11/11/2016	0:00	7
1095	11/11/2016	0:01	6
1096	11/11/2016	0:02	7
1097	11/11/2016	0:03	6
1098	11/11/2016	0:04	7
1099	11/11/2016	0:05	7
1100	11/11/2016	0:06	6

µg/m^3 - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1101	11/11/2016	0:07	7
1102	11/11/2016	0:08	6
1103	11/11/2016	0:09	6
1104	11/11/2016	0:10	6
1105	11/11/2016	0:11	6
1106	11/11/2016	0:12	7
1107	11/11/2016	0:13	6
1108	11/11/2016	0:14	7
1109	11/11/2016	0:15	6
1110	11/11/2016	0:16	6
1111	11/11/2016	0:17	6
1112	11/11/2016	0:18	7
1113	11/11/2016	0:19	6
1114	11/11/2016	0:20	7
1115	11/11/2016	0:21	7
1116	11/11/2016	0:22	6
1117	11/11/2016	0:23	6
1118	11/11/2016	0:24	6
1119	11/11/2016	0:25	7
1120	11/11/2016	0:26	6
1121	11/11/2016	0:27	7
1122	11/11/2016	0:28	7
1123	11/11/2016	0:29	7
1124	11/11/2016	0:30	7
1125	11/11/2016	0:31	7
1126	11/11/2016	0:32	7
1127	11/11/2016	0:33	7
1128	11/11/2016	0:34	7
1129	11/11/2016	0:35	7
1130	11/11/2016	0:36	7
1131	11/11/2016	0:37	7
1132	11/11/2016	0:38	7
1133	11/11/2016	0:39	7
1134	11/11/2016	0:40	7
1135	11/11/2016	0:41	7
1136	11/11/2016	0:42	7
1137	11/11/2016	0:43	6
1138	11/11/2016	0:44	7
1139	11/11/2016	0:45	7
1140	11/11/2016	0:46	6
1141	11/11/2016	0:47	7
1142	11/11/2016	0:48	7
1143	11/11/2016	0:49	7
1144	11/11/2016	0:50	13
1145	11/11/2016	0:51	7
1146	11/11/2016	0:52	7
1147	11/11/2016	0:53	7
1148	11/11/2016	0:54	8
1149	11/11/2016	0:55	7
1150	11/11/2016	0:56	7

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1151	11/11/2016	0:57	7
1152	11/11/2016	0:58	8
1153	11/11/2016	0:59	7
1154	11/11/2016	1:00	7
1155	11/11/2016	1:01	7
1156	11/11/2016	1:02	7
1157	11/11/2016	1:03	8
1158	11/11/2016	1:04	7
1159	11/11/2016	1:05	8
1160	11/11/2016	1:06	8
1161	11/11/2016	1:07	8
1162	11/11/2016	1:08	7
1163	11/11/2016	1:09	7
1164	11/11/2016	1:10	8
1165	11/11/2016	1:11	7
1166	11/11/2016	1:12	7
1167	11/11/2016	1:13	8
1168	11/11/2016	1:14	7
1169	11/11/2016	1:15	7
1170	11/11/2016	1:16	9
1171	11/11/2016	1:17	9
1172	11/11/2016	1:18	8
1173	11/11/2016	1:19	8
1174	11/11/2016	1:20	8
1175	11/11/2016	1:21	7
1176	11/11/2016	1:22	8
1177	11/11/2016	1:23	7
1178	11/11/2016	1:24	8
1179	11/11/2016	1:25	8
1180	11/11/2016	1:26	7
1181	11/11/2016	1:27	7
1182	11/11/2016	1:28	8
1183	11/11/2016	1:29	8
1184	11/11/2016	1:30	8
1185	11/11/2016	1:31	10
1186	11/11/2016	1:32	10
1187	11/11/2016	1:33	8
1188	11/11/2016	1:34	9
1189	11/11/2016	1:35	8
1190	11/11/2016	1:36	8
1191	11/11/2016	1:37	8
1192	11/11/2016	1:38	8
1193	11/11/2016	1:39	11
1194	11/11/2016	1:40	11
1195	11/11/2016	1:41	9
1196	11/11/2016	1:42	9
1197	11/11/2016	1:43	8
1198	11/11/2016	1:44	8
1199	11/11/2016	1:45	8
1200	11/11/2016	1:46	10

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1201	11/11/2016	1:47	10
1202	11/11/2016	1:48	9
1203	11/11/2016	1:49	11
1204	11/11/2016	1:50	11
1205	11/11/2016	1:51	11
1206	11/11/2016	1:52	11
1207	11/11/2016	1:53	15
1208	11/11/2016	1:54	19
1209	11/11/2016	1:55	12
1210	11/11/2016	1:56	15
1211	11/11/2016	1:57	22
1212	11/11/2016	1:58	30
1213	11/11/2016	1:59	29
1214	11/11/2016	2:00	48
1215	11/11/2016	2:01	74
1216	11/11/2016	2:02	105
1217	11/11/2016	2:03	125
1218	11/11/2016	2:04	139
1219	11/11/2016	2:05	147
1220	11/11/2016	2:06	143
1221	11/11/2016	2:07	134
1222	11/11/2016	2:08	140
1223	11/11/2016	2:09	153
1224	11/11/2016	2:10	157
1225	11/11/2016	2:11	149
1226	11/11/2016	2:12	162
1227	11/11/2016	2:13	145
1228	11/11/2016	2:14	133
1229	11/11/2016	2:15	148
1230	11/11/2016	2:16	175
1231	11/11/2016	2:17	204
1232	11/11/2016	2:18	184
1233	11/11/2016	2:19	140
1234	11/11/2016	2:20	94
1235	11/11/2016	2:21	43
1236	11/11/2016	2:22	29
1237	11/11/2016	2:23	22
1238	11/11/2016	2:24	29
1239	11/11/2016	2:25	23
1240	11/11/2016	2:26	32
1241	11/11/2016	2:27	37
1242	11/11/2016	2:28	20
1243	11/11/2016	2:29	23
1244	11/11/2016	2:30	53
1245	11/11/2016	2:31	54
1246	11/11/2016	2:32	33
1247	11/11/2016	2:33	47
1248	11/11/2016	2:34	55
1249	11/11/2016	2:35	57
1250	11/11/2016	2:36	32
1251	11/11/2016	2:37	19
1252	11/11/2016	2:38	29
1253	11/11/2016	2:39	47
1254	11/11/2016	2:40	42
1255	11/11/2016	2:41	23
1256	11/11/2016	2:42	18
1257	11/11/2016	2:43	18
1258	11/11/2016	2:44	17
1259	11/11/2016	2:45	14
1260	11/11/2016	2:46	13
1261	11/11/2016	2:47	11
1262	11/11/2016	2:48	11
1263	11/11/2016	2:49	10
1264	11/11/2016	2:50	10
1265	11/11/2016	2:51	10
1266	11/11/2016	2:52	10
1267	11/11/2016	2:53	11
1268	11/11/2016	2:54	11
1269	11/11/2016	2:55	12
1270	11/11/2016	2:56	10
1271	11/11/2016	2:57	10
1272	11/11/2016	2:58	10
1273	11/11/2016	2:59	10
1274	11/11/2016	3:00	10
1275	11/11/2016	3:01	11
1276	11/11/2016	3:02	10
1277	11/11/2016	3:03	11
1278	11/11/2016	3:04	10
1279	11/11/2016	3:05	11
1280	11/11/2016	3:06	12
1281	11/11/2016	3:07	10
1282	11/11/2016	3:08	10
1283	11/11/2016	3:09	11
1284	11/11/2016	3:10	11
1285	11/11/2016	3:11	11
1286	11/11/2016	3:12	10
1287	11/11/2016	3:13	11
1288	11/11/2016	3:14	11
1289	11/11/2016	3:15	20
1290	11/11/2016	3:16	12
1291	11/11/2016	3:17	11
1292	11/11/2016	3:18	11
1293	11/11/2016	3:19	11
1294	11/11/2016	3:20	11
1295	11/11/2016	3:21	11
1296	11/11/2016	3:22	11
1297	11/11/2016	3:23	11
1298	11/11/2016	3:24	11
1299	11/11/2016	3:25	11
1300	11/11/2016	3:26	11

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1301	11/11/2016	3:27	11
1302	11/11/2016	3:28	12
1303	11/11/2016	3:29	12
1304	11/11/2016	3:30	12
1305	11/11/2016	3:31	12
1306	11/11/2016	3:32	12
1307	11/11/2016	3:33	13
1308	11/11/2016	3:34	12
1309	11/11/2016	3:35	11
1310	11/11/2016	3:36	11
1311	11/11/2016	3:37	12
1312	11/11/2016	3:38	12
1313	11/11/2016	3:39	11
1314	11/11/2016	3:40	15
1315	11/11/2016	3:41	11
1316	11/11/2016	3:42	11
1317	11/11/2016	3:43	11
1318	11/11/2016	3:44	11
1319	11/11/2016	3:45	12
1320	11/11/2016	3:46	11
1321	11/11/2016	3:47	11
1322	11/11/2016	3:48	14
1323	11/11/2016	3:49	12
1324	11/11/2016	3:50	11
1325	11/11/2016	3:51	12
1326	11/11/2016	3:52	11
1327	11/11/2016	3:53	11
1328	11/11/2016	3:54	11
1329	11/11/2016	3:55	13
1330	11/11/2016	3:56	11
1331	11/11/2016	3:57	11
1332	11/11/2016	3:58	13
1333	11/11/2016	3:59	11
1334	11/11/2016	4:00	11
1335	11/11/2016	4:01	11
1336	11/11/2016	4:02	11
1337	11/11/2016	4:03	11
1338	11/11/2016	4:04	11
1339	11/11/2016	4:05	11
1340	11/11/2016	4:06	11
1341	11/11/2016	4:07	11
1342	11/11/2016	4:08	12
1343	11/11/2016	4:09	12
1344	11/11/2016	4:10	11
1345	11/11/2016	4:11	11
1346	11/11/2016	4:12	11
1347	11/11/2016	4:13	11
1348	11/11/2016	4:14	11
1349	11/11/2016	4:15	11
1350	11/11/2016	4:16	13
1351	11/11/2016	4:17	13
1352	11/11/2016	4:18	11
1353	11/11/2016	4:19	11
1354	11/11/2016	4:20	11
1355	11/11/2016	4:21	12
1356	11/11/2016	4:22	11
1357	11/11/2016	4:23	11
1358	11/11/2016	4:24	12
1359	11/11/2016	4:25	12
1360	11/11/2016	4:26	11
1361	11/11/2016	4:27	11
1362	11/11/2016	4:28	11
1363	11/11/2016	4:29	11
1364	11/11/2016	4:30	11
1365	11/11/2016	4:31	19
1366	11/11/2016	4:32	10
1367	11/11/2016	4:33	11
1368	11/11/2016	4:34	10
1369	11/11/2016	4:35	11
1370	11/11/2016	4:36	11
1371	11/11/2016	4:37	11
1372	11/11/2016	4:38	10
1373	11/11/2016	4:39	11
1374	11/11/2016	4:40	10
1375	11/11/2016	4:41	10
1376	11/11/2016	4:42	10
1377	11/11/2016	4:43	10
1378	11/11/2016	4:44	10
1379	11/11/2016	4:45	11
1380	11/11/2016	4:46	9
1381	11/11/2016	4:47	9
1382	11/11/2016	4:48	8
1383	11/11/2016	4:49	9
1384	11/11/2016	4:50	9
1385	11/11/2016	4:51	9
1386	11/11/2016	4:52	15
1387	11/11/2016	4:53	10
1388	11/11/2016	4:54	9
1389	11/11/2016	4:55	12
1390	11/11/2016	4:56	11
1391	11/11/2016	4:57	10
1392	11/11/2016	4:58	10
1393	11/11/2016	4:59	9
1394	11/11/2016	5:00	9
1395	11/11/2016	5:01	9
1396	11/11/2016	5:02	8
1397	11/11/2016	5:03	7
1398	11/11/2016	5:04	8
1399	11/11/2016	5:05	8
1400	11/11/2016	5:06	9

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
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November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1401	11/11/2016	5:07	8
1402	11/11/2016	5:08	8
1403	11/11/2016	5:09	8
1404	11/11/2016	5:10	9
1405	11/11/2016	5:11	5
1406	11/11/2016	5:12	5
1407	11/11/2016	5:13	6
1408	11/11/2016	5:14	5
1409	11/11/2016	5:15	6
1410	11/11/2016	5:16	6
1411	11/11/2016	5:17	5
1412	11/11/2016	5:18	5
1413	11/11/2016	5:19	5
1414	11/11/2016	5:20	5
1415	11/11/2016	5:21	5
1416	11/11/2016	5:22	4
1417	11/11/2016	5:23	4
1418	11/11/2016	5:24	4
1419	11/11/2016	5:25	3
1420	11/11/2016	5:26	3
1421	11/11/2016	5:27	3
1422	11/11/2016	5:28	2
1423	11/11/2016	5:29	3
1424	11/11/2016	5:30	2
1425	11/11/2016	5:31	10
1426	11/11/2016	5:32	2
1427	11/11/2016	5:33	5
1428	11/11/2016	5:34	2
1429	11/11/2016	5:35	2
1430	11/11/2016	5:36	4
1431	11/11/2016	5:37	2
1432	11/11/2016	5:38	2
1433	11/11/2016	5:39	2
1434	11/11/2016	5:40	4
1435	11/11/2016	5:41	2
1436	11/11/2016	5:42	2
1437	11/11/2016	5:43	3
1438	11/11/2016	5:44	1
1439	11/11/2016	5:45	5
1440	11/11/2016	5:46	6
1441	11/11/2016	5:47	2
1442	11/11/2016	5:48	2
1443	11/11/2016	5:49	2
1444	11/11/2016	5:50	2
1445	11/11/2016	5:51	2
1446	11/11/2016	5:52	2
1447	11/11/2016	5:53	2
1448	11/11/2016	5:54	2
1449	11/11/2016	5:55	2
1450	11/11/2016	5:56	2

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1451	11/11/2016	5:57	1
1452	11/11/2016	5:58	2
1453	11/11/2016	5:59	4
1454	11/11/2016	6:00	1
1455	11/11/2016	6:01	2
1456	11/11/2016	6:02	2
1457	11/11/2016	6:03	5
1458	11/11/2016	6:04	4
1459	11/11/2016	6:05	1
1460	11/11/2016	6:06	5
1461	11/11/2016	6:07	4
1462	11/11/2016	6:08	1
1463	11/11/2016	6:09	3
1464	11/11/2016	6:10	2
1465	11/11/2016	6:11	2
1466	11/11/2016	6:12	2
1467	11/11/2016	6:13	2
1468	11/11/2016	6:14	2
1469	11/11/2016	6:15	1
1470	11/11/2016	6:16	2
1471	11/11/2016	6:17	4
1472	11/11/2016	6:18	3
1473	11/11/2016	6:19	1
1474	11/11/2016	6:20	2
1475	11/11/2016	6:21	3
1476	11/11/2016	6:22	2
1477	11/11/2016	6:23	2
1478	11/11/2016	6:24	1
1479	11/11/2016	6:25	2
1480	11/11/2016	6:26	2
1481	11/11/2016	6:27	1
1482	11/11/2016	6:28	2
1483	11/11/2016	6:29	2
1484	11/11/2016	6:30	2
1485	11/11/2016	6:31	3
1486	11/11/2016	6:32	4
1487	11/11/2016	6:33	3
1488	11/11/2016	6:34	4
1489	11/11/2016	6:35	2
1490	11/11/2016	6:36	2
1491	11/11/2016	6:37	6
1492	11/11/2016	6:38	6
1493	11/11/2016	6:39	4
1494	11/11/2016	6:40	3
1495	11/11/2016	6:41	5
1496	11/11/2016	6:42	2
1497	11/11/2016	6:43	1
1498	11/11/2016	6:44	2
1499	11/11/2016	6:45	4
1500	11/11/2016	6:46	2

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1501	11/11/2016	6:47	2
1502	11/11/2016	6:48	5
1503	11/11/2016	6:49	4
1504	11/11/2016	6:50	4
1505	11/11/2016	6:51	4
1506	11/11/2016	6:52	1
1507	11/11/2016	6:53	4
1508	11/11/2016	6:54	4
1509	11/11/2016	6:55	3
1510	11/11/2016	6:56	7
1511	11/11/2016	6:57	6
1512	11/11/2016	6:58	14
1513	11/11/2016	6:59	6
1514	11/11/2016	7:00	11
1515	11/11/2016	7:01	3
1516	11/11/2016	7:02	3
1517	11/11/2016	7:03	5
1518	11/11/2016	7:04	6
1519	11/11/2016	7:05	8
1520	11/11/2016	7:06	9
1521	11/11/2016	7:07	4
1522	11/11/2016	7:08	3
1523	11/11/2016	7:09	3
1524	11/11/2016	7:10	2
1525	11/11/2016	7:11	2
1526	11/11/2016	7:12	5
1527	11/11/2016	7:13	4
1528	11/11/2016	7:14	3
1529	11/11/2016	7:15	2
1530	11/11/2016	7:16	1
1531	11/11/2016	7:17	1
1532	11/11/2016	7:18	2
1533	11/11/2016	7:19	2
1534	11/11/2016	7:20	2
1535	11/11/2016	7:21	1
1536	11/11/2016	7:22	4
1537	11/11/2016	7:23	3
1538	11/11/2016	7:24	4
1539	11/11/2016	7:25	4
1540	11/11/2016	7:26	4
1541	11/11/2016	7:27	3
1542	11/11/2016	7:28	3
1543	11/11/2016	7:29	2
1544	11/11/2016	7:30	2
1545	11/11/2016	7:31	6
1546	11/11/2016	7:32	6
1547	11/11/2016	7:33	4
1548	11/11/2016	7:34	3
1549	11/11/2016	7:35	3
1550	11/11/2016	7:36	5

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1551	11/11/2016	7:37	3
1552	11/11/2016	7:38	4
1553	11/11/2016	7:39	3
1554	11/11/2016	7:40	24
1555	11/11/2016	7:41	12
1556	11/11/2016	7:42	4
1557	11/11/2016	7:43	4
1558	11/11/2016	7:44	3
1559	11/11/2016	7:45	4
1560	11/11/2016	7:46	3
1561	11/11/2016	7:47	6
1562	11/11/2016	7:48	3
1563	11/11/2016	7:49	5
1564	11/11/2016	7:50	3
1565	11/11/2016	7:51	3
1566	11/11/2016	7:52	4
1567	11/11/2016	7:53	4
1568	11/11/2016	7:54	4
1569	11/11/2016	7:55	6
1570	11/11/2016	7:56	6
1571	11/11/2016	7:57	4
1572	11/11/2016	7:58	6
1573	11/11/2016	7:59	5
1574	11/11/2016	8:00	3
1575	11/11/2016	8:01	2
1576	11/11/2016	8:02	2
1577	11/11/2016	8:03	3
1578	11/11/2016	8:04	2
1579	11/11/2016	8:05	3
1580	11/11/2016	8:06	5
1581	11/11/2016	8:07	4
1582	11/11/2016	8:08	2
1583	11/11/2016	8:09	3
1584	11/11/2016	8:10	3
1585	11/11/2016	8:11	2
1586	11/11/2016	8:12	2
1587	11/11/2016	8:13	4
1588	11/11/2016	8:14	8
1589	11/11/2016	8:15	12
1590	11/11/2016	8:16	5
1591	11/11/2016	8:17	3
1592	11/11/2016	8:18	2
1593	11/11/2016	8:19	2
1594	11/11/2016	8:20	14
1595	11/11/2016	8:21	4
1596	11/11/2016	8:22	4
1597	11/11/2016	8:23	4
1598	11/11/2016	8:24	4
1599	11/11/2016	8:25	4
1600	11/11/2016	8:26	2

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1601	11/11/2016	8:27	2
1602	11/11/2016	8:28	3
1603	11/11/2016	8:29	6
1604	11/11/2016	8:30	7
1605	11/11/2016	8:31	5
1606	11/11/2016	8:32	3
1607	11/11/2016	8:33	4
1608	11/11/2016	8:34	3
1609	11/11/2016	8:35	4
1610	11/11/2016	8:36	2
1611	11/11/2016	8:37	2
1612	11/11/2016	8:38	1
1613	11/11/2016	8:39	2
1614	11/11/2016	8:40	3
1615	11/11/2016	8:41	2
1616	11/11/2016	8:42	2
1617	11/11/2016	8:43	4
1618	11/11/2016	8:44	4
1619	11/11/2016	8:45	3
1620	11/11/2016	8:46	4
1621	11/11/2016	8:47	4
1622	11/11/2016	8:48	2
1623	11/11/2016	8:49	3
1624	11/11/2016	8:50	4
1625	11/11/2016	8:51	3
1626	11/11/2016	8:52	4
1627	11/11/2016	8:53	3
1628	11/11/2016	8:54	3
1629	11/11/2016	8:55	3
1630	11/11/2016	8:56	6
1631	11/11/2016	8:57	6
1632	11/11/2016	8:58	6
1633	11/11/2016	8:59	4
1634	11/11/2016	9:00	3
1635	11/11/2016	9:01	5
1636	11/11/2016	9:02	2
1637	11/11/2016	9:03	4
1638	11/11/2016	9:04	2
1639	11/11/2016	9:05	2
1640	11/11/2016	9:06	2
1641	11/11/2016	9:07	2
1642	11/11/2016	9:08	2
1643	11/11/2016	9:09	1
1644	11/11/2016	9:10	2
1645	11/11/2016	9:11	6
1646	11/11/2016	9:12	3
1647	11/11/2016	9:13	3
1648	11/11/2016	9:14	5
1649	11/11/2016	9:15	6
1650	11/11/2016	9:16	3

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1651	11/11/2016	9:17	2
1652	11/11/2016	9:18	1
1653	11/11/2016	9:19	1
1654	11/11/2016	9:20	2
1655	11/11/2016	9:21	4
1656	11/11/2016	9:22	6
1657	11/11/2016	9:23	5
1658	11/11/2016	9:24	5
1659	11/11/2016	9:25	3
1660	11/11/2016	9:26	9
1661	11/11/2016	9:27	4
1662	11/11/2016	9:28	3
1663	11/11/2016	9:29	3
1664	11/11/2016	9:30	6
1665	11/11/2016	9:31	3
1666	11/11/2016	9:32	3
1667	11/11/2016	9:33	6
1668	11/11/2016	9:34	7
1669	11/11/2016	9:35	1
1670	11/11/2016	9:36	1
1671	11/11/2016	9:37	2
1672	11/11/2016	9:38	1
1673	11/11/2016	9:39	2
1674	11/11/2016	9:40	1
1675	11/11/2016	9:41	0
1676	11/11/2016	9:42	4
1677	11/11/2016	9:43	3
1678	11/11/2016	9:44	1
1679	11/11/2016	9:45	3
1680	11/11/2016	9:46	1
1681	11/11/2016	9:47	0
1682	11/11/2016	9:48	1
1683	11/11/2016	9:49	1
1684	11/11/2016	9:50	1
1685	11/11/2016	9:51	0
1686	11/11/2016	9:52	2
1687	11/11/2016	9:53	1
1688	11/11/2016	9:54	1
1689	11/11/2016	9:55	1
1690	11/11/2016	9:56	2
1691	11/11/2016	9:57	1
1692	11/11/2016	9:58	1
1693	11/11/2016	9:59	1
1694	11/11/2016	10:00	0
1695	11/11/2016	10:01	1
1696	11/11/2016	10:02	1
1697	11/11/2016	10:03	3
1698	11/11/2016	10:04	1
1699	11/11/2016	10:05	1
1700	11/11/2016	10:06	1

$\mu g/m^3$ - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
1701	11/11/2016	10:07	0
1702	11/11/2016	10:08	1
1703	11/11/2016	10:09	2
1704	11/11/2016	10:10	4
1705	11/11/2016	10:11	1
1706	11/11/2016	10:12	1
1707	11/11/2016	10:13	7
1708	11/11/2016	10:14	5
1709	11/11/2016	10:15	3
1710	11/11/2016	10:16	3
1711	11/11/2016	10:17	1
1712	11/11/2016	10:18	3
1713	11/11/2016	10:19	2
1714	11/11/2016	10:20	3
1715	11/11/2016	10:21	1
1716	11/11/2016	10:22	1
1717	11/11/2016	10:23	2
1718	11/11/2016	10:24	1
1719	11/11/2016	10:25	2
1720	11/11/2016	10:26	1
1721	11/11/2016	10:27	1
1722	11/11/2016	10:28	1
1723	11/11/2016	10:29	1
1724	11/11/2016	10:30	2
1725	11/11/2016	10:31	1
1726	11/11/2016	10:32	4
1727	11/11/2016	10:33	2
1728	11/11/2016	10:34	4
1729	11/11/2016	10:35	4
1730	11/11/2016	10:36	1
1731	11/11/2016	10:37	3
1732	11/11/2016	10:38	3
1733	11/11/2016	10:39	2
1734	11/11/2016	10:40	1
1735	11/11/2016	10:41	1
1736	11/11/2016	10:42	6
1737	11/11/2016	10:43	1
1738	11/11/2016	10:44	6
1739	11/11/2016	10:45	1
1740	11/11/2016	10:46	1
1741	11/11/2016	10:47	2
1742	11/11/2016	10:48	2
1743	11/11/2016	10:49	3
1744	11/11/2016	10:50	2
1745	11/11/2016	10:51	1
1746	11/11/2016	10:52	1
1747	11/11/2016	10:53	2
1748	11/11/2016	10:54	1
1749	11/11/2016	10:55	4
1750	11/11/2016	10:56	12
1751	11/11/2016	10:57	4
1752	11/11/2016	10:58	2
1753	11/11/2016	10:59	2
1754	11/11/2016	11:00	1
1755	11/11/2016	11:01	1
1756	11/11/2016	11:02	6
1757	11/11/2016	11:03	2
1758	11/11/2016	11:04	1
1759	11/11/2016	11:05	1
1760	11/11/2016	11:06	0
1761	11/11/2016	11:07	2
1762	11/11/2016	11:08	2
1763	11/11/2016	11:09	1
1764	11/11/2016	11:10	1
1765	11/11/2016	11:11	2
1766	11/11/2016	11:12	2
1767	11/11/2016	11:13	4
1768	11/11/2016	11:14	3
1769	11/11/2016	11:15	2
1770	11/11/2016	11:16	2
1771	11/11/2016	11:17	1
1772	11/11/2016	11:18	2
1773	11/11/2016	11:19	2
1774	11/11/2016	11:20	2
1775	11/11/2016	11:21	2
1776	11/11/2016	11:22	3
1777	11/11/2016	11:23	1
1778	11/11/2016	11:24	1
1779	11/11/2016	11:25	2
1780	11/11/2016	11:26	2
1781	11/11/2016	11:27	3
1782	11/11/2016	11:28	4
1783	11/11/2016	11:29	1
1784	11/11/2016	11:30	3
1785	11/11/2016	11:31	1
1786	11/11/2016	11:32	1
1787	11/11/2016	11:33	3
1788	11/11/2016	11:34	1
1789	11/11/2016	11:35	2
1790	11/11/2016	11:36	2
1791	11/11/2016	11:37	1
1792	11/11/2016	11:38	2
1793	11/11/2016	11:39	2
1794	11/11/2016	11:40	1
1795	11/11/2016	11:41	2
1796	11/11/2016	11:42	1
1797	11/11/2016	11:43	1
1798	11/11/2016	11:44	3
1799	11/11/2016	11:45	1
1800	11/11/2016	11:46	1

µg/m^3 - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
1801	11/11/2016	11:47	1
1802	11/11/2016	11:48	1
1803	11/11/2016	11:49	1
1804	11/11/2016	11:50	2
1805	11/11/2016	11:51	2
1806	11/11/2016	11:52	3
1807	11/11/2016	11:53	4
1808	11/11/2016	11:54	1
1809	11/11/2016	11:55	0
1810	11/11/2016	11:56	0
1811	11/11/2016	11:57	2
1812	11/11/2016	11:58	3
1813	11/11/2016	11:59	3
1814	11/11/2016	12:00	1
1815	11/11/2016	12:01	4
1816	11/11/2016	12:02	4
1817	11/11/2016	12:03	5
1818	11/11/2016	12:04	2
1819	11/11/2016	12:05	4
1820	11/11/2016	12:06	1
1821	11/11/2016	12:07	3
1822	11/11/2016	12:08	2
1823	11/11/2016	12:09	3
1824	11/11/2016	12:10	2
1825	11/11/2016	12:11	3
1826	11/11/2016	12:12	7
1827	11/11/2016	12:13	3
1828	11/11/2016	12:14	2
1829	11/11/2016	12:15	4
1830	11/11/2016	12:16	4
1831	11/11/2016	12:17	4
1832	11/11/2016	12:18	2
1833	11/11/2016	12:19	1
1834	11/11/2016	12:20	1
1835	11/11/2016	12:21	1
1836	11/11/2016	12:22	4
1837	11/11/2016	12:23	3
1838	11/11/2016	12:24	1
1839	11/11/2016	12:25	2
1840	11/11/2016	12:26	5
1841	11/11/2016	12:27	2
1842	11/11/2016	12:28	2
1843	11/11/2016	12:29	2
1844	11/11/2016	12:30	4
1845	11/11/2016	12:31	2
1846	11/11/2016	12:32	1
1847	11/11/2016	12:33	2
1848	11/11/2016	12:34	2
1849	11/11/2016	12:35	3
1850	11/11/2016	12:36	2

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
1851	11/11/2016	12:37	3
1852	11/11/2016	12:38	3
1853	11/11/2016	12:39	1
1854	11/11/2016	12:40	1
1855	11/11/2016	12:41	2
1856	11/11/2016	12:42	3
1857	11/11/2016	12:43	2
1858	11/11/2016	12:44	1
1859	11/11/2016	12:45	1
1860	11/11/2016	12:46	2
1861	11/11/2016	12:47	1
1862	11/11/2016	12:48	2
1863	11/11/2016	12:49	1
1864	11/11/2016	12:50	2
1865	11/11/2016	12:51	3
1866	11/11/2016	12:52	4
1867	11/11/2016	12:53	2
1868	11/11/2016	12:54	2
1869	11/11/2016	12:55	2
1870	11/11/2016	12:56	1
1871	11/11/2016	12:57	0
1872	11/11/2016	12:58	1
1873	11/11/2016	12:59	1
1874	11/11/2016	13:00	3
1875	11/11/2016	13:01	1
1876	11/11/2016	13:02	2
1877	11/11/2016	13:03	1
1878	11/11/2016	13:04	3
1879	11/11/2016	13:05	1
1880	11/11/2016	13:06	3
1881	11/11/2016	13:07	4
1882	11/11/2016	13:08	12
1883	11/11/2016	13:09	2
1884	11/11/2016	13:10	4
1885	11/11/2016	13:11	2
1886	11/11/2016	13:12	1
1887	11/11/2016	13:13	0
1888	11/11/2016	13:14	1
1889	11/11/2016	13:15	2
1890	11/11/2016	13:16	1
1891	11/11/2016	13:17	0
1892	11/11/2016	13:18	1
1893	11/11/2016	13:19	4
1894	11/11/2016	13:20	1
1895	11/11/2016	13:21	1
1896	11/11/2016	13:22	2
1897	11/11/2016	13:23	5
1898	11/11/2016	13:24	4
1899	11/11/2016	13:25	4
1900	11/11/2016	13:26	1

µg/m^3 - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
1901	11/11/2016	13:27	1
1902	11/11/2016	13:28	5
1903	11/11/2016	13:29	3
1904	11/11/2016	13:30	1
1905	11/11/2016	13:31	3
1906	11/11/2016	13:32	2
1907	11/11/2016	13:33	2
1908	11/11/2016	13:34	1
1909	11/11/2016	13:35	1
1910	11/11/2016	13:36	1
1911	11/11/2016	13:37	1
1912	11/11/2016	13:38	3
1913	11/11/2016	13:39	3
1914	11/11/2016	13:40	2
1915	11/11/2016	13:41	2
1916	11/11/2016	13:42	1
1917	11/11/2016	13:43	4
1918	11/11/2016	13:44	3
1919	11/11/2016	13:45	2
1920	11/11/2016	13:46	1
1921	11/11/2016	13:47	3
1922	11/11/2016	13:48	2
1923	11/11/2016	13:49	2
1924	11/11/2016	13:50	2
1925	11/11/2016	13:51	1
1926	11/11/2016	13:52	4
1927	11/11/2016	13:53	2
1928	11/11/2016	13:54	5
1929	11/11/2016	13:55	6
1930	11/11/2016	13:56	3
1931	11/11/2016	13:57	3
1932	11/11/2016	13:58	2
1933	11/11/2016	13:59	3
1934	11/11/2016	14:00	2
1935	11/11/2016	14:01	2
1936	11/11/2016	14:02	7
1937	11/11/2016	14:03	2
1938	11/11/2016	14:04	1
1939	11/11/2016	14:05	1
1940	11/11/2016	14:06	1
1941	11/11/2016	14:07	3
1942	11/11/2016	14:08	2
1943	11/11/2016	14:09	2
1944	11/11/2016	14:10	1
1945	11/11/2016	14:11	3
1946	11/11/2016	14:12	2
1947	11/11/2016	14:13	4
1948	11/11/2016	14:14	3
1949	11/11/2016	14:15	1
1950	11/11/2016	14:16	1
1951	11/11/2016	14:17	0
1952	11/11/2016	14:18	0
1953	11/11/2016	14:19	2
1954	11/11/2016	14:20	1
1955	11/11/2016	14:21	2
1956	11/11/2016	14:22	3
1957	11/11/2016	14:23	2
1958	11/11/2016	14:24	1
1959	11/11/2016	14:25	10
1960	11/11/2016	14:26	6
1961	11/11/2016	14:27	2
1962	11/11/2016	14:28	5
1963	11/11/2016	14:29	3
1964	11/11/2016	14:30	5
1965	11/11/2016	14:31	3
1966	11/11/2016	14:32	5
1967	11/11/2016	14:33	2
1968	11/11/2016	14:34	3
1969	11/11/2016	14:35	1
1970	11/11/2016	14:36	4
1971	11/11/2016	14:37	11
1972	11/11/2016	14:38	2
1973	11/11/2016	14:39	5
1974	11/11/2016	14:40	2
1975	11/11/2016	14:41	2
1976	11/11/2016	14:42	3
1977	11/11/2016	14:43	2
1978	11/11/2016	14:44	2
1979	11/11/2016	14:45	1
1980	11/11/2016	14:46	3
1981	11/11/2016	14:47	1
1982	11/11/2016	14:48	5
1983	11/11/2016	14:49	7
1984	11/11/2016	14:50	5
1985	11/11/2016	14:51	4
1986	11/11/2016	14:52	7
1987	11/11/2016	14:53	1
1988	11/11/2016	14:54	2
1989	11/11/2016	14:55	1
1990	11/11/2016	14:56	3
1991	11/11/2016	14:57	2
1992	11/11/2016	14:58	3
1993	11/11/2016	14:59	4
1994	11/11/2016	15:00	1
1995	11/11/2016	15:01	1
1996	11/11/2016	15:02	2
1997	11/11/2016	15:03	2
1998	11/11/2016	15:04	1
1999	11/11/2016	15:05	3
2000	11/11/2016	15:06	4

µg/m^3 - micrograms per cubic meter

Table 8: Station AS008 Particulates Results
Lackawanna 90 Toll Plaza
Steel Works Industrial Park Fire Site
November 9 through 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
2001	11/11/2016	15:07	2
2002	11/11/2016	15:08	3
2003	11/11/2016	15:09	4
2004	11/11/2016	15:10	3
2005	11/11/2016	15:11	1
2006	11/11/2016	15:12	2
2007	11/11/2016	15:13	2
2008	11/11/2016	15:14	2
2009	11/11/2016	15:15	2
2010	11/11/2016	15:16	2
2011	11/11/2016	15:17	4
2012	11/11/2016	15:18	4
2013	11/11/2016	15:19	4
2014	11/11/2016	15:20	2
2015	11/11/2016	15:21	2
2016	11/11/2016	15:22	2
2017	11/11/2016	15:23	1
2018	11/11/2016	15:24	2
2019	11/11/2016	15:25	3
2020	11/11/2016	15:26	1

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
2021	11/11/2016	15:27	4
2022	11/11/2016	15:28	12
2023	11/11/2016	15:29	7
2024	11/11/2016	15:30	4
2025	11/11/2016	15:31	6
2026	11/11/2016	15:32	3
2027	11/11/2016	15:33	5
2028	11/11/2016	15:34	5
2029	11/11/2016	15:35	3
2030	11/11/2016	15:36	2
2031	11/11/2016	15:37	3
2032	11/11/2016	15:38	3
2033	11/11/2016	15:39	3
2034	11/11/2016	15:40	2
2035	11/11/2016	15:41	5
2036	11/11/2016	15:42	4
2037	11/11/2016	15:43	4
2038	11/11/2016	15:44	9
2039	11/11/2016	15:45	5

µg/m^3 - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1	11/10/2016	9:15	4580
2	11/10/2016	9:16	3760
3	11/10/2016	9:17	3160
4	11/10/2016	9:18	3190
5	11/10/2016	9:19	3400
6	11/10/2016	9:20	3920
7	11/10/2016	9:21	2730
8	11/10/2016	9:22	2140
9	11/10/2016	9:23	2170
10	11/10/2016	9:24	3760
11	11/10/2016	9:25	2690
12	11/10/2016	9:26	2890
13	11/10/2016	9:27	3200
14	11/10/2016	9:28	3350
15	11/10/2016	9:29	4700
16	11/10/2016	9:30	3690
17	11/10/2016	9:31	4270
18	11/10/2016	9:32	4110
19	11/10/2016	9:33	3040
20	11/10/2016	9:34	2850
21	11/10/2016	9:35	2530
22	11/10/2016	9:36	2390
23	11/10/2016	9:37	2010
24	11/10/2016	9:38	2570
25	11/10/2016	9:39	1490
26	11/10/2016	9:40	2920
27	11/10/2016	9:41	3170
28	11/10/2016	9:42	3640
29	11/10/2016	9:43	2660
30	11/10/2016	9:44	2110
31	11/10/2016	9:45	937
32	11/10/2016	9:46	1110
33	11/10/2016	9:47	2060
34	11/10/2016	9:48	2080
35	11/10/2016	9:49	1820
36	11/10/2016	9:50	1260
37	11/10/2016	9:51	642
38	11/10/2016	9:52	819
39	11/10/2016	9:53	972
40	11/10/2016	9:54	700
41	11/10/2016	9:55	1110
42	11/10/2016	9:56	1040
43	11/10/2016	9:57	624
44	11/10/2016	9:58	1020
45	11/10/2016	9:59	1100
46	11/10/2016	10:00	1010
47	11/10/2016	10:01	628
48	11/10/2016	10:02	860
49	11/10/2016	10:03	1010
50	11/10/2016	10:04	1040

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
51	11/10/2016	10:05	1060
52	11/10/2016	10:06	1340
53	11/10/2016	10:07	636
54	11/10/2016	10:08	577
55	11/10/2016	10:09	754
56	11/10/2016	10:10	333
57	11/10/2016	10:11	1440
58	11/10/2016	10:12	916
59	11/10/2016	10:13	957
60	11/10/2016	10:14	906
61	11/10/2016	10:15	1460
62	11/10/2016	10:16	561
63	11/10/2016	10:17	344
64	11/10/2016	10:18	569
65	11/10/2016	10:19	535
66	11/10/2016	10:20	313
67	11/10/2016	10:21	151
68	11/10/2016	10:22	637
69	11/10/2016	10:23	908
70	11/10/2016	10:24	420
71	11/10/2016	10:25	1090
72	11/10/2016	10:26	1280
73	11/10/2016	10:27	910
74	11/10/2016	10:28	192
75	11/10/2016	10:29	169
76	11/10/2016	10:30	210
77	11/10/2016	10:31	470
78	11/10/2016	10:32	1160
79	11/10/2016	10:33	501
80	11/10/2016	10:34	1740
81	11/10/2016	10:35	474
82	11/10/2016	10:36	545
83	11/10/2016	10:37	281
84	11/10/2016	10:38	558
85	11/10/2016	10:39	977
86	11/10/2016	10:40	936
87	11/10/2016	10:41	1590
88	11/10/2016	10:42	2040
89	11/10/2016	10:43	946
90	11/10/2016	10:44	1040
91	11/10/2016	10:45	1760
92	11/10/2016	10:46	1670
93	11/10/2016	10:47	1890
94	11/10/2016	10:48	1920
95	11/10/2016	10:49	1380
96	11/10/2016	10:50	1880
97	11/10/2016	10:51	1990
98	11/10/2016	10:52	1690
99	11/10/2016	10:53	2370
100	11/10/2016	10:54	1380

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
101	11/10/2016	10:55	2110
102	11/10/2016	10:56	2460
103	11/10/2016	10:57	2000
104	11/10/2016	10:58	1070
105	11/10/2016	10:59	1740
106	11/10/2016	11:00	1790
107	11/10/2016	11:01	1270
108	11/10/2016	11:02	1250
109	11/10/2016	11:03	1410
110	11/10/2016	11:04	1150
111	11/10/2016	11:05	1570
112	11/10/2016	11:06	2860
113	11/10/2016	11:07	1750
114	11/10/2016	11:08	1380
115	11/10/2016	11:09	1770
116	11/10/2016	11:10	1250
117	11/10/2016	11:11	1640
118	11/10/2016	11:12	1080
119	11/10/2016	11:13	794
120	11/10/2016	11:14	465
121	11/10/2016	11:15	2280
122	11/10/2016	11:16	1340
123	11/10/2016	11:17	1550
124	11/10/2016	11:18	1320
125	11/10/2016	11:19	743
126	11/10/2016	11:20	932
127	11/10/2016	11:21	1210
128	11/10/2016	11:22	805
129	11/10/2016	11:23	434
130	11/10/2016	11:24	1400
131	11/10/2016	11:25	1120
132	11/10/2016	11:26	385
133	11/10/2016	11:27	145
134	11/10/2016	11:28	172
135	11/10/2016	11:29	181
136	11/10/2016	11:30	396
137	11/10/2016	11:31	1010
138	11/10/2016	11:32	316
139	11/10/2016	11:33	435
140	11/10/2016	11:34	522
141	11/10/2016	11:35	709
142	11/10/2016	11:36	1820
143	11/10/2016	11:37	546
144	11/10/2016	11:38	405
145	11/10/2016	11:39	870
146	11/10/2016	11:40	1170
147	11/10/2016	11:41	760
148	11/10/2016	11:42	811
149	11/10/2016	11:43	620
150	11/10/2016	11:44	384

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
151	11/10/2016	11:45	173
152	11/10/2016	11:46	687
153	11/10/2016	11:47	645
154	11/10/2016	11:48	646
155	11/10/2016	11:49	872
156	11/10/2016	11:50	908
157	11/10/2016	11:51	1090
158	11/10/2016	11:52	1410
159	11/10/2016	11:53	1290
160	11/10/2016	11:54	1350
161	11/10/2016	11:55	1170
162	11/10/2016	11:56	730
163	11/10/2016	11:57	1140
164	11/10/2016	11:58	1070
165	11/10/2016	11:59	1150
166	11/10/2016	12:00	549
167	11/10/2016	12:01	425
168	11/10/2016	12:02	703
169	11/10/2016	12:03	1800
170	11/10/2016	12:04	1340
171	11/10/2016	12:05	1600
172	11/10/2016	12:06	1180
173	11/10/2016	12:07	650
174	11/10/2016	12:08	864
175	11/10/2016	12:09	805
176	11/10/2016	12:10	429
177	11/10/2016	12:11	718
178	11/10/2016	12:12	2020
179	11/10/2016	12:13	1170
180	11/10/2016	12:14	604
181	11/10/2016	12:15	421
182	11/10/2016	12:16	589
183	11/10/2016	12:17	825
184	11/10/2016	12:18	755
185	11/10/2016	12:19	504
186	11/10/2016	12:20	713
187	11/10/2016	12:21	669
188	11/10/2016	12:22	1800
189	11/10/2016	12:23	890
190	11/10/2016	12:24	659
191	11/10/2016	12:25	868
192	11/10/2016	12:26	1930
193	11/10/2016	12:27	1040
194	11/10/2016	12:28	1020
195	11/10/2016	12:29	1270
196	11/10/2016	12:30	1850
197	11/10/2016	12:31	1190
198	11/10/2016	12:32	1440
199	11/10/2016	12:33	1040
200	11/10/2016	12:34	537

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
201	11/10/2016	12:35	861
202	11/10/2016	12:36	1120
203	11/10/2016	12:37	477
204	11/10/2016	12:38	601
205	11/10/2016	12:39	508
206	11/10/2016	12:40	903
207	11/10/2016	12:41	669
208	11/10/2016	12:42	494
209	11/10/2016	12:43	324
210	11/10/2016	12:44	248
211	11/10/2016	12:45	1230
212	11/10/2016	12:46	496
213	11/10/2016	12:47	983
214	11/10/2016	12:48	1010
215	11/10/2016	12:49	997
216	11/10/2016	12:50	849
217	11/10/2016	12:51	549
218	11/10/2016	12:52	442
219	11/10/2016	12:53	580
220	11/10/2016	12:54	1040
221	11/10/2016	12:55	611
222	11/10/2016	12:56	410
223	11/10/2016	12:57	682
224	11/10/2016	12:58	417
225	11/10/2016	12:59	488
226	11/10/2016	13:00	387
227	11/10/2016	13:01	892
228	11/10/2016	13:02	1320
229	11/10/2016	13:03	1740
230	11/10/2016	13:04	1470
231	11/10/2016	13:05	1250
232	11/10/2016	13:06	548
233	11/10/2016	13:07	894
234	11/10/2016	13:08	730
235	11/10/2016	13:09	952
236	11/10/2016	13:10	534
237	11/10/2016	13:11	600
238	11/10/2016	13:12	578
239	11/10/2016	13:13	447
240	11/10/2016	13:14	631
241	11/10/2016	13:15	549
242	11/10/2016	13:16	295
243	11/10/2016	13:17	438
244	11/10/2016	13:18	565
245	11/10/2016	13:19	538
246	11/10/2016	13:20	326
247	11/10/2016	13:21	309
248	11/10/2016	13:22	245
249	11/10/2016	13:23	190
250	11/10/2016	13:24	168

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
251	11/10/2016	13:25	132
252	11/10/2016	13:26	422
253	11/10/2016	13:27	838
254	11/10/2016	13:28	745
255	11/10/2016	13:29	212
256	11/10/2016	13:30	288
257	11/10/2016	13:31	591
258	11/10/2016	13:32	345
259	11/10/2016	13:33	717
260	11/10/2016	13:34	445
261	11/10/2016	13:35	542
262	11/10/2016	13:36	762
263	11/10/2016	13:37	847
264	11/10/2016	13:38	1060
265	11/10/2016	13:39	694
266	11/10/2016	13:40	970
267	11/10/2016	13:41	838
268	11/10/2016	13:42	617
269	11/10/2016	13:43	583
270	11/10/2016	13:44	916
271	11/10/2016	13:45	524
272	11/10/2016	13:46	734
273	11/10/2016	13:47	1460
274	11/10/2016	13:48	567
275	11/10/2016	13:49	724
276	11/10/2016	13:50	459
277	11/10/2016	13:51	596
278	11/10/2016	13:52	548
279	11/10/2016	13:53	370
280	11/10/2016	13:54	700
281	11/10/2016	13:55	781
282	11/10/2016	13:56	1130
283	11/10/2016	13:57	991
284	11/10/2016	13:58	488
285	11/10/2016	13:59	643
286	11/10/2016	14:00	827
287	11/10/2016	14:01	720
288	11/10/2016	14:02	791
289	11/10/2016	14:03	593
290	11/10/2016	14:04	761
291	11/10/2016	14:05	598
292	11/10/2016	14:06	825
293	11/10/2016	14:07	720
294	11/10/2016	14:08	1180
295	11/10/2016	14:09	845
296	11/10/2016	14:10	613
297	11/10/2016	14:11	1240
298	11/10/2016	14:12	809
299	11/10/2016	14:13	741
300	11/10/2016	14:14	1070

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
301	11/10/2016	14:15	1270
302	11/10/2016	14:16	1350
303	11/10/2016	14:17	519
304	11/10/2016	14:18	1080
305	11/10/2016	14:19	1040
306	11/10/2016	14:20	592
307	11/10/2016	14:21	647
308	11/10/2016	14:22	384
309	11/10/2016	14:23	485
310	11/10/2016	14:24	875
311	11/10/2016	14:25	764
312	11/10/2016	14:26	1010
313	11/10/2016	14:27	498
314	11/10/2016	14:28	441
315	11/10/2016	14:29	656
316	11/10/2016	14:30	421
317	11/10/2016	14:31	553
318	11/10/2016	14:32	457
319	11/10/2016	14:33	660
320	11/10/2016	14:34	573
321	11/10/2016	14:35	551
322	11/10/2016	14:36	749
323	11/10/2016	14:37	884
324	11/10/2016	14:38	649
325	11/10/2016	14:39	770
326	11/10/2016	14:40	522
327	11/10/2016	14:41	1220
328	11/10/2016	14:42	666
329	11/10/2016	14:43	945
330	11/10/2016	14:44	861
331	11/10/2016	14:45	585
332	11/10/2016	14:46	602
333	11/10/2016	14:47	784
334	11/10/2016	14:48	671
335	11/10/2016	14:49	865
336	11/10/2016	14:50	341
337	11/10/2016	14:51	665
338	11/10/2016	14:52	568
339	11/10/2016	14:53	616
340	11/10/2016	14:54	492
341	11/10/2016	14:55	334
342	11/10/2016	14:56	573
343	11/10/2016	14:57	365
344	11/10/2016	14:58	607
345	11/10/2016	14:59	653
346	11/10/2016	15:00	431
347	11/10/2016	15:01	543
348	11/10/2016	15:02	548
349	11/10/2016	15:03	641
350	11/10/2016	15:04	778

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
351	11/10/2016	15:05	545
352	11/10/2016	15:06	432
353	11/10/2016	15:07	404
354	11/10/2016	15:08	874
355	11/10/2016	15:09	789
356	11/10/2016	15:10	364
357	11/10/2016	15:11	502
358	11/10/2016	15:12	909
359	11/10/2016	15:13	896
360	11/10/2016	15:14	713
361	11/10/2016	15:15	469
362	11/10/2016	15:16	291
363	11/10/2016	15:17	477
364	11/10/2016	15:18	243
365	11/10/2016	15:19	180
366	11/10/2016	15:20	200
367	11/10/2016	15:21	201
368	11/10/2016	15:22	158
369	11/10/2016	15:23	94
370	11/10/2016	15:24	107
371	11/10/2016	15:25	228
372	11/10/2016	15:26	305
373	11/10/2016	15:27	397
374	11/10/2016	15:28	256
375	11/10/2016	15:29	200
376	11/10/2016	15:30	224
377	11/10/2016	15:31	136
378	11/10/2016	15:32	372
379	11/10/2016	15:33	341
380	11/10/2016	15:34	153
381	11/10/2016	15:35	105
382	11/10/2016	15:36	282
383	11/10/2016	15:37	89
384	11/10/2016	15:38	118
385	11/10/2016	15:39	91
386	11/10/2016	15:40	149
387	11/10/2016	15:41	89
388	11/10/2016	15:42	78
389	11/10/2016	15:43	35
390	11/10/2016	15:44	28
391	11/10/2016	15:45	118
392	11/10/2016	15:46	117
393	11/10/2016	15:47	71
394	11/10/2016	15:48	72
395	11/10/2016	15:49	49
396	11/10/2016	15:50	80
397	11/10/2016	15:51	107
398	11/10/2016	15:52	241
399	11/10/2016	15:53	150
400	11/10/2016	15:54	128

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
401	11/10/2016	15:55	81
402	11/10/2016	15:56	54
403	11/10/2016	15:57	84
404	11/10/2016	15:58	80
405	11/10/2016	15:59	72
406	11/10/2016	16:00	37
407	11/10/2016	16:01	58
408	11/10/2016	16:02	104
409	11/10/2016	16:03	87
410	11/10/2016	16:04	74
411	11/10/2016	16:05	116
412	11/10/2016	16:06	45
413	11/10/2016	16:07	20
414	11/10/2016	16:08	30
415	11/10/2016	16:09	36
416	11/10/2016	16:10	39
417	11/10/2016	16:11	8
418	11/10/2016	16:12	15
419	11/10/2016	16:13	25
420	11/10/2016	16:14	9
421	11/10/2016	16:15	9
422	11/10/2016	16:16	21
423	11/10/2016	16:17	4
424	11/10/2016	16:18	4
425	11/10/2016	16:19	14
426	11/10/2016	16:20	7
427	11/10/2016	16:21	8
428	11/10/2016	16:22	7
429	11/10/2016	16:23	8
430	11/10/2016	16:24	40
431	11/10/2016	16:25	23
432	11/10/2016	16:26	26
433	11/10/2016	16:27	8
434	11/10/2016	16:28	16
435	11/10/2016	16:29	27
436	11/10/2016	16:30	61
437	11/10/2016	16:31	59
438	11/10/2016	16:32	60
439	11/10/2016	16:33	12
440	11/10/2016	16:34	12
441	11/10/2016	16:35	43
442	11/10/2016	16:36	21
443	11/10/2016	16:37	5
444	11/10/2016	16:38	4
445	11/10/2016	16:39	3
446	11/10/2016	16:40	5
447	11/10/2016	16:41	12
448	11/10/2016	16:42	6
449	11/10/2016	16:43	5
450	11/10/2016	16:44	4

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
451	11/10/2016	16:45	17
452	11/10/2016	16:46	6
453	11/10/2016	16:47	4
454	11/10/2016	16:48	7
455	11/10/2016	16:49	29
456	11/10/2016	16:50	19
457	11/10/2016	16:51	6
458	11/10/2016	16:52	19
459	11/10/2016	16:53	15
460	11/10/2016	16:54	5
461	11/10/2016	16:55	30
462	11/10/2016	16:56	5
463	11/10/2016	16:57	10
464	11/10/2016	16:58	93
465	11/10/2016	16:59	12
466	11/10/2016	17:00	6
467	11/10/2016	17:01	6
468	11/10/2016	17:02	4
469	11/10/2016	17:03	4
470	11/10/2016	17:04	4
471	11/10/2016	17:05	8
472	11/10/2016	17:06	4
473	11/10/2016	17:07	4
474	11/10/2016	17:08	6
475	11/10/2016	17:09	4
476	11/10/2016	17:10	4
477	11/10/2016	17:11	4
478	11/10/2016	17:12	4
479	11/10/2016	17:13	4
480	11/10/2016	17:14	5
481	11/10/2016	17:15	5
482	11/10/2016	17:16	5
483	11/10/2016	17:17	39
484	11/10/2016	17:18	18
485	11/10/2016	17:19	9
486	11/10/2016	17:20	21
487	11/10/2016	17:21	8
488	11/10/2016	17:22	12
489	11/10/2016	17:23	19
490	11/10/2016	17:24	189
491	11/10/2016	17:25	85
492	11/10/2016	17:26	57
493	11/10/2016	17:27	51
494	11/10/2016	17:28	91
495	11/10/2016	17:29	56
496	11/10/2016	17:30	192
497	11/10/2016	17:31	125
498	11/10/2016	17:32	62
499	11/10/2016	17:33	88
500	11/10/2016	17:34	147

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
501	11/10/2016	17:35	337
502	11/10/2016	17:36	164
503	11/10/2016	17:37	481
504	11/10/2016	17:38	260
505	11/10/2016	17:39	158
506	11/10/2016	17:40	567
507	11/10/2016	17:41	374
508	11/10/2016	17:42	231
509	11/10/2016	17:43	221
510	11/10/2016	17:44	275
511	11/10/2016	17:45	113
512	11/10/2016	17:46	112
513	11/10/2016	17:47	63
514	11/10/2016	17:48	81
515	11/10/2016	17:49	32
516	11/10/2016	17:50	71
517	11/10/2016	17:51	31
518	11/10/2016	17:52	94
519	11/10/2016	17:53	156
520	11/10/2016	17:54	221
521	11/10/2016	17:55	186
522	11/10/2016	17:56	175
523	11/10/2016	17:57	199
524	11/10/2016	17:58	218
525	11/10/2016	17:59	273
526	11/10/2016	18:00	335
527	11/10/2016	18:01	249
528	11/10/2016	18:02	308
529	11/10/2016	18:03	105
530	11/10/2016	18:04	110
531	11/10/2016	18:05	136
532	11/10/2016	18:06	381
533	11/10/2016	18:07	324
534	11/10/2016	18:08	168
535	11/10/2016	18:09	251
536	11/10/2016	18:10	247
537	11/10/2016	18:11	329
538	11/10/2016	18:12	370
539	11/10/2016	18:13	248
540	11/10/2016	18:14	499
541	11/10/2016	18:15	527
542	11/10/2016	18:16	781
543	11/10/2016	18:17	814
544	11/10/2016	18:18	735
545	11/10/2016	18:19	845
546	11/10/2016	18:20	587
547	11/10/2016	18:21	927
548	11/10/2016	18:22	758
549	11/10/2016	18:23	695
550	11/10/2016	18:24	601

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
551	11/10/2016	18:25	1120
552	11/10/2016	18:26	1140
553	11/10/2016	18:27	995
554	11/10/2016	18:28	851
555	11/10/2016	18:29	912
556	11/10/2016	18:30	1120
557	11/10/2016	18:31	939
558	11/10/2016	18:32	923
559	11/10/2016	18:33	912
560	11/10/2016	18:34	749
561	11/10/2016	18:35	576
562	11/10/2016	18:36	538
563	11/10/2016	18:37	596
564	11/10/2016	18:38	650
565	11/10/2016	18:39	689
566	11/10/2016	18:40	840
567	11/10/2016	18:41	516
568	11/10/2016	18:42	436
569	11/10/2016	18:43	671
570	11/10/2016	18:44	601
571	11/10/2016	18:45	438
572	11/10/2016	18:46	232
573	11/10/2016	18:47	694
574	11/10/2016	18:48	375
575	11/10/2016	18:49	327
576	11/10/2016	18:50	423
577	11/10/2016	18:51	390
578	11/10/2016	18:52	435
579	11/10/2016	18:53	401
580	11/10/2016	18:54	432
581	11/10/2016	18:56	407
582	11/10/2016	18:57	360
583	11/10/2016	18:58	416
584	11/10/2016	18:59	289
585	11/10/2016	19:00	225
586	11/10/2016	19:01	274
587	11/10/2016	19:02	620
588	11/10/2016	19:03	782
589	11/10/2016	19:04	798
590	11/10/2016	19:05	674
591	11/10/2016	19:06	554
592	11/10/2016	19:07	745
593	11/10/2016	19:08	384
594	11/10/2016	19:09	686
595	11/10/2016	19:10	751
596	11/10/2016	19:11	424
597	11/10/2016	19:12	717
598	11/10/2016	19:13	403
599	11/10/2016	19:14	710
600	11/10/2016	19:15	368

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
601	11/10/2016	19:16	376
602	11/10/2016	19:17	683
603	11/10/2016	19:18	793
604	11/10/2016	19:19	342
605	11/10/2016	19:20	742
606	11/10/2016	19:21	693
607	11/10/2016	19:22	543
608	11/10/2016	19:23	529
609	11/10/2016	19:24	469
610	11/10/2016	19:25	415
611	11/10/2016	19:26	543
612	11/10/2016	19:27	494
613	11/10/2016	19:28	465
614	11/10/2016	19:29	649
615	11/10/2016	19:30	587
616	11/10/2016	19:31	535
617	11/10/2016	19:32	671
618	11/10/2016	19:33	654
619	11/10/2016	19:34	596
620	11/10/2016	19:35	670
621	11/10/2016	19:36	202
622	11/10/2016	19:37	285
623	11/10/2016	19:38	395
624	11/10/2016	19:39	551
625	11/10/2016	19:40	397
626	11/10/2016	19:41	569
627	11/10/2016	19:42	684
628	11/10/2016	19:43	602
629	11/10/2016	19:44	589
630	11/10/2016	19:45	669
631	11/10/2016	19:46	276
632	11/10/2016	19:47	302
633	11/10/2016	19:48	395
634	11/10/2016	19:49	478
635	11/10/2016	19:50	427
636	11/10/2016	19:51	267
637	11/10/2016	19:52	461
638	11/10/2016	19:53	324
639	11/10/2016	19:54	388
640	11/10/2016	19:55	306
641	11/10/2016	19:56	330
642	11/10/2016	19:57	277
643	11/10/2016	19:58	519
644	11/10/2016	19:59	421
645	11/10/2016	20:00	424
646	11/10/2016	20:01	463
647	11/10/2016	20:02	164
648	11/10/2016	20:03	209
649	11/10/2016	20:04	387
650	11/10/2016	20:05	263

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
651	11/10/2016	20:06	464
652	11/10/2016	20:07	230
653	11/10/2016	20:08	188
654	11/10/2016	20:09	464
655	11/10/2016	20:10	724
656	11/10/2016	20:11	235
657	11/10/2016	20:12	313
658	11/10/2016	20:13	178
659	11/10/2016	20:14	507
660	11/10/2016	20:15	324
661	11/10/2016	20:16	380
662	11/10/2016	20:17	447
663	11/10/2016	20:18	240
664	11/10/2016	20:19	338
665	11/10/2016	20:20	335
666	11/10/2016	20:21	170
667	11/10/2016	20:22	307
668	11/10/2016	20:23	304
669	11/10/2016	20:24	253
670	11/10/2016	20:25	223
671	11/10/2016	20:26	276
672	11/10/2016	20:27	181
673	11/10/2016	20:28	265
674	11/10/2016	20:29	359
675	11/10/2016	20:30	479
676	11/10/2016	20:31	244
677	11/10/2016	20:32	518
678	11/10/2016	20:33	406
679	11/10/2016	20:34	153
680	11/10/2016	20:35	174
681	11/10/2016	20:36	407
682	11/10/2016	20:37	485
683	11/10/2016	20:38	235
684	11/10/2016	20:39	367
685	11/10/2016	20:40	316
686	11/10/2016	20:41	140
687	11/10/2016	20:42	335
688	11/10/2016	20:43	287
689	11/10/2016	20:44	174
690	11/10/2016	20:45	383
691	11/10/2016	20:46	230
692	11/10/2016	20:47	141
693	11/10/2016	20:48	404
694	11/10/2016	20:49	165
695	11/10/2016	20:50	248
696	11/10/2016	20:51	307
697	11/10/2016	20:52	233
698	11/10/2016	20:53	100
699	11/10/2016	20:54	140
700	11/10/2016	20:55	219

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
701	11/10/2016	20:56	136
702	11/10/2016	20:57	190
703	11/10/2016	20:58	334
704	11/10/2016	20:59	122
705	11/10/2016	21:00	106
706	11/10/2016	21:01	74
707	11/10/2016	21:02	90
708	11/10/2016	21:03	187
709	11/10/2016	21:04	229
710	11/10/2016	21:05	218
711	11/10/2016	21:06	129
712	11/10/2016	21:07	72
713	11/10/2016	21:08	69
714	11/10/2016	21:09	241
715	11/10/2016	21:10	143
716	11/10/2016	21:11	113
717	11/10/2016	21:12	86
718	11/10/2016	21:13	35
719	11/10/2016	21:14	250
720	11/10/2016	21:15	249
721	11/10/2016	21:16	60
722	11/10/2016	21:17	99
723	11/10/2016	21:18	83
724	11/10/2016	21:19	337
725	11/10/2016	21:20	131
726	11/10/2016	21:21	130
727	11/10/2016	21:22	73
728	11/10/2016	21:23	106
729	11/10/2016	21:24	216
730	11/10/2016	21:25	133
731	11/10/2016	21:26	97
732	11/10/2016	21:27	132
733	11/10/2016	21:28	99
734	11/10/2016	21:29	107
735	11/10/2016	21:30	67
736	11/10/2016	21:31	71
737	11/10/2016	21:32	91
738	11/10/2016	21:33	128
739	11/10/2016	21:34	81
740	11/10/2016	21:35	69
741	11/10/2016	21:36	117
742	11/10/2016	21:37	97
743	11/10/2016	21:38	69
744	11/10/2016	21:39	111
745	11/10/2016	21:40	146
746	11/10/2016	21:41	77
747	11/10/2016	21:42	122
748	11/10/2016	21:43	299
749	11/10/2016	21:44	66
750	11/10/2016	21:45	137

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
751	11/10/2016	21:46	98
752	11/10/2016	21:47	120
753	11/10/2016	21:48	142
754	11/10/2016	21:49	133
755	11/10/2016	21:50	77
756	11/10/2016	21:51	191
757	11/10/2016	21:52	88
758	11/10/2016	21:53	129
759	11/10/2016	21:54	121
760	11/10/2016	21:55	180
761	11/10/2016	21:56	129
762	11/10/2016	21:57	138
763	11/10/2016	21:58	135
764	11/10/2016	21:59	359
765	11/10/2016	22:00	220
766	11/10/2016	22:01	122
767	11/10/2016	22:02	185
768	11/10/2016	22:03	68
769	11/10/2016	22:04	90
770	11/10/2016	22:05	95
771	11/10/2016	22:06	71
772	11/10/2016	22:07	63
773	11/10/2016	22:08	79
774	11/10/2016	22:09	79
775	11/10/2016	22:10	227
776	11/10/2016	22:11	143
777	11/10/2016	22:12	133
778	11/10/2016	22:13	123
779	11/10/2016	22:14	183
780	11/10/2016	22:15	85
781	11/10/2016	22:16	97
782	11/10/2016	22:17	90
783	11/10/2016	22:18	115
784	11/10/2016	22:19	262
785	11/10/2016	22:20	220
786	11/10/2016	22:21	105
787	11/10/2016	22:22	102
788	11/10/2016	22:23	298
789	11/10/2016	22:24	92
790	11/10/2016	22:25	84
791	11/10/2016	22:26	244
792	11/10/2016	22:27	227
793	11/10/2016	22:28	260
794	11/10/2016	22:29	141
795	11/10/2016	22:30	113
796	11/10/2016	22:31	62
797	11/10/2016	22:32	161
798	11/10/2016	22:33	174
799	11/10/2016	22:34	290
800	11/10/2016	22:35	239

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
801	11/10/2016	22:36	330
802	11/10/2016	22:37	171
803	11/10/2016	22:38	83
804	11/10/2016	22:39	122
805	11/10/2016	22:40	75
806	11/10/2016	22:41	201
807	11/10/2016	22:42	117
808	11/10/2016	22:43	148
809	11/10/2016	22:44	136
810	11/10/2016	22:45	120
811	11/10/2016	22:46	155
812	11/10/2016	22:47	418
813	11/10/2016	22:48	103
814	11/10/2016	22:49	141
815	11/10/2016	22:50	121
816	11/10/2016	22:51	42
817	11/10/2016	22:52	119
818	11/10/2016	22:53	75
819	11/10/2016	22:54	22
820	11/10/2016	22:55	52
821	11/10/2016	22:56	27
822	11/10/2016	22:57	15
823	11/10/2016	22:58	74
824	11/10/2016	22:59	12
825	11/10/2016	23:00	17
826	11/10/2016	23:01	15
827	11/10/2016	23:02	36
828	11/10/2016	23:03	20
829	11/10/2016	23:04	34
830	11/10/2016	23:05	21
831	11/10/2016	23:06	30
832	11/10/2016	23:07	27
833	11/10/2016	23:08	42
834	11/10/2016	23:09	30
835	11/10/2016	23:10	14
836	11/10/2016	23:11	10
837	11/10/2016	23:12	16
838	11/10/2016	23:13	63
839	11/10/2016	23:14	35
840	11/10/2016	23:15	31
841	11/10/2016	23:16	17
842	11/10/2016	23:17	12
843	11/10/2016	23:18	20
844	11/10/2016	23:19	20
845	11/10/2016	23:20	14
846	11/10/2016	23:21	12
847	11/10/2016	23:22	28
848	11/10/2016	23:23	41
849	11/10/2016	23:24	50
850	11/10/2016	23:25	39

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
851	11/10/2016	23:26	8
852	11/10/2016	23:27	13
853	11/10/2016	23:28	22
854	11/10/2016	23:29	14
855	11/10/2016	23:30	11
856	11/10/2016	23:31	18
857	11/10/2016	23:32	11
858	11/10/2016	23:33	9
859	11/10/2016	23:34	9
860	11/10/2016	23:35	14
861	11/10/2016	23:36	16
862	11/10/2016	23:37	21
863	11/10/2016	23:38	9
864	11/10/2016	23:39	14
865	11/10/2016	23:40	11
866	11/10/2016	23:41	29
867	11/10/2016	23:42	16
868	11/10/2016	23:43	8
869	11/10/2016	23:44	22
870	11/10/2016	23:45	33
871	11/10/2016	23:46	8
872	11/10/2016	23:47	9
873	11/10/2016	23:48	10
874	11/10/2016	23:49	13
875	11/10/2016	23:50	13
876	11/10/2016	23:51	8
877	11/10/2016	23:52	8
878	11/10/2016	23:53	16
879	11/10/2016	23:54	8
880	11/10/2016	23:55	15
881	11/10/2016	23:56	12
882	11/10/2016	23:57	7
883	11/10/2016	23:58	22
884	11/10/2016	23:59	7
885	11/11/2016	0:00	11
886	11/11/2016	0:01	6
887	11/11/2016	0:02	8
888	11/11/2016	0:03	6
889	11/11/2016	0:04	27
890	11/11/2016	0:05	6
891	11/11/2016	0:06	7
892	11/11/2016	0:07	6
893	11/11/2016	0:08	6
894	11/11/2016	0:09	6
895	11/11/2016	0:10	6
896	11/11/2016	0:11	9
897	11/11/2016	0:12	7
898	11/11/2016	0:13	8
899	11/11/2016	0:14	6
900	11/11/2016	0:15	7

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
901	11/11/2016	0:16	12
902	11/11/2016	0:17	8
903	11/11/2016	0:18	7
904	11/11/2016	0:19	6
905	11/11/2016	0:20	6
906	11/11/2016	0:21	37
907	11/11/2016	0:22	17
908	11/11/2016	0:23	17
909	11/11/2016	0:24	7
910	11/11/2016	0:25	7
911	11/11/2016	0:26	8
912	11/11/2016	0:27	7
913	11/11/2016	0:28	11
914	11/11/2016	0:29	6
915	11/11/2016	0:30	8
916	11/11/2016	0:31	7
917	11/11/2016	0:32	13
918	11/11/2016	0:33	7
919	11/11/2016	0:34	7
920	11/11/2016	0:35	7
921	11/11/2016	0:36	6
922	11/11/2016	0:37	7
923	11/11/2016	0:38	6
924	11/11/2016	0:39	6
925	11/11/2016	0:40	8
926	11/11/2016	0:41	6
927	11/11/2016	0:42	6
928	11/11/2016	0:43	7
929	11/11/2016	0:44	7
930	11/11/2016	0:45	9
931	11/11/2016	0:46	7
932	11/11/2016	0:47	7
933	11/11/2016	0:48	6
934	11/11/2016	0:49	7
935	11/11/2016	0:50	6
936	11/11/2016	0:51	7
937	11/11/2016	0:52	6
938	11/11/2016	0:53	7
939	11/11/2016	0:54	8
940	11/11/2016	0:55	7
941	11/11/2016	0:56	7
942	11/11/2016	0:57	6
943	11/11/2016	0:58	7
944	11/11/2016	0:59	7
945	11/11/2016	1:00	8
946	11/11/2016	1:01	11
947	11/11/2016	1:02	8
948	11/11/2016	1:03	7
949	11/11/2016	1:04	8
950	11/11/2016	1:05	8
951	11/11/2016	1:06	7
952	11/11/2016	1:07	8
953	11/11/2016	1:08	7
954	11/11/2016	1:09	7
955	11/11/2016	1:10	7
956	11/11/2016	1:11	7
957	11/11/2016	1:12	8
958	11/11/2016	1:13	7
959	11/11/2016	1:14	7
960	11/11/2016	1:15	7
961	11/11/2016	1:16	7
962	11/11/2016	1:17	8
963	11/11/2016	1:18	7
964	11/11/2016	1:19	7
965	11/11/2016	1:20	8
966	11/11/2016	1:21	7
967	11/11/2016	1:22	7
968	11/11/2016	1:23	7
969	11/11/2016	1:24	7
970	11/11/2016	1:25	7
971	11/11/2016	1:26	8
972	11/11/2016	1:27	7
973	11/11/2016	1:28	7
974	11/11/2016	1:29	7
975	11/11/2016	1:30	8
976	11/11/2016	1:31	7
977	11/11/2016	1:32	7
978	11/11/2016	1:33	8
979	11/11/2016	1:34	7
980	11/11/2016	1:35	7
981	11/11/2016	1:36	8
982	11/11/2016	1:37	7
983	11/11/2016	1:38	7
984	11/11/2016	1:39	8
985	11/11/2016	1:40	8
986	11/11/2016	1:41	8
987	11/11/2016	1:42	7
988	11/11/2016	1:43	8
989	11/11/2016	1:44	8
990	11/11/2016	1:45	7
991	11/11/2016	1:46	8
992	11/11/2016	1:47	7
993	11/11/2016	1:48	8
994	11/11/2016	1:49	7
995	11/11/2016	1:50	7
996	11/11/2016	1:51	8
997	11/11/2016	1:52	7
998	11/11/2016	1:53	8
999	11/11/2016	1:54	7
1000	11/11/2016	1:55	8

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1001	11/11/2016	1:56	8
1002	11/11/2016	1:57	8
1003	11/11/2016	1:58	7
1004	11/11/2016	1:59	8
1005	11/11/2016	2:00	8
1006	11/11/2016	2:01	8
1007	11/11/2016	2:02	7
1008	11/11/2016	2:03	8
1009	11/11/2016	2:04	8
1010	11/11/2016	2:05	8
1011	11/11/2016	2:06	8
1012	11/11/2016	2:07	8
1013	11/11/2016	2:08	8
1014	11/11/2016	2:09	8
1015	11/11/2016	2:10	8
1016	11/11/2016	2:11	8
1017	11/11/2016	2:12	8
1018	11/11/2016	2:13	8
1019	11/11/2016	2:14	8
1020	11/11/2016	2:15	8
1021	11/11/2016	2:16	8
1022	11/11/2016	2:17	8
1023	11/11/2016	2:18	8
1024	11/11/2016	2:19	8
1025	11/11/2016	2:20	8
1026	11/11/2016	2:21	8
1027	11/11/2016	2:22	8
1028	11/11/2016	2:23	8
1029	11/11/2016	2:24	9
1030	11/11/2016	2:25	9
1031	11/11/2016	2:26	9
1032	11/11/2016	2:27	9
1033	11/11/2016	2:28	9
1034	11/11/2016	2:29	8
1035	11/11/2016	2:30	9
1036	11/11/2016	2:31	9
1037	11/11/2016	2:32	9
1038	11/11/2016	2:33	9
1039	11/11/2016	2:34	9
1040	11/11/2016	2:35	9
1041	11/11/2016	2:36	9
1042	11/11/2016	2:37	9
1043	11/11/2016	2:38	9
1044	11/11/2016	2:39	9
1045	11/11/2016	2:40	9
1046	11/11/2016	2:41	9
1047	11/11/2016	2:42	9
1048	11/11/2016	2:43	9
1049	11/11/2016	2:44	9
1050	11/11/2016	2:45	9

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1051	11/11/2016	2:46	9
1052	11/11/2016	2:47	9
1053	11/11/2016	2:48	10
1054	11/11/2016	2:49	9
1055	11/11/2016	2:50	9
1056	11/11/2016	2:51	9
1057	11/11/2016	2:52	9
1058	11/11/2016	2:53	10
1059	11/11/2016	2:54	10
1060	11/11/2016	2:55	10
1061	11/11/2016	2:56	10
1062	11/11/2016	2:57	10
1063	11/11/2016	2:58	10
1064	11/11/2016	2:59	10
1065	11/11/2016	3:00	10
1066	11/11/2016	3:01	10
1067	11/11/2016	3:02	10
1068	11/11/2016	3:03	10
1069	11/11/2016	3:04	10
1070	11/11/2016	3:05	10
1071	11/11/2016	3:06	10
1072	11/11/2016	3:07	10
1073	11/11/2016	3:08	10
1074	11/11/2016	3:09	10
1075	11/11/2016	3:10	10
1076	11/11/2016	3:11	10
1077	11/11/2016	3:12	10
1078	11/11/2016	3:13	10
1079	11/11/2016	3:14	10
1080	11/11/2016	3:15	10
1081	11/11/2016	3:16	10
1082	11/11/2016	3:17	10
1083	11/11/2016	3:18	10
1084	11/11/2016	3:19	10
1085	11/11/2016	3:20	11
1086	11/11/2016	3:21	11
1087	11/11/2016	3:22	10
1088	11/11/2016	3:23	10
1089	11/11/2016	3:24	10
1090	11/11/2016	3:25	11
1091	11/11/2016	3:26	10
1092	11/11/2016	3:27	10
1093	11/11/2016	3:28	10
1094	11/11/2016	3:29	10
1095	11/11/2016	3:30	10
1096	11/11/2016	3:31	10
1097	11/11/2016	3:32	10
1098	11/11/2016	3:33	11
1099	11/11/2016	3:34	11
1100	11/11/2016	3:35	11

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1101	11/11/2016	3:36	11
1102	11/11/2016	3:37	11
1103	11/11/2016	3:38	11
1104	11/11/2016	3:39	11
1105	11/11/2016	3:40	11
1106	11/11/2016	3:41	10
1107	11/11/2016	3:42	11
1108	11/11/2016	3:43	11
1109	11/11/2016	3:44	11
1110	11/11/2016	3:45	11
1111	11/11/2016	3:46	11
1112	11/11/2016	3:47	11
1113	11/11/2016	3:48	11
1114	11/11/2016	3:49	11
1115	11/11/2016	3:50	11
1116	11/11/2016	3:51	11
1117	11/11/2016	3:52	11
1118	11/11/2016	3:53	11
1119	11/11/2016	3:54	11
1120	11/11/2016	3:55	11
1121	11/11/2016	3:56	11
1122	11/11/2016	3:57	11
1123	11/11/2016	3:58	11
1124	11/11/2016	3:59	11
1125	11/11/2016	4:00	11
1126	11/11/2016	4:01	11
1127	11/11/2016	4:02	11
1128	11/11/2016	4:03	11
1129	11/11/2016	4:04	11
1130	11/11/2016	4:05	11
1131	11/11/2016	4:06	11
1132	11/11/2016	4:07	12
1133	11/11/2016	4:08	10
1134	11/11/2016	4:09	4
1135	11/11/2016	4:10	6
1136	11/11/2016	4:11	2
1137	11/11/2016	4:12	6
1138	11/11/2016	4:13	3
1139	11/11/2016	4:14	1
1140	11/11/2016	10:15	0
1141	11/11/2016	10:15	2
1142	11/11/2016	10:16	2
1143	11/11/2016	10:17	2
1144	11/11/2016	10:18	2
1145	11/11/2016	10:19	2
1146	11/11/2016	10:20	2
1147	11/11/2016	10:21	2
1148	11/11/2016	10:22	3
1149	11/11/2016	10:23	2
1150	11/11/2016	10:24	1
1151	11/11/2016	10:25	2
1152	11/11/2016	10:26	2
1153	11/11/2016	10:27	1
1154	11/11/2016	10:28	1
1155	11/11/2016	10:29	1
1156	11/11/2016	10:30	1
1157	11/11/2016	10:31	1
1158	11/11/2016	10:32	1
1159	11/11/2016	10:33	1
1160	11/11/2016	10:34	1
1161	11/11/2016	10:35	1
1162	11/11/2016	10:36	1
1163	11/11/2016	10:37	1
1164	11/11/2016	10:38	1
1165	11/11/2016	10:39	2
1166	11/11/2016	10:40	1
1167	11/11/2016	10:41	2
1168	11/11/2016	10:42	1
1169	11/11/2016	10:43	1
1170	11/11/2016	10:44	1
1171	11/11/2016	10:45	1
1172	11/11/2016	10:46	1
1173	11/11/2016	10:47	1
1174	11/11/2016	10:48	1
1175	11/11/2016	10:49	1
1176	11/11/2016	10:50	1
1177	11/11/2016	10:51	2
1178	11/11/2016	10:52	1
1179	11/11/2016	10:53	1
1180	11/11/2016	10:54	1
1181	11/11/2016	10:55	1
1182	11/11/2016	10:56	1
1183	11/11/2016	10:57	1
1184	11/11/2016	10:58	1
1185	11/11/2016	10:59	1
1186	11/11/2016	11:00	1
1187	11/11/2016	11:01	1
1188	11/11/2016	11:02	1
1189	11/11/2016	11:03	1
1190	11/11/2016	11:04	1
1191	11/11/2016	11:05	1
1192	11/11/2016	11:06	1
1193	11/11/2016	11:07	1
1194	11/11/2016	11:08	1
1195	11/11/2016	11:09	1
1196	11/11/2016	11:10	1
1197	11/11/2016	11:11	1
1198	11/11/2016	11:12	2
1199	11/11/2016	11:13	3
1200	11/11/2016	11:14	2

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
1201	11/11/2016	11:15	1
1202	11/11/2016	11:16	1
1203	11/11/2016	11:17	1
1204	11/11/2016	11:18	1
1205	11/11/2016	11:19	1
1206	11/11/2016	11:20	1
1207	11/11/2016	11:21	1
1208	11/11/2016	11:22	1
1209	11/11/2016	11:23	1
1210	11/11/2016	11:24	1
1211	11/11/2016	11:25	1
1212	11/11/2016	11:26	1
1213	11/11/2016	11:27	1
1214	11/11/2016	11:28	1
1215	11/11/2016	11:29	1
1216	11/11/2016	11:30	1
1217	11/11/2016	11:31	1
1218	11/11/2016	11:32	1
1219	11/11/2016	11:33	0
1220	11/11/2016	11:34	0
1221	11/11/2016	11:35	0
1222	11/11/2016	11:36	1
1223	11/11/2016	11:37	1
1224	11/11/2016	11:38	0
1225	11/11/2016	11:39	0
1226	11/11/2016	11:40	0
1227	11/11/2016	11:41	1
1228	11/11/2016	11:42	0
1229	11/11/2016	11:43	0
1230	11/11/2016	11:44	1
1231	11/11/2016	11:45	1
1232	11/11/2016	11:46	1
1233	11/11/2016	11:47	1
1234	11/11/2016	11:48	1
1235	11/11/2016	11:49	0
1236	11/11/2016	11:50	0
1237	11/11/2016	11:51	1
1238	11/11/2016	11:52	0
1239	11/11/2016	11:53	0
1240	11/11/2016	11:54	0
1241	11/11/2016	11:55	0
1242	11/11/2016	11:56	1
1243	11/11/2016	11:57	1
1244	11/11/2016	11:58	1
1245	11/11/2016	11:59	0
1246	11/11/2016	12:00	0
1247	11/11/2016	12:01	1
1248	11/11/2016	12:02	0
1249	11/11/2016	12:03	0
1250	11/11/2016	12:04	0

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
1251	11/11/2016	12:05	1
1252	11/11/2016	12:06	0
1253	11/11/2016	12:07	1
1254	11/11/2016	12:08	1
1255	11/11/2016	12:09	1
1256	11/11/2016	12:10	1
1257	11/11/2016	12:11	1
1258	11/11/2016	12:12	1
1259	11/11/2016	12:13	1
1260	11/11/2016	12:14	1
1261	11/11/2016	12:15	0
1262	11/11/2016	12:16	1
1263	11/11/2016	12:17	1
1264	11/11/2016	12:18	1
1265	11/11/2016	12:19	1
1266	11/11/2016	12:20	1
1267	11/11/2016	12:21	1
1268	11/11/2016	12:22	1
1269	11/11/2016	12:23	1
1270	11/11/2016	12:24	0
1271	11/11/2016	12:25	0
1272	11/11/2016	12:26	0
1273	11/11/2016	12:27	1
1274	11/11/2016	12:28	1
1275	11/11/2016	12:29	1
1276	11/11/2016	12:30	1
1277	11/11/2016	12:31	1
1278	11/11/2016	12:32	1
1279	11/11/2016	12:33	1
1280	11/11/2016	12:34	1
1281	11/11/2016	12:35	1
1282	11/11/2016	12:36	1
1283	11/11/2016	12:37	1
1284	11/11/2016	12:38	1
1285	11/11/2016	12:39	1
1286	11/11/2016	12:40	1
1287	11/11/2016	12:41	1
1288	11/11/2016	12:42	0
1289	11/11/2016	12:43	0
1290	11/11/2016	12:44	0
1291	11/11/2016	12:45	0
1292	11/11/2016	12:46	1
1293	11/11/2016	12:47	0
1294	11/11/2016	12:48	2
1295	11/11/2016	12:49	2
1296	11/11/2016	12:50	1
1297	11/11/2016	12:51	0
1298	11/11/2016	12:52	1
1299	11/11/2016	12:53	0
1300	11/11/2016	12:54	0

µg/m^3 - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1301	11/11/2016	12:55	0
1302	11/11/2016	12:56	1
1303	11/11/2016	12:57	1
1304	11/11/2016	12:58	1
1305	11/11/2016	12:59	1
1306	11/11/2016	13:00	1
1307	11/11/2016	13:01	1
1308	11/11/2016	13:02	0
1309	11/11/2016	13:03	0
1310	11/11/2016	13:04	0
1311	11/11/2016	13:05	0
1312	11/11/2016	13:06	0
1313	11/11/2016	13:07	0
1314	11/11/2016	13:08	0
1315	11/11/2016	13:09	0
1316	11/11/2016	13:10	1
1317	11/11/2016	13:11	1
1318	11/11/2016	13:12	1
1319	11/11/2016	13:13	1
1320	11/11/2016	13:14	0
1321	11/11/2016	13:15	0
1322	11/11/2016	13:16	0
1323	11/11/2016	13:17	0
1324	11/11/2016	13:18	1
1325	11/11/2016	13:19	0
1326	11/11/2016	13:20	0
1327	11/11/2016	13:21	0
1328	11/11/2016	13:22	0
1329	11/11/2016	13:23	1
1330	11/11/2016	13:24	1
1331	11/11/2016	13:25	1
1332	11/11/2016	13:26	1
1333	11/11/2016	13:27	1
1334	11/11/2016	13:28	1
1335	11/11/2016	13:29	3
1336	11/11/2016	13:30	5
1337	11/11/2016	13:31	2
1338	11/11/2016	13:32	1
1339	11/11/2016	13:33	1
1340	11/11/2016	13:34	1
1341	11/11/2016	13:35	1
1342	11/11/2016	13:36	1
1343	11/11/2016	13:37	1
1344	11/11/2016	13:38	1
1345	11/11/2016	13:39	1
1346	11/11/2016	13:40	1
1347	11/11/2016	13:41	1
1348	11/11/2016	13:42	1
1349	11/11/2016	13:43	1
1350	11/11/2016	13:44	1

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1351	11/11/2016	13:45	1
1352	11/11/2016	13:46	1
1353	11/11/2016	13:47	1
1354	11/11/2016	13:48	1
1355	11/11/2016	13:49	1
1356	11/11/2016	13:50	1
1357	11/11/2016	13:51	1
1358	11/11/2016	13:52	1
1359	11/11/2016	13:53	1
1360	11/11/2016	13:54	1
1361	11/11/2016	13:55	1
1362	11/11/2016	13:56	1
1363	11/11/2016	13:57	1
1364	11/11/2016	13:58	0
1365	11/11/2016	13:59	1
1366	11/11/2016	14:00	1
1367	11/11/2016	14:01	1
1368	11/11/2016	14:02	1
1369	11/11/2016	14:03	1
1370	11/11/2016	14:04	1
1371	11/11/2016	14:05	0
1372	11/11/2016	14:06	1
1373	11/11/2016	14:07	0
1374	11/11/2016	14:08	1
1375	11/11/2016	14:09	1
1376	11/11/2016	14:10	0
1377	11/11/2016	14:11	0
1378	11/11/2016	14:12	1
1379	11/11/2016	14:13	0
1380	11/11/2016	14:14	0
1381	11/11/2016	14:15	0
1382	11/11/2016	14:16	1
1383	11/11/2016	14:17	1
1384	11/11/2016	14:18	1
1385	11/11/2016	14:19	1
1386	11/11/2016	14:20	1
1387	11/11/2016	14:21	1
1388	11/11/2016	14:22	1
1389	11/11/2016	14:23	1
1390	11/11/2016	14:24	1
1391	11/11/2016	14:25	1
1392	11/11/2016	14:26	0
1393	11/11/2016	14:27	1
1394	11/11/2016	14:28	0
1395	11/11/2016	14:29	1
1396	11/11/2016	14:30	1
1397	11/11/2016	14:31	1
1398	11/11/2016	14:32	1
1399	11/11/2016	14:33	0
1400	11/11/2016	14:34	1

$\mu g/m^3$ - micrograms per cubic meter

Table 9: Station AS015 Particulates Results
Tennis Courts
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1401	11/11/2016	14:35	1
1402	11/11/2016	14:36	1
1403	11/11/2016	14:37	1
1404	11/11/2016	14:38	1
1405	11/11/2016	14:39	1
1406	11/11/2016	14:40	1
1407	11/11/2016	14:41	1
1408	11/11/2016	14:42	1
1409	11/11/2016	14:43	1
1410	11/11/2016	14:44	1
1411	11/11/2016	14:45	2
1412	11/11/2016	14:46	1
1413	11/11/2016	14:47	1
1414	11/11/2016	14:48	1
1415	11/11/2016	14:49	0
1416	11/11/2016	14:50	1
1417	11/11/2016	14:51	1
1418	11/11/2016	14:52	1
1419	11/11/2016	14:53	1
1420	11/11/2016	14:54	1
1421	11/11/2016	14:55	1

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1422	11/11/2016	14:56	1
1423	11/11/2016	14:57	1
1424	11/11/2016	14:58	1
1425	11/11/2016	14:59	0
1426	11/11/2016	15:00	1
1427	11/11/2016	15:01	1
1428	11/11/2016	15:02	1
1429	11/11/2016	15:03	1
1430	11/11/2016	15:04	1
1431	11/11/2016	15:05	1
1432	11/11/2016	15:06	1
1433	11/11/2016	15:07	1
1434	11/11/2016	15:08	1
1435	11/11/2016	15:09	1
1436	11/11/2016	15:10	1
1437	11/11/2016	15:11	1
1438	11/11/2016	15:12	1
1439	11/11/2016	15:13	1
1440	11/11/2016	15:14	1
1441	11/11/2016	15:15	1
1442	11/11/2016	15:16	2

$\mu g/m^3$ - micrograms per cubic meter

Table 10: Station AS016 Particulates Results
Madison Avenue
Steel Works Industrial Park Fire Site
November 10 and 11, 2016

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1	11/10/2016	17:01	6
2	11/10/2016	17:02	4
3	11/10/2016	17:03	4
4	11/10/2016	17:04	4
5	11/10/2016	17:05	4
6	11/10/2016	17:06	5
7	11/10/2016	17:07	7
8	11/10/2016	17:08	5
9	11/10/2016	17:09	4
10	11/10/2016	17:10	4
11	11/10/2016	17:11	4
12	11/10/2016	17:12	4
13	11/10/2016	17:13	4
14	11/10/2016	17:14	6
15	11/10/2016	17:15	4
16	11/10/2016	17:16	5
17	11/10/2016	17:17	5
18	11/10/2016	17:18	5
19	11/10/2016	17:19	5
20	11/10/2016	17:20	5
21	11/10/2016	17:21	5
22	11/10/2016	17:22	5
23	11/10/2016	17:23	5
24	11/10/2016	17:24	5
25	11/10/2016	17:25	5
26	11/10/2016	17:26	5
27	11/10/2016	17:27	6
28	11/10/2016	17:28	7
29	11/10/2016	17:29	7
30	11/10/2016	17:30	5
31	11/10/2016	17:31	5
32	11/10/2016	17:32	5
33	11/10/2016	17:33	5
34	11/10/2016	17:34	4
35	11/10/2016	17:35	5
36	11/10/2016	17:36	5
37	11/10/2016	17:37	5
38	11/10/2016	17:38	5
39	11/10/2016	17:39	5
40	11/10/2016	17:40	5
41	11/10/2016	17:41	5
42	11/10/2016	17:42	5
43	11/10/2016	17:43	5
44	11/10/2016	17:44	6
45	11/10/2016	17:45	6
46	11/10/2016	17:46	6
47	11/10/2016	17:47	6
48	11/10/2016	17:48	6
49	11/10/2016	17:49	6
50	11/10/2016	17:50	5

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
51	11/10/2016	17:51	5
52	11/10/2016	17:52	6
53	11/10/2016	17:53	6
54	11/10/2016	17:54	7
55	11/10/2016	17:55	6
56	11/10/2016	17:56	7
57	11/10/2016	17:57	7
58	11/10/2016	17:58	6
59	11/10/2016	17:59	7
60	11/10/2016	18:00	7
61	11/10/2016	18:01	8
62	11/10/2016	18:02	7
63	11/10/2016	18:03	7
64	11/10/2016	18:04	7
65	11/10/2016	18:05	7
66	11/10/2016	18:06	7
67	11/10/2016	18:07	8
68	11/10/2016	18:08	7
69	11/10/2016	18:09	8
70	11/10/2016	18:10	8
71	11/10/2016	18:11	8
72	11/10/2016	18:12	8
73	11/10/2016	18:13	11
74	11/10/2016	18:14	8
75	11/10/2016	18:15	7
76	11/10/2016	18:16	7
77	11/10/2016	18:17	7
78	11/10/2016	18:18	7
79	11/10/2016	18:19	8
80	11/10/2016	18:20	8
81	11/10/2016	18:21	8
82	11/10/2016	18:22	9
83	11/10/2016	18:23	8
84	11/10/2016	18:24	10
85	11/10/2016	18:25	8
86	11/10/2016	18:26	8
87	11/10/2016	18:27	9
88	11/10/2016	18:28	12
89	11/10/2016	18:29	10
90	11/10/2016	18:30	9
91	11/10/2016	18:31	9
92	11/10/2016	18:32	8
93	11/10/2016	18:33	8
94	11/10/2016	18:34	8
95	11/10/2016	18:35	8
96	11/10/2016	18:36	8
97	11/10/2016	18:37	9
98	11/10/2016	18:38	8
99	11/10/2016	18:39	9
100	11/10/2016	18:40	8

$\mu g/m^3$ - micrograms per cubic meter

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Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
101	11/10/2016	18:41	8
102	11/10/2016	18:42	9
103	11/10/2016	18:43	9
104	11/10/2016	18:44	9
105	11/10/2016	18:45	9
106	11/10/2016	18:46	9
107	11/10/2016	18:47	9
108	11/10/2016	18:48	8
109	11/10/2016	18:49	8
110	11/10/2016	18:50	10
111	11/10/2016	18:51	10
112	11/10/2016	18:53	10
113	11/10/2016	18:54	10
114	11/10/2016	18:55	8
115	11/10/2016	18:56	8
116	11/10/2016	18:57	9
117	11/10/2016	18:58	9
118	11/10/2016	18:59	9
119	11/10/2016	19:00	8
120	11/10/2016	19:01	8
121	11/10/2016	19:02	9
122	11/10/2016	19:03	8
123	11/10/2016	19:04	9
124	11/10/2016	19:05	9
125	11/10/2016	19:06	9
126	11/10/2016	19:07	9
127	11/10/2016	19:08	9
128	11/10/2016	19:09	9
129	11/10/2016	19:10	9
130	11/10/2016	19:11	10
131	11/10/2016	19:12	10
132	11/10/2016	19:13	10
133	11/10/2016	19:14	9
134	11/10/2016	19:15	9
135	11/10/2016	19:16	9
136	11/10/2016	19:17	9
137	11/10/2016	19:18	9
138	11/10/2016	19:19	9
139	11/10/2016	19:20	9
140	11/10/2016	19:21	9
141	11/10/2016	19:22	9
142	11/10/2016	19:23	9
143	11/10/2016	19:24	9
144	11/10/2016	19:25	9
145	11/10/2016	19:26	9
146	11/10/2016	19:27	9
147	11/10/2016	19:28	9
148	11/10/2016	19:29	9
149	11/10/2016	19:30	9
150	11/10/2016	19:31	9

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
151	11/10/2016	19:32	9
152	11/10/2016	19:33	9
153	11/10/2016	19:34	9
154	11/10/2016	19:35	10
155	11/10/2016	19:36	9
156	11/10/2016	19:37	9
157	11/10/2016	19:38	12
158	11/10/2016	19:39	10
159	11/10/2016	19:40	10
160	11/10/2016	19:41	12
161	11/10/2016	19:42	10
162	11/10/2016	19:43	10
163	11/10/2016	19:44	10
164	11/10/2016	19:45	9
165	11/10/2016	19:46	12
166	11/10/2016	19:47	9
167	11/10/2016	19:48	9
168	11/10/2016	19:49	9
169	11/10/2016	19:50	9
170	11/10/2016	19:51	9
171	11/10/2016	19:52	9
172	11/10/2016	19:53	10
173	11/10/2016	19:54	10
174	11/10/2016	19:55	10
175	11/10/2016	19:56	11
176	11/10/2016	19:57	10
177	11/10/2016	19:58	10
178	11/10/2016	19:59	10
179	11/10/2016	20:00	10
180	11/10/2016	20:01	11
181	11/10/2016	20:02	10
182	11/10/2016	20:03	12
183	11/10/2016	20:04	10
184	11/10/2016	20:05	10
185	11/10/2016	20:06	10
186	11/10/2016	20:07	10
187	11/10/2016	20:08	10
188	11/10/2016	20:09	10
189	11/10/2016	20:10	10
190	11/10/2016	20:11	13
191	11/10/2016	20:12	13
192	11/10/2016	20:13	11
193	11/10/2016	20:14	11
194	11/10/2016	20:15	11
195	11/10/2016	20:16	11
196	11/10/2016	20:17	11
197	11/10/2016	20:18	11
198	11/10/2016	20:19	10
199	11/10/2016	20:20	10
200	11/10/2016	20:21	10

µg/m^3 - micrograms per cubic meter

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Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
201	11/10/2016	20:22	11
202	11/10/2016	20:23	18
203	11/10/2016	20:24	10
204	11/10/2016	20:25	10
205	11/10/2016	20:26	10
206	11/10/2016	20:27	11
207	11/10/2016	20:28	12
208	11/10/2016	20:29	14
209	11/10/2016	20:30	11
210	11/10/2016	20:31	11
211	11/10/2016	20:32	11
212	11/10/2016	20:33	11
213	11/10/2016	20:34	13
214	11/10/2016	20:35	12
215	11/10/2016	20:36	11
216	11/10/2016	20:37	11
217	11/10/2016	20:38	11
218	11/10/2016	20:39	11
219	11/10/2016	20:40	12
220	11/10/2016	20:41	12
221	11/10/2016	20:42	12
222	11/10/2016	20:43	13
223	11/10/2016	20:44	11
224	11/10/2016	20:45	12
225	11/10/2016	20:46	12
226	11/10/2016	20:47	12
227	11/10/2016	20:48	12
228	11/10/2016	20:49	12
229	11/10/2016	20:50	12
230	11/10/2016	20:51	15
231	11/10/2016	20:52	14
232	11/10/2016	20:53	13
233	11/10/2016	20:54	13
234	11/10/2016	20:55	14
235	11/10/2016	20:56	12
236	11/10/2016	20:57	11
237	11/10/2016	20:58	16
238	11/10/2016	20:59	13
239	11/10/2016	21:00	13
240	11/10/2016	21:01	13
241	11/10/2016	21:02	14
242	11/10/2016	21:03	14
243	11/10/2016	21:04	18
244	11/10/2016	21:05	15
245	11/10/2016	21:06	13
246	11/10/2016	21:07	14
247	11/10/2016	21:08	13
248	11/10/2016	21:09	13
249	11/10/2016	21:10	15
250	11/10/2016	21:11	14

Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
251	11/10/2016	21:12	14
252	11/10/2016	21:13	13
253	11/10/2016	21:14	13
254	11/10/2016	21:15	13
255	11/10/2016	21:16	15
256	11/10/2016	21:17	14
257	11/10/2016	21:18	14
258	11/10/2016	21:19	13
259	11/10/2016	21:20	14
260	11/10/2016	21:21	15
261	11/10/2016	21:22	15
262	11/10/2016	21:23	18
263	11/10/2016	21:24	18
264	11/10/2016	21:25	15
265	11/10/2016	21:26	14
266	11/10/2016	21:27	14
267	11/10/2016	21:28	17
268	11/10/2016	21:29	15
269	11/10/2016	21:30	19
270	11/10/2016	21:31	17
271	11/10/2016	21:32	15
272	11/10/2016	21:33	14
273	11/10/2016	21:34	15
274	11/10/2016	21:35	14
275	11/10/2016	21:36	14
276	11/10/2016	21:37	15
277	11/10/2016	21:38	15
278	11/10/2016	21:39	18
279	11/10/2016	21:40	14
280	11/10/2016	21:41	16
281	11/10/2016	21:42	14
282	11/10/2016	21:43	14
283	11/10/2016	21:44	13
284	11/10/2016	21:45	14
285	11/10/2016	21:46	13
286	11/10/2016	21:47	13
287	11/10/2016	21:48	15
288	11/10/2016	21:49	14
289	11/10/2016	21:50	14
290	11/10/2016	21:51	14
291	11/10/2016	21:52	14
292	11/10/2016	21:53	14
293	11/10/2016	21:54	14
294	11/10/2016	21:55	14
295	11/10/2016	21:56	15
296	11/10/2016	21:57	14
297	11/10/2016	21:58	15
298	11/10/2016	21:59	14
299	11/10/2016	22:00	15
300	11/10/2016	22:01	15

µg/m^3 - micrograms per cubic meter

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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
301	11/10/2016	22:02	15
302	11/10/2016	22:03	15
303	11/10/2016	22:04	14
304	11/10/2016	22:05	14
305	11/10/2016	22:06	13
306	11/10/2016	22:07	14
307	11/10/2016	22:08	14
308	11/10/2016	22:09	14
309	11/10/2016	22:10	14
310	11/10/2016	22:11	14
311	11/10/2016	22:12	14
312	11/10/2016	22:13	14
313	11/10/2016	22:14	14
314	11/10/2016	22:15	14
315	11/10/2016	22:16	14
316	11/10/2016	22:17	14
317	11/10/2016	22:18	14
318	11/10/2016	22:19	14
319	11/10/2016	22:20	14
320	11/10/2016	22:21	14
321	11/10/2016	22:22	14
322	11/10/2016	22:23	14
323	11/10/2016	22:24	14
324	11/10/2016	22:25	14
325	11/10/2016	22:26	14
326	11/10/2016	22:27	13
327	11/10/2016	22:28	13
328	11/10/2016	22:29	14
329	11/10/2016	22:30	13
330	11/10/2016	22:31	13
331	11/10/2016	22:32	13
332	11/10/2016	22:33	13
333	11/10/2016	22:34	13
334	11/10/2016	22:35	13
335	11/10/2016	22:36	13
336	11/10/2016	22:37	13
337	11/10/2016	22:38	14
338	11/10/2016	22:39	13
339	11/10/2016	22:40	13
340	11/10/2016	22:41	13
341	11/10/2016	22:42	14
342	11/10/2016	22:43	14
343	11/10/2016	22:44	13
344	11/10/2016	22:45	13
345	11/10/2016	22:46	13
346	11/10/2016	22:47	13
347	11/10/2016	22:48	13
348	11/10/2016	22:49	13
349	11/10/2016	22:50	13
350	11/10/2016	22:51	14

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
351	11/10/2016	22:52	14
352	11/10/2016	22:53	13
353	11/10/2016	22:54	14
354	11/10/2016	22:55	13
355	11/10/2016	22:56	13
356	11/10/2016	22:57	13
357	11/10/2016	22:58	14
358	11/10/2016	22:59	13
359	11/10/2016	23:00	13
360	11/10/2016	23:01	14
361	11/10/2016	23:02	13
362	11/10/2016	23:03	14
363	11/10/2016	23:04	13
364	11/10/2016	23:05	13
365	11/10/2016	23:06	13
366	11/10/2016	23:07	13
367	11/10/2016	23:08	13
368	11/10/2016	23:09	13
369	11/10/2016	23:10	13
370	11/10/2016	23:11	13
371	11/10/2016	23:12	13
372	11/10/2016	23:13	13
373	11/10/2016	23:14	12
374	11/10/2016	23:15	12
375	11/10/2016	23:16	12
376	11/10/2016	23:17	12
377	11/10/2016	23:18	12
378	11/10/2016	23:19	13
379	11/10/2016	23:20	12
380	11/10/2016	23:21	12
381	11/10/2016	23:22	12
382	11/10/2016	23:23	12
383	11/10/2016	23:24	11
384	11/10/2016	23:25	12
385	11/10/2016	23:26	12
386	11/10/2016	23:27	12
387	11/10/2016	23:28	17
388	11/10/2016	23:29	12
389	11/10/2016	23:30	11
390	11/10/2016	23:31	11
391	11/10/2016	23:32	11
392	11/10/2016	23:33	11
393	11/10/2016	23:34	12
394	11/10/2016	23:35	12
395	11/10/2016	23:36	11
396	11/10/2016	23:37	11
397	11/10/2016	23:38	12
398	11/10/2016	23:39	11
399	11/10/2016	23:40	11
400	11/10/2016	23:41	11

$\mu g/m^3$ - micrograms per cubic meter

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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
401	11/10/2016	23:42	11
402	11/10/2016	23:43	11
403	11/10/2016	23:44	11
404	11/10/2016	23:45	11
405	11/10/2016	23:46	11
406	11/10/2016	23:47	12
407	11/10/2016	23:48	12
408	11/10/2016	23:49	11
409	11/10/2016	23:50	11
410	11/10/2016	23:51	11
411	11/10/2016	23:52	11
412	11/10/2016	23:53	11
413	11/10/2016	23:54	11
414	11/10/2016	23:55	11
415	11/10/2016	23:56	11
416	11/10/2016	23:57	11
417	11/10/2016	23:58	12
418	11/10/2016	23:59	12
419	11/11/2016	0:00	11
420	11/11/2016	0:01	11
421	11/11/2016	0:02	11
422	11/11/2016	0:03	11
423	11/11/2016	0:04	11
424	11/11/2016	0:05	11
425	11/11/2016	0:06	11
426	11/11/2016	0:07	11
427	11/11/2016	0:08	11
428	11/11/2016	0:09	11
429	11/11/2016	0:10	11
430	11/11/2016	0:11	11
431	11/11/2016	0:12	11
432	11/11/2016	0:13	11
433	11/11/2016	0:14	11
434	11/11/2016	0:15	11
435	11/11/2016	0:16	12
436	11/11/2016	0:17	11
437	11/11/2016	0:18	11
438	11/11/2016	0:19	11
439	11/11/2016	0:20	11
440	11/11/2016	0:21	11
441	11/11/2016	0:22	11
442	11/11/2016	0:23	11
443	11/11/2016	0:24	11
444	11/11/2016	0:25	11
445	11/11/2016	0:26	11
446	11/11/2016	0:27	11
447	11/11/2016	0:28	11
448	11/11/2016	0:29	11
449	11/11/2016	0:30	11
450	11/11/2016	0:31	11

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
451	11/11/2016	0:32	11
452	11/11/2016	0:33	12
453	11/11/2016	0:34	11
454	11/11/2016	0:35	12
455	11/11/2016	0:36	11
456	11/11/2016	0:37	12
457	11/11/2016	0:38	12
458	11/11/2016	0:39	11
459	11/11/2016	0:40	12
460	11/11/2016	0:41	12
461	11/11/2016	0:42	12
462	11/11/2016	0:43	12
463	11/11/2016	0:44	12
464	11/11/2016	0:45	12
465	11/11/2016	0:46	12
466	11/11/2016	0:47	12
467	11/11/2016	0:48	13
468	11/11/2016	0:49	12
469	11/11/2016	0:50	14
470	11/11/2016	0:51	13
471	11/11/2016	0:52	12
472	11/11/2016	0:53	12
473	11/11/2016	0:54	12
474	11/11/2016	0:55	12
475	11/11/2016	0:56	12
476	11/11/2016	0:57	13
477	11/11/2016	0:58	13
478	11/11/2016	0:59	14
479	11/11/2016	1:00	13
480	11/11/2016	1:01	12
481	11/11/2016	1:02	12
482	11/11/2016	1:03	13
483	11/11/2016	1:04	13
484	11/11/2016	1:05	13
485	11/11/2016	1:06	12
486	11/11/2016	1:07	12
487	11/11/2016	1:08	13
488	11/11/2016	1:09	12
489	11/11/2016	1:10	13
490	11/11/2016	1:11	12
491	11/11/2016	1:12	13
492	11/11/2016	1:13	12
493	11/11/2016	1:14	12
494	11/11/2016	1:15	12
495	11/11/2016	1:16	12
496	11/11/2016	1:17	13
497	11/11/2016	1:18	13
498	11/11/2016	1:19	12
499	11/11/2016	1:20	13
500	11/11/2016	1:21	13

$\mu g/m^3$ - micrograms per cubic meter

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Equipment Run Time (minutes)	Date	Sample Time	Concentration (µg/m^3)
501	11/11/2016	1:22	13
502	11/11/2016	1:23	13
503	11/11/2016	1:24	13
504	11/11/2016	1:25	13
505	11/11/2016	1:26	12
506	11/11/2016	1:27	13
507	11/11/2016	1:28	13
508	11/11/2016	1:29	13
509	11/11/2016	1:30	13
510	11/11/2016	1:31	13
511	11/11/2016	1:32	13
512	11/11/2016	1:33	13
513	11/11/2016	1:34	13
514	11/11/2016	1:35	13
515	11/11/2016	1:36	13
516	11/11/2016	1:37	14
517	11/11/2016	1:38	13
518	11/11/2016	1:39	13
519	11/11/2016	1:40	13
520	11/11/2016	1:41	13
521	11/11/2016	1:42	13
522	11/11/2016	1:43	13
523	11/11/2016	1:44	14
524	11/11/2016	1:45	13
525	11/11/2016	1:46	13
526	11/11/2016	1:47	13
527	11/11/2016	1:48	14
528	11/11/2016	1:49	14
529	11/11/2016	1:50	13
530	11/11/2016	1:51	14
531	11/11/2016	1:52	14
532	11/11/2016	1:53	13
533	11/11/2016	1:54	13
534	11/11/2016	1:55	13
535	11/11/2016	1:56	13
536	11/11/2016	1:57	13
537	11/11/2016	1:58	13
538	11/11/2016	1:59	14
539	11/11/2016	2:00	13
540	11/11/2016	2:01	14
541	11/11/2016	2:02	14
542	11/11/2016	2:03	14
543	11/11/2016	2:04	14
544	11/11/2016	2:05	13
545	11/11/2016	2:06	14
546	11/11/2016	2:07	14
547	11/11/2016	2:08	14
548	11/11/2016	2:09	14
549	11/11/2016	2:10	15
550	11/11/2016	2:11	14
551	11/11/2016	2:12	15
552	11/11/2016	2:13	14
553	11/11/2016	2:14	15
554	11/11/2016	2:15	14
555	11/11/2016	2:16	14
556	11/11/2016	2:17	14
557	11/11/2016	2:18	15
558	11/11/2016	2:19	15
559	11/11/2016	2:20	14
560	11/11/2016	2:21	15
561	11/11/2016	2:22	15
562	11/11/2016	2:23	15
563	11/11/2016	2:24	15
564	11/11/2016	2:25	15
565	11/11/2016	2:26	15
566	11/11/2016	2:27	15
567	11/11/2016	2:28	15
568	11/11/2016	2:29	15
569	11/11/2016	2:30	15
570	11/11/2016	2:31	15
571	11/11/2016	2:32	15
572	11/11/2016	2:33	15
573	11/11/2016	2:34	15
574	11/11/2016	2:35	15
575	11/11/2016	2:36	16
576	11/11/2016	2:37	16
577	11/11/2016	2:38	15
578	11/11/2016	2:39	16
579	11/11/2016	2:40	15
580	11/11/2016	2:41	15
581	11/11/2016	2:42	16
582	11/11/2016	2:43	18
583	11/11/2016	2:44	16
584	11/11/2016	2:45	15
585	11/11/2016	2:46	16
586	11/11/2016	2:47	16
587	11/11/2016	2:48	16
588	11/11/2016	2:49	16
589	11/11/2016	2:50	16
590	11/11/2016	2:51	16
591	11/11/2016	2:52	15
592	11/11/2016	2:53	16
593	11/11/2016	2:54	16
594	11/11/2016	2:55	15
595	11/11/2016	2:56	16
596	11/11/2016	2:57	15
597	11/11/2016	2:58	15
598	11/11/2016	2:59	16
599	11/11/2016	3:00	16
600	11/11/2016	3:01	16

µg/m^3 - micrograms per cubic meter

Table 10: Station AS016 Particulates Results
Madison Avenue
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
601	11/11/2016	3:02	15
602	11/11/2016	3:03	15
603	11/11/2016	3:04	16
604	11/11/2016	3:05	16
605	11/11/2016	3:06	16
606	11/11/2016	3:07	15
607	11/11/2016	3:08	16
608	11/11/2016	3:09	16
609	11/11/2016	3:10	18
610	11/11/2016	3:11	16
611	11/11/2016	3:12	16
612	11/11/2016	3:13	15
613	11/11/2016	3:14	16
614	11/11/2016	3:15	16
615	11/11/2016	3:16	15
616	11/11/2016	3:17	16
617	11/11/2016	3:18	15
618	11/11/2016	3:19	15
619	11/11/2016	3:20	15
620	11/11/2016	3:21	15
621	11/11/2016	3:22	15
622	11/11/2016	3:23	16
623	11/11/2016	3:24	15
624	11/11/2016	3:25	16
625	11/11/2016	3:26	16
626	11/11/2016	3:27	15
627	11/11/2016	3:28	16
628	11/11/2016	3:29	15
629	11/11/2016	3:30	15
630	11/11/2016	3:31	16
631	11/11/2016	3:32	15
632	11/11/2016	3:33	16
633	11/11/2016	3:34	15
634	11/11/2016	3:35	15
635	11/11/2016	3:36	15
636	11/11/2016	3:37	16
637	11/11/2016	3:38	15
638	11/11/2016	3:39	15
639	11/11/2016	3:40	16
640	11/11/2016	3:41	16
641	11/11/2016	3:42	15
642	11/11/2016	3:43	15
643	11/11/2016	3:44	15
644	11/11/2016	3:45	16
645	11/11/2016	3:46	16
646	11/11/2016	3:47	16
647	11/11/2016	3:48	15
648	11/11/2016	3:49	16
649	11/11/2016	3:50	16
650	11/11/2016	3:51	15

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
651	11/11/2016	3:52	15
652	11/11/2016	3:53	15
653	11/11/2016	3:54	15
654	11/11/2016	3:55	15
655	11/11/2016	3:56	15
656	11/11/2016	3:57	15
657	11/11/2016	3:58	15
658	11/11/2016	3:59	15
659	11/11/2016	4:00	15
660	11/11/2016	4:01	15
661	11/11/2016	4:02	15
662	11/11/2016	4:03	15
663	11/11/2016	4:04	15
664	11/11/2016	4:05	15
665	11/11/2016	4:06	15
666	11/11/2016	4:07	15
667	11/11/2016	4:08	16
668	11/11/2016	4:09	15
669	11/11/2016	4:10	15
670	11/11/2016	4:11	16
671	11/11/2016	4:12	16
672	11/11/2016	4:13	16
673	11/11/2016	4:14	15
674	11/11/2016	4:15	16
675	11/11/2016	4:16	16
676	11/11/2016	4:17	15
677	11/11/2016	4:18	15
678	11/11/2016	4:19	15
679	11/11/2016	4:20	15
680	11/11/2016	4:21	15
681	11/11/2016	4:22	15
682	11/11/2016	4:23	15
683	11/11/2016	4:24	16
684	11/11/2016	4:25	15
685	11/11/2016	4:26	15
686	11/11/2016	4:27	15
687	11/11/2016	4:28	15
688	11/11/2016	4:29	14
689	11/11/2016	4:30	14
690	11/11/2016	4:31	14
691	11/11/2016	4:32	15
692	11/11/2016	4:33	14
693	11/11/2016	4:34	14
694	11/11/2016	4:35	14
695	11/11/2016	4:36	14
696	11/11/2016	4:37	14
697	11/11/2016	4:38	14
698	11/11/2016	4:39	15
699	11/11/2016	4:40	14
700	11/11/2016	4:41	14

$\mu g/m^3$ - micrograms per cubic meter

Table 10: Station AS016 Particulates Results
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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
701	11/11/2016	4:42	13
702	11/11/2016	4:43	13
703	11/11/2016	4:44	13
704	11/11/2016	4:45	12
705	11/11/2016	4:46	12
706	11/11/2016	4:47	11
707	11/11/2016	4:48	11
708	11/11/2016	4:49	11
709	11/11/2016	4:50	11
710	11/11/2016	4:51	10
711	11/11/2016	4:52	10
712	11/11/2016	4:53	10
713	11/11/2016	4:54	9
714	11/11/2016	4:55	10
715	11/11/2016	4:56	10
716	11/11/2016	4:57	10
717	11/11/2016	4:58	10
718	11/11/2016	4:59	9
719	11/11/2016	5:00	9
720	11/11/2016	5:01	9
721	11/11/2016	5:02	9
722	11/11/2016	5:03	8
723	11/11/2016	5:04	8
724	11/11/2016	5:05	8
725	11/11/2016	5:06	7
726	11/11/2016	5:07	7
727	11/11/2016	5:08	6
728	11/11/2016	5:09	6
729	11/11/2016	5:10	6
730	11/11/2016	5:11	6
731	11/11/2016	5:12	6
732	11/11/2016	5:13	6
733	11/11/2016	5:14	6
734	11/11/2016	5:15	6
735	11/11/2016	5:16	6
736	11/11/2016	5:17	5
737	11/11/2016	5:18	6
738	11/11/2016	5:19	13
739	11/11/2016	5:20	6
740	11/11/2016	5:21	7
741	11/11/2016	5:22	5
742	11/11/2016	9:29	0
743	11/11/2016	9:30	4
744	11/11/2016	9:31	3
745	11/11/2016	9:32	2
746	11/11/2016	9:33	3
747	11/11/2016	9:34	20
748	11/11/2016	9:35	2
749	11/11/2016	9:36	2
750	11/11/2016	9:37	2

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
751	11/11/2016	9:38	2
752	11/11/2016	9:39	3
753	11/11/2016	9:40	3
754	11/11/2016	9:41	3
755	11/11/2016	9:42	3
756	11/11/2016	9:43	3
757	11/11/2016	9:44	3
758	11/11/2016	9:45	3
759	11/11/2016	9:46	3
760	11/11/2016	9:47	3
761	11/11/2016	9:48	2
762	11/11/2016	9:49	2
763	11/11/2016	9:50	2
764	11/11/2016	9:51	3
765	11/11/2016	9:52	3
766	11/11/2016	9:53	3
767	11/11/2016	9:54	2
768	11/11/2016	9:55	2
769	11/11/2016	9:56	2
770	11/11/2016	9:57	1
771	11/11/2016	9:58	2
772	11/11/2016	9:59	2
773	11/11/2016	10:00	2
774	11/11/2016	10:01	2
775	11/11/2016	10:02	3
776	11/11/2016	10:03	2
777	11/11/2016	10:04	2
778	11/11/2016	10:05	2
779	11/11/2016	10:06	2
780	11/11/2016	10:07	2
781	11/11/2016	10:08	3
782	11/11/2016	10:09	3
783	11/11/2016	10:10	5
784	11/11/2016	10:11	5
785	11/11/2016	10:12	4
786	11/11/2016	10:13	3
787	11/11/2016	10:14	3
788	11/11/2016	10:15	3
789	11/11/2016	10:16	3
790	11/11/2016	10:17	3
791	11/11/2016	10:18	3
792	11/11/2016	10:19	3
793	11/11/2016	10:20	3
794	11/11/2016	10:21	3
795	11/11/2016	10:22	3
796	11/11/2016	10:23	3
797	11/11/2016	10:24	3
798	11/11/2016	10:25	4
799	11/11/2016	10:26	4
800	11/11/2016	10:27	4

$\mu g/m^3$ - micrograms per cubic meter

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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
801	11/11/2016	10:28	4
802	11/11/2016	10:29	4
803	11/11/2016	10:30	4
804	11/11/2016	10:31	4
805	11/11/2016	10:32	4
806	11/11/2016	10:33	4
807	11/11/2016	10:34	4
808	11/11/2016	10:35	4
809	11/11/2016	10:36	4
810	11/11/2016	10:37	4
811	11/11/2016	10:38	5
812	11/11/2016	10:39	4
813	11/11/2016	10:40	5
814	11/11/2016	10:41	4
815	11/11/2016	10:42	5
816	11/11/2016	10:43	5
817	11/11/2016	10:44	4
818	11/11/2016	10:45	5
819	11/11/2016	10:46	5
820	11/11/2016	10:47	5
821	11/11/2016	10:48	5
822	11/11/2016	10:49	5
823	11/11/2016	10:50	5
824	11/11/2016	10:51	5
825	11/11/2016	10:52	5
826	11/11/2016	10:53	6
827	11/11/2016	10:54	5
828	11/11/2016	10:55	5
829	11/11/2016	10:56	6
830	11/11/2016	10:57	5
831	11/11/2016	10:58	5
832	11/11/2016	10:59	5
833	11/11/2016	11:00	5
834	11/11/2016	11:01	6
835	11/11/2016	11:02	5
836	11/11/2016	11:03	5
837	11/11/2016	11:04	5
838	11/11/2016	11:05	5
839	11/11/2016	11:06	5
840	11/11/2016	11:07	6
841	11/11/2016	11:08	6
842	11/11/2016	11:09	6
843	11/11/2016	11:10	6
844	11/11/2016	11:11	5
845	11/11/2016	11:12	6
846	11/11/2016	11:13	6
847	11/11/2016	11:14	6
848	11/11/2016	11:15	6
849	11/11/2016	11:16	6
850	11/11/2016	11:17	6

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
851	11/11/2016	11:18	5
852	11/11/2016	11:19	6
853	11/11/2016	11:20	5
854	11/11/2016	11:21	5
855	11/11/2016	11:22	5
856	11/11/2016	11:23	5
857	11/11/2016	11:24	5
858	11/11/2016	11:25	5
859	11/11/2016	11:26	4
860	11/11/2016	11:27	4
861	11/11/2016	11:28	5
862	11/11/2016	11:29	5
863	11/11/2016	11:30	5
864	11/11/2016	11:31	4
865	11/11/2016	11:32	5
866	11/11/2016	11:33	5
867	11/11/2016	11:34	5
868	11/11/2016	11:35	5
869	11/11/2016	11:36	5
870	11/11/2016	11:37	7
871	11/11/2016	11:38	5
872	11/11/2016	11:39	5
873	11/11/2016	11:40	6
874	11/11/2016	11:41	5
875	11/11/2016	11:42	6
876	11/11/2016	11:43	5
877	11/11/2016	11:44	5
878	11/11/2016	11:45	5
879	11/11/2016	11:46	6
880	11/11/2016	11:47	6
881	11/11/2016	11:48	6
882	11/11/2016	11:49	6
883	11/11/2016	11:50	6
884	11/11/2016	11:51	6
885	11/11/2016	11:52	6
886	11/11/2016	11:53	6
887	11/11/2016	11:54	6
888	11/11/2016	11:55	6
889	11/11/2016	11:56	6
890	11/11/2016	11:57	6
891	11/11/2016	11:58	6
892	11/11/2016	11:59	6
893	11/11/2016	12:00	6
894	11/11/2016	12:01	6
895	11/11/2016	12:02	6
896	11/11/2016	12:03	6
897	11/11/2016	12:04	6
898	11/11/2016	12:05	5
899	11/11/2016	12:06	5
900	11/11/2016	12:07	6

$\mu g/m^3$ - micrograms per cubic meter

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Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
901	11/11/2016	12:08	6
902	11/11/2016	12:09	6
903	11/11/2016	12:10	6
904	11/11/2016	12:11	6
905	11/11/2016	12:12	5
906	11/11/2016	12:13	6
907	11/11/2016	12:14	6
908	11/11/2016	12:15	6
909	11/11/2016	12:16	6
910	11/11/2016	12:17	6
911	11/11/2016	12:18	5
912	11/11/2016	12:19	6
913	11/11/2016	12:20	6
914	11/11/2016	12:21	6
915	11/11/2016	12:22	6
916	11/11/2016	12:23	5
917	11/11/2016	12:24	5
918	11/11/2016	12:25	6
919	11/11/2016	12:26	6
920	11/11/2016	12:27	6
921	11/11/2016	12:28	5
922	11/11/2016	12:29	6
923	11/11/2016	12:30	6
924	11/11/2016	12:31	6
925	11/11/2016	12:32	6
926	11/11/2016	12:33	5
927	11/11/2016	12:34	6
928	11/11/2016	12:35	5
929	11/11/2016	12:36	5
930	11/11/2016	12:37	6
931	11/11/2016	12:38	5
932	11/11/2016	12:39	5
933	11/11/2016	12:40	5
934	11/11/2016	12:41	5
935	11/11/2016	12:42	5
936	11/11/2016	12:43	5
937	11/11/2016	12:44	5
938	11/11/2016	12:45	5
939	11/11/2016	12:46	5
940	11/11/2016	12:47	6
941	11/11/2016	12:48	5
942	11/11/2016	12:49	5
943	11/11/2016	12:50	5
944	11/11/2016	12:51	6
945	11/11/2016	12:52	6
946	11/11/2016	12:53	6
947	11/11/2016	12:54	5
948	11/11/2016	12:55	6
949	11/11/2016	12:56	5
950	11/11/2016	12:57	5

Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
951	11/11/2016	12:58	6
952	11/11/2016	12:59	5
953	11/11/2016	13:00	5
954	11/11/2016	13:01	5
955	11/11/2016	13:02	5
956	11/11/2016	13:03	5
957	11/11/2016	13:04	5
958	11/11/2016	13:05	6
959	11/11/2016	13:06	5
960	11/11/2016	13:07	6
961	11/11/2016	13:08	6
962	11/11/2016	13:09	6
963	11/11/2016	13:10	5
964	11/11/2016	13:11	5
965	11/11/2016	13:12	5
966	11/11/2016	13:13	6
967	11/11/2016	13:14	6
968	11/11/2016	13:15	6
969	11/11/2016	13:16	6
970	11/11/2016	13:17	6
971	11/11/2016	13:18	6
972	11/11/2016	13:19	6
973	11/11/2016	13:20	6
974	11/11/2016	13:21	6
975	11/11/2016	13:22	6
976	11/11/2016	13:23	6
977	11/11/2016	13:24	6
978	11/11/2016	13:25	6
979	11/11/2016	13:26	6
980	11/11/2016	13:27	7
981	11/11/2016	13:28	6
982	11/11/2016	13:29	6
983	11/11/2016	13:30	6
984	11/11/2016	13:31	6
985	11/11/2016	13:32	6
986	11/11/2016	13:33	6
987	11/11/2016	13:34	6
988	11/11/2016	13:35	6
989	11/11/2016	13:36	6
990	11/11/2016	13:37	6
991	11/11/2016	13:38	6
992	11/11/2016	13:39	6
993	11/11/2016	13:40	6
994	11/11/2016	13:41	6
995	11/11/2016	13:42	6
996	11/11/2016	13:43	6
997	11/11/2016	13:44	6
998	11/11/2016	13:45	6
999	11/11/2016	13:46	6
1000	11/11/2016	13:47	6

$\mu g/m^3$ - micrograms per cubic meter

Table 10: Station AS016 Particulates Results
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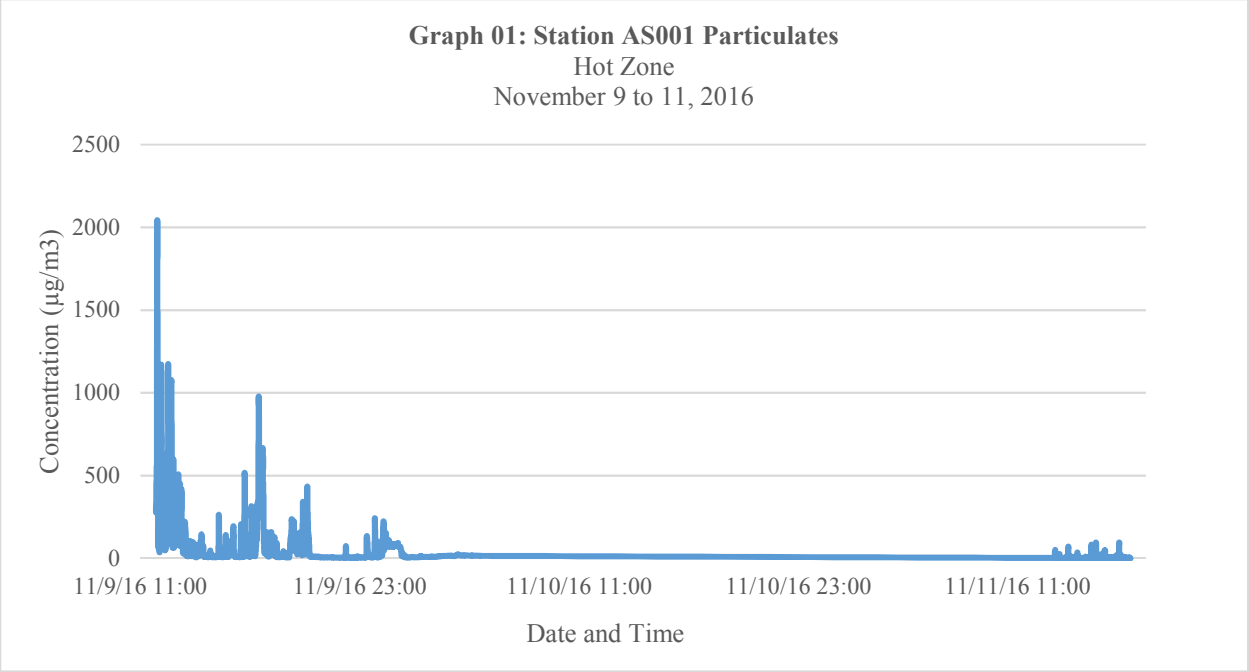
Equipment Run Time (minutes)	Date	Sample Time	Concentration ($\mu g/m^3$)
1001	11/11/2016	13:48	6
1002	11/11/2016	13:49	6
1003	11/11/2016	13:50	6
1004	11/11/2016	13:51	5
1005	11/11/2016	13:52	6
1006	11/11/2016	13:53	7
1007	11/11/2016	13:54	6
1008	11/11/2016	13:55	9
1009	11/11/2016	13:56	6
1010	11/11/2016	13:57	6
1011	11/11/2016	13:58	6
1012	11/11/2016	13:59	6
1013	11/11/2016	14:00	6
1014	11/11/2016	14:01	6
1015	11/11/2016	14:02	5
1016	11/11/2016	14:03	6
1017	11/11/2016	14:04	5
1018	11/11/2016	14:05	6
1019	11/11/2016	14:06	6
1020	11/11/2016	14:07	6
1021	11/11/2016	14:08	5
1022	11/11/2016	14:09	5
1023	11/11/2016	14:10	5
1024	11/11/2016	14:11	6
1025	11/11/2016	14:12	5
1026	11/11/2016	14:13	6
1027	11/11/2016	14:14	5
1028	11/11/2016	14:15	6
1029	11/11/2016	14:16	6
1030	11/11/2016	14:17	6
1031	11/11/2016	14:18	6
1032	11/11/2016	14:19	6
1033	11/11/2016	14:20	6
1034	11/11/2016	14:21	6
1035	11/11/2016	14:22	6
1036	11/11/2016	14:23	6
1037	11/11/2016	14:24	5
1038	11/11/2016	14:25	6
1039	11/11/2016	14:26	6
1040	11/11/2016	14:27	6
1041	11/11/2016	14:28	5
1042	11/11/2016	14:29	6
1043	11/11/2016	14:30	5
1044	11/11/2016	14:31	5
1045	11/11/2016	14:32	6
1046	11/11/2016	14:33	5
1047	11/11/2016	14:34	5
1048	11/11/2016	14:35	5
1049	11/11/2016	14:36	5
1050	11/11/2016	14:37	5
1051	11/11/2016	14:38	5
1052	11/11/2016	14:39	5
1053	11/11/2016	14:40	6
1054	11/11/2016	14:41	6
1055	11/11/2016	14:42	6
1056	11/11/2016	14:43	6
1057	11/11/2016	14:44	5
1058	11/11/2016	14:45	5
1059	11/11/2016	14:46	5
1060	11/11/2016	14:47	5
1061	11/11/2016	14:48	5
1062	11/11/2016	14:49	5
1063	11/11/2016	14:50	5
1064	11/11/2016	14:51	5
1065	11/11/2016	14:52	5
1066	11/11/2016	14:53	5
1067	11/11/2016	14:54	5
1068	11/11/2016	14:55	5
1069	11/11/2016	14:56	5
1070	11/11/2016	14:57	5
1071	11/11/2016	14:58	7
1072	11/11/2016	14:59	5
1073	11/11/2016	15:00	5
1074	11/11/2016	15:01	5
1075	11/11/2016	15:02	5
1076	11/11/2016	15:03	5
1077	11/11/2016	15:04	5
1078	11/11/2016	15:05	6
1079	11/11/2016	15:06	5
1080	11/11/2016	15:07	6
1081	11/11/2016	15:08	8
1082	11/11/2016	15:09	9
1083	11/11/2016	15:10	8
1084	11/11/2016	15:11	7
1085	11/11/2016	15:12	7
1086	11/11/2016	15:13	6
1087	11/11/2016	15:14	6

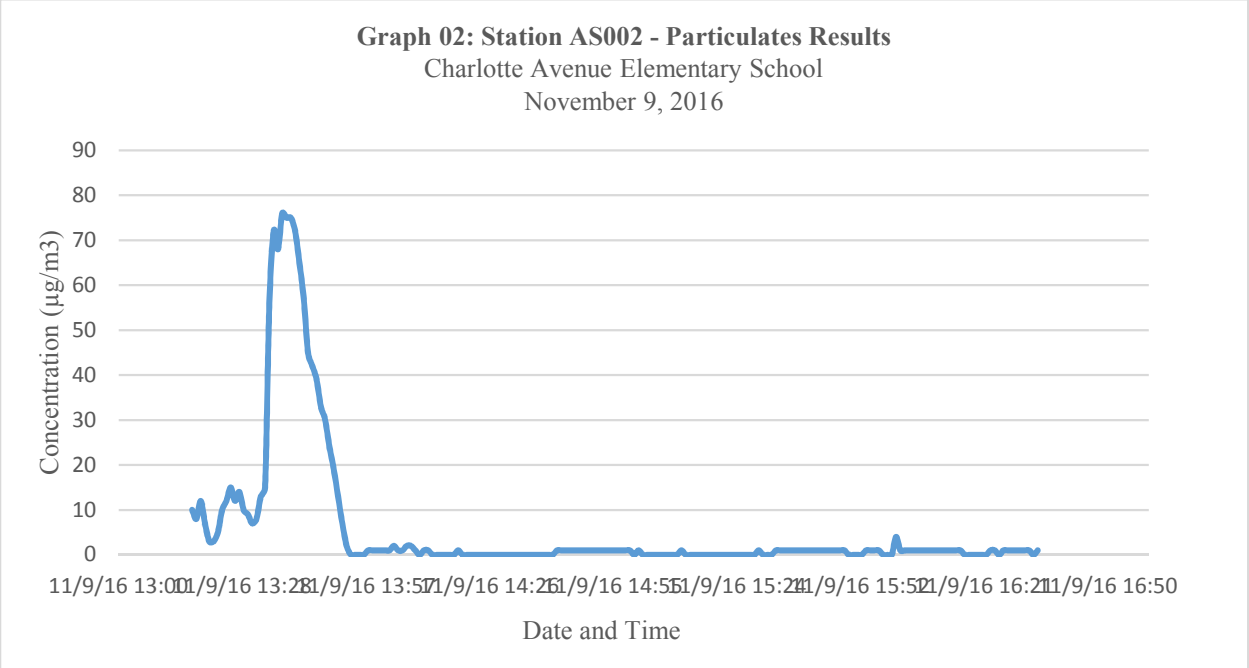
$\mu g/m^3$ - micrograms per cubic meter

ATTACHMENT C

Graphs

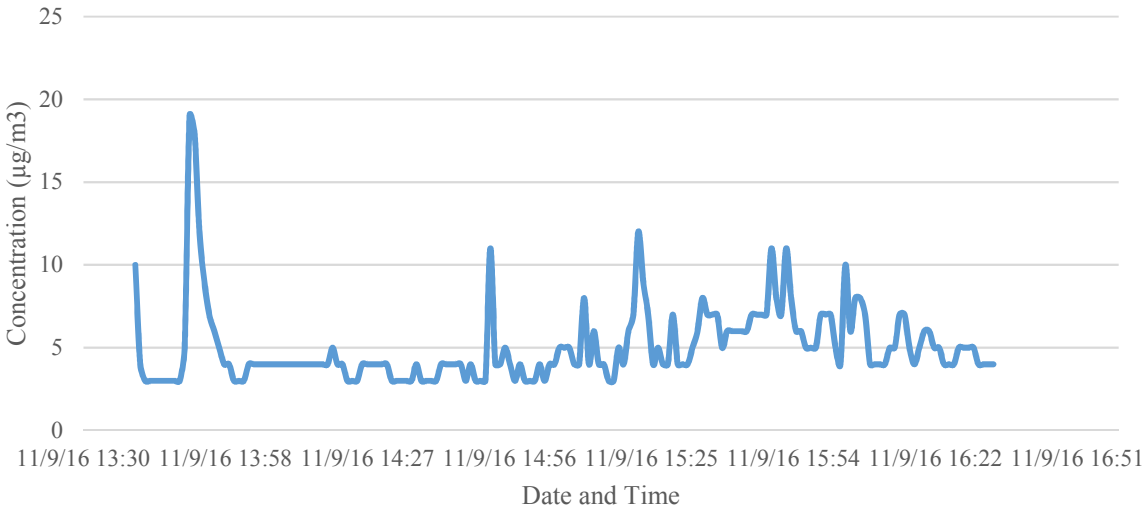
Particulates Results Graphs
Steelworks Industrial Fire Site
Lackawanna, Erie County, New York
November 9 through 11, 2016



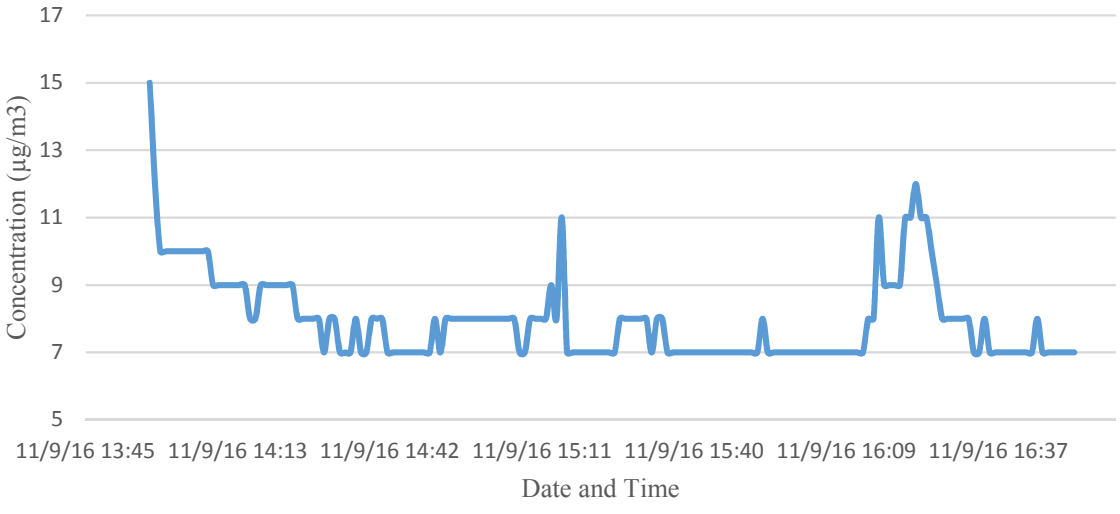


Particulates Results Graphs
Steelworks Industrial Fire Site
Lackawanna, Erie County, New York
November 9 through 11, 2016

Graph 03: Station AS003 - Particulates Results
Union Pleasant Elementary School
November 9, 2016

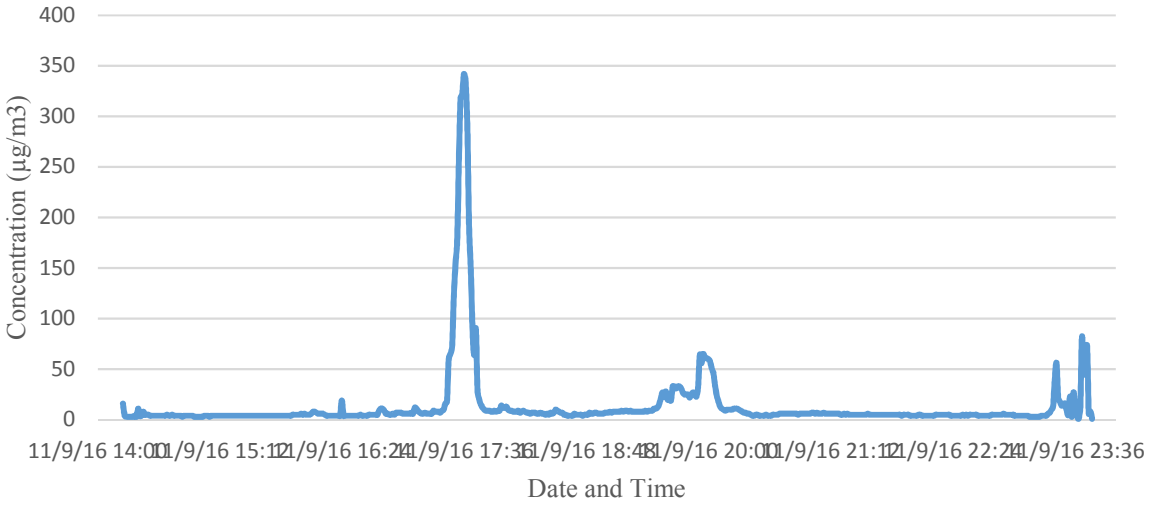


Graph 04: Station AS004 - Particulates Results
Frontier Central High School
November 9, 2016

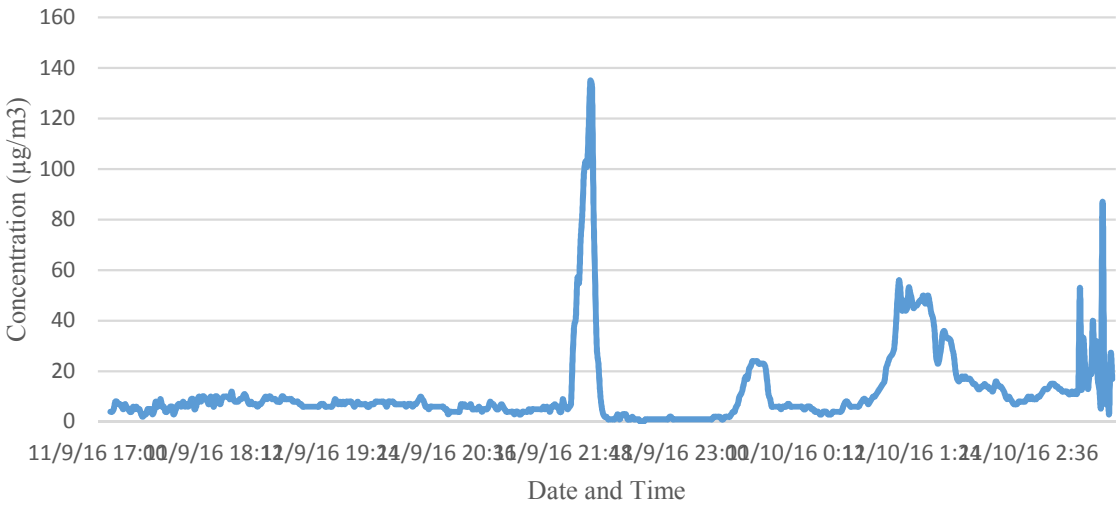


Particulates Results Graphs
Steelworks Industrial Fire Site
Lackawanna, Erie County, New York
November 9 through 11, 2016

Graph 05: Station AS005 - Particulates Results
Woodlawn Fire Department
November 9, 2016

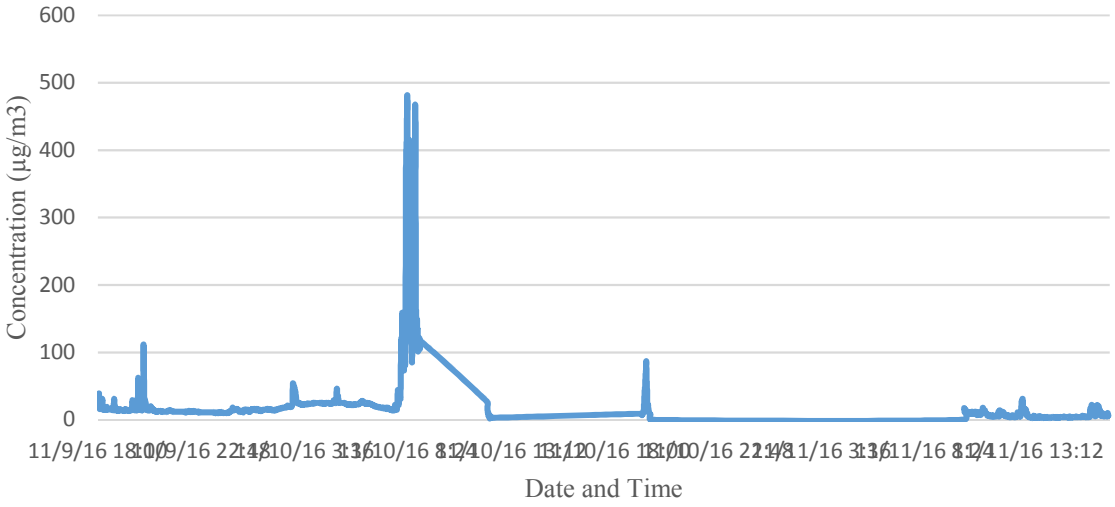


Graph 06: Station AS006 - Particulates Results
McKinley Mall - Bonton
November 9 to 10, 2016

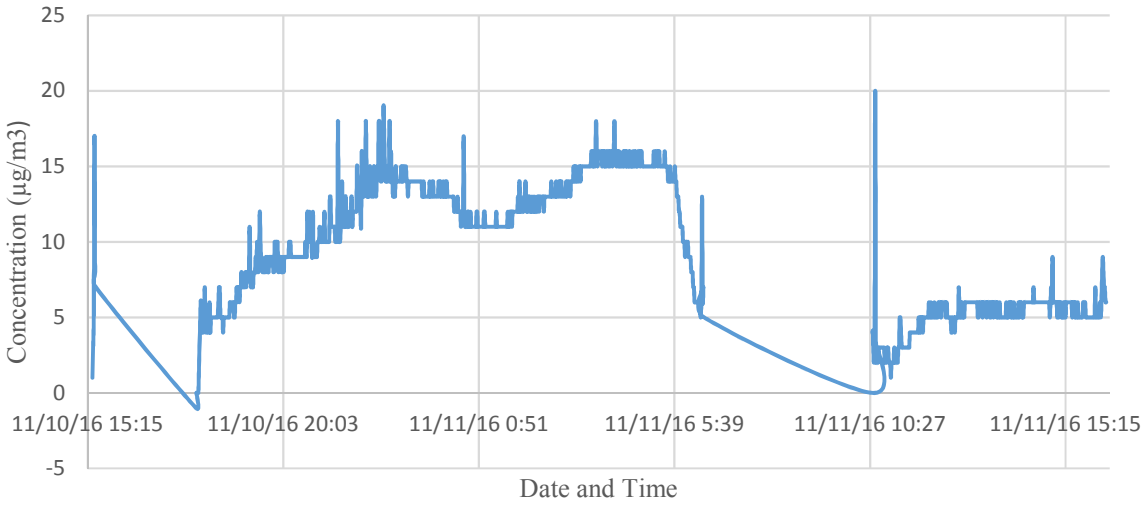


Particulates Results Graphs
Steelworks Industrial Fire Site
Lackawanna, Erie County, New York
November 9 through 11, 2016

Graph 07: Station AS007 - Particulates Results
Lackawanna City Hall
November 9 to 11, 2016

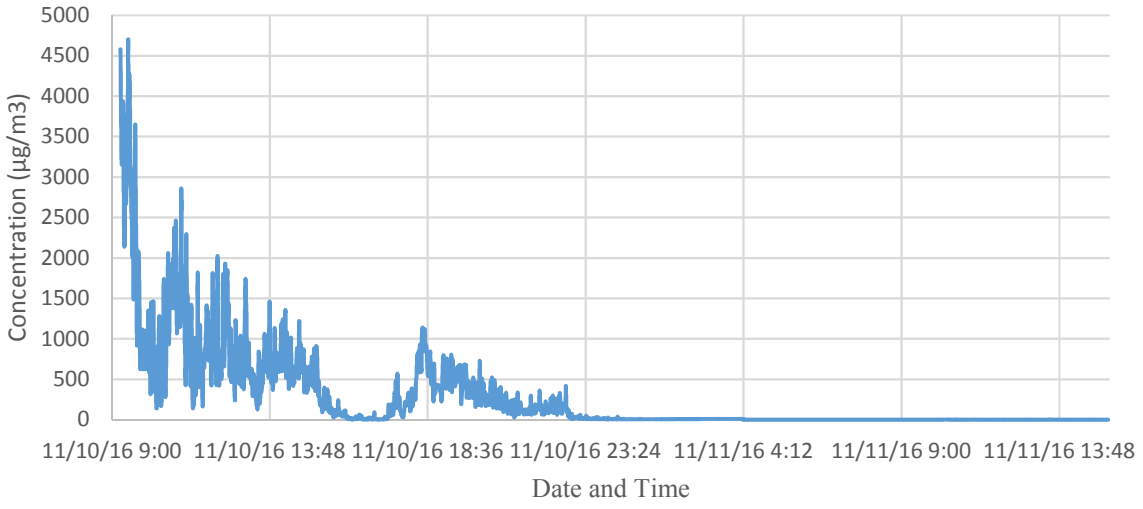


Graph 08: Station AS008 - Particulates Results
Lackawanna 90 Toll Plaza
November 9 to 11, 2016

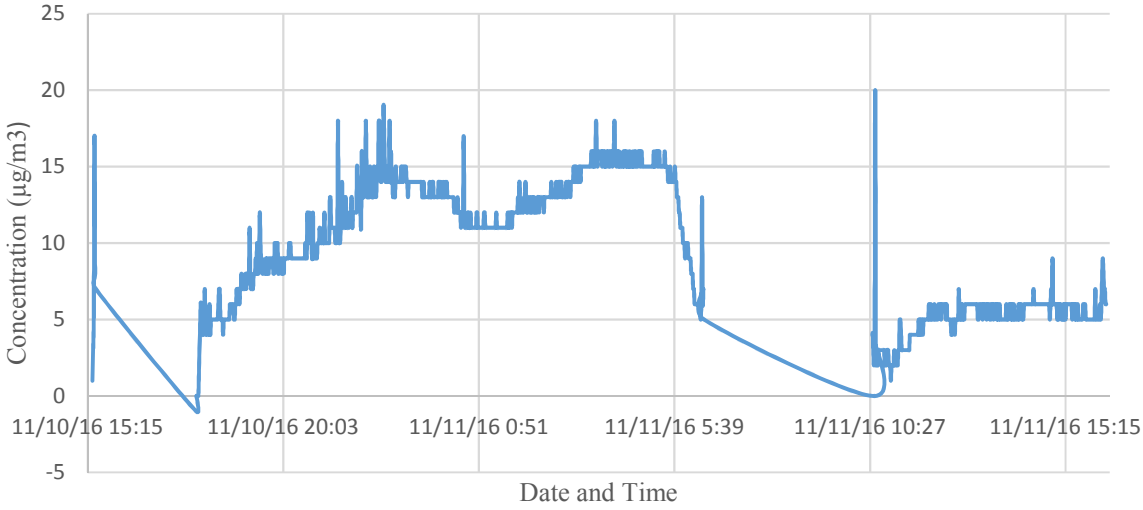


Particulates Results Graphs
Steelworks Industrial Fire Site
Lackawanna, Erie County, New York
November 9 through 11, 2016

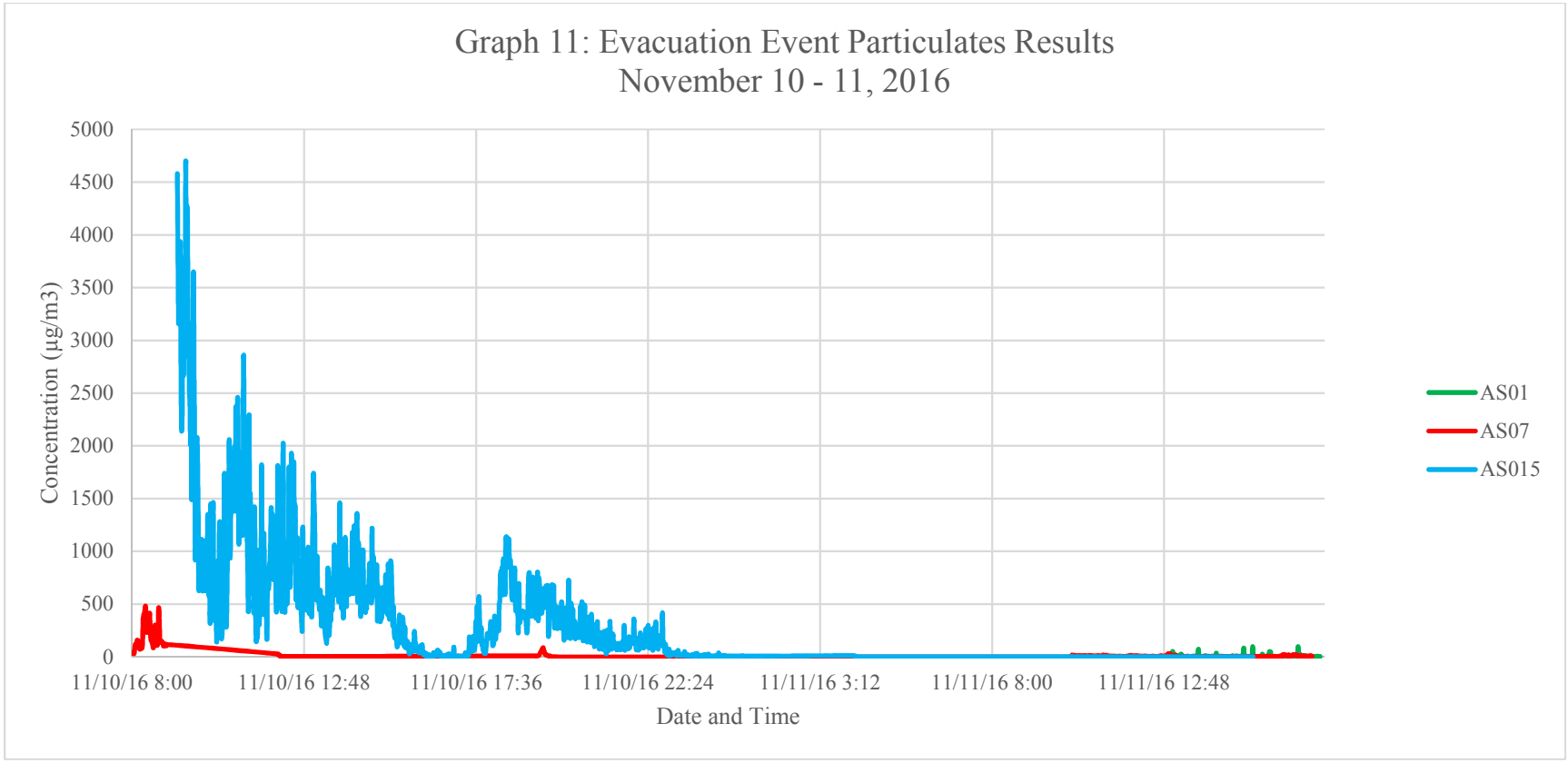
Graph 09: Station AS015 - Particulates Results
Tennis Courts
November 10 to 11, 2016



Graph 10: Station AS016 Particulates
Madison Avenue
November 10 to 11, 2016



Particulates Results Graphs
Steelworks Industrial Fire Site
Lackawanna, Erie County, New York
November 9 through 11, 2016



ATTACHMENT D

Photographic Documentation Logs

Photograph 1: View of industrial fire of steelworks facility facing northeast.

Photograph 2: View of DustTrak at AS001 – Hotzone location.

Photograph 3: View of Steelworks Industrial Fire from Lackawanna City Hall, Station AS008.

Photograph 4: View of Steelworks Industrial Fire from McKinley Mall, Station AS006.

Photograph 5: View of Station AS018, north of the Steelworks Industrial Fire.

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Photograph 6: View of Station AS015, north of the Steelworks Industrial Fire.

Photograph 7: View of Steelworks Industrial Fire from roof of Lackawanna City Hall, Lackawanna, New York on morning of November 11, 2016.

Photograph 8: View of demolition activities in conjunction with firefighting activities at Steelworks Industrial Fire on November 11, 2016.

Photograph 9: View of demolition activities and damage from fire on November 11, 2016.

Photograph 10: View of ash and cinder material on ground next to Steelworks Industrial Fire Site.

ATTACHMENT E

ERT/SERAS Air Monitoring Report

Lockheed Martin
Scientific, Engineering, Response and Analytical Services
2890 Woodbridge Ave, Building 209 Annex
Edison, NJ 08837-3679
Telephone: 732-321-4200 Facsimile: 732-494-4021

DATE: January 3, 2017

TO: Michael Hoppe, U.S. EPA/ERT Work Assignment Manager

THROUGH: Kevin Taylor, SERAS Program Manager

FROM: Philip Solinski, SERAS Task Leader

SUBJECT: STEELWORKS INDUSTRIAL FIRE
LACKAWANNA, NEW YORK – WA SERAS-320 - TRIP REPORT

BACKGROUND

A fire engulfed a warehouse that contained a number of businesses in the early morning of November 9, 2016, requiring residents to shelter in place and the closing of local roads in the vicinity. Residents in close proximity to where the fire broke out were required to evacuate their homes. The fire began just before 0715 at 2801 Hamburg Turnpike in Lackawanna, New York (NY). There were various types of companies that were housed in the warehouse including plastic recycling, steel coil storage, boats, recreational vehicles, and small palletized items.

The United States (U.S.) Environmental Protection Agency (EPA) Region II On-Scene Coordinator (OSC) was the first to respond and initiate air monitoring at the request of local and state officials. The EPA/Environmental Response Team (ERT) was requested by EPA Region II to perform air sampling and monitoring. All of the initial work was carried out under the Emergency Response Work Assignment (WA) 0-001 and was later transferred to this site specific WA.

OBSERVATIONS AND ACTIVITIES

Equipment and technical support to conduct continuous air monitoring for total particulates, volatile organic compounds (VOCs), nitric oxide (NO), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), carbon monoxide (CO) and hydrogen cyanide (HCN) were deployed on site. In addition, ambient air sampling for polynuclear aromatic hydrocarbons (PAHs), metals and inorganic acids was conducted using personal sampling pumps (SKC).

Particulate monitoring was performed using the Thermo Scientific DataRAM 4 Particulate Monitor (DataRAM). Toxic gas monitoring was performed for VOCs, NO, NO_2, SO_2 and CO using RAE Systems AreaRAE monitors and for HCN using Honeywell SPM Flex® Single Point Monitors (Flex).

All air monitoring instrumentation was connected to ERT's wireless data acquisition system (VIPER). This allowed EPA Region II, EPA/ ERT, and Scientific, Engineering, Response and Analytical Services (SERAS) personnel to remotely access air monitoring data in real time from multiple locations. SERAS personnel utilized the VIPER data acquisition management system to generate real-time time-weighted averages for the monitored compounds to assist EPA Region II/ERT with the decision making process.

Seven fixed monitoring locations were deployed; all locations were selected in consultation with EPA/ERT. AreaRAEs were deployed at all seven monitoring locations, DataRAMs were used at five, and SPM Flex units at two. These fixed monitoring locations were based on wind direction and/or other factors deemed to be relevant to health, safety of the

public and emergency responders. The monitoring event began on November 10, 2016 and was completed on November 11, 2016. The sampling event began and ended on November 10, 2016. Sampling locations coincided with the monitoring locations. Monitoring equipment from Location AS004 was moved at approximately 1030 to the AB Courts location on November 10, 2016 to be in closer vicinity of the downwind smoke plume. Figure 1 depicts the air monitoring and sampling locations. Appendix A contains VIPER Work Sheets and field notes taken by SERAS personnel during onsite activities throughout the air monitoring event.

AIR MONITORING

Air monitoring began on November 10, 2016 at around 0400 and continued through November 11, 2016 to approximately 1700. Air monitoring for particulates was performed utilizing a DataRAM 4, a particulate monitor which continuously monitors the real-time concentration of airborne dust, smoke, mists and fumes. The DataRAM 4 covers a measurement range from 1 microgram per cubic meter ($\mu g/m^3$) to 400 milligrams per cubic meter (mg/m^3). The instrument was configured with the omni-directional sampling attachment to account for wind variation.

Air monitoring for VOCs was performed utilizing AreaRAE monitors, manufactured by RAE Systems. The AreaRAE is an active portable gas multi-sensor monitor designed to provide continuous air monitoring in hazardous environments. A photo-ionization detector (PID) was used to detect organic vapors using a 10.6 eV (electron volts) lamp. The unit can detect trace quantities of volatile organics in the air with a range of 0.1 to 2,000 parts per million (ppm). Three of the AreaRAE units were equipped with a sensor to monitor NO_2 with a range of 0.1 to 20 ppm and CO with a range of 1 to 500 ppm. Four units were equipped with a sensor to monitor for NO with a range of 0.5 to 250 ppm and SO_2 with a range of 0.1 to 20 ppm.

Air monitoring for HCN was performed using an SPM Flex Unit, which utilizes an SPM Flex Chemcassette® tape-based optical gas detector manufactured by Honeywell. SPM Flex monitors for gases that react with the specific Chemcasette tape loaded within the unit. In some cases, additional gas selection may be required using the menu screen on the unit. Two SPM Flex units were equipped with HCN tapes with a range of 0.5 to 30 ppm.

All AreaRAEs, SPM Flex units, and DataRAM 4 monitors were connected to ERT's VIPER data acquisition system. The VIPER system utilizes ERT's VIPER Survey Controller application to manage data collection using Safe Environment Engineering's LifeLine wireless monitoring system. LifeLine is comprised of a Lifeline Interoperable Network Communicator (LINC) which is physically connected to each air monitoring instrument (AreaRAE, SPM Flex, or DataRAM). The LINC connects the instrument to a Gateway via Wi-Fi. The Gateways provided a data connection from Survey Controller to the LINC through internet access using cellular air cards and Wi-Fi, transmitting the monitoring data from the instrument to Survey Controller. The data was presented and archived on the ERT VIPER Deployment Manager website. The regional OSCs and ERT personnel were provided with access to site-specific monitoring data through the VIPER Deployment Manager website.

The Deployment Manger website for this site was monitored by EPA and SERAS personnel while on site to monitor for hardware or software issues. If a hardware or software issue was detected that needed on-site attention, SERAS personnel responded to the issue as quickly as possible. All monitoring units were regularly inspected and calibrated as needed by SERAS field personnel in order to provide a continuous data stream to VIPER. The Region II OSC was provided with access to site-specific monitoring data through the VIPER Deployment Manager website.

Routine maintenance included voltage readings and battery replacement on LINCs, Gateways and AreaRAEs; calibration and replacement of sensors and PID lamps when required; and inspection of water trap filters for obstructions and moisture.

AIR SAMPLING

Ambient air sampling began on November 10, 2016 and concluded on the same day, samples were taken from the breathing zone. There were originally seven sample locations and an additional eighth location (AB Courts) was added by EPA Region II/ERT personnel. A total of 10 PAH samples, including field and lot blanks, were collected for 480-

minute sampling periods for each event. A total of 10 inorganic acids samples, including field and lot blanks, were collected for 400-minute sampling periods for each event. A total of 10 metals samples, including field and lot blanks, were collected for 480-minute sampling periods.

Ambient air sampling and analysis for PAHs was conducted following SERAS SOP #2065, *XAD-2 Tube Sampling in Ambient Air* and SERAS SOP SOP #1817, *Analysis of Polynuclear Aromatic Hydrocarbons (PAHs) in Air by GC/MS*, respectively. The sampling train consisted of a 600-milligram (mg) washed XAD-2 solid sorbent tube with 2-micron (µm), 37-millimeter (mm) Teflon (PTFE) filter connected to a SKC pump. The sampling pump was calibrated to collect approximately 1.0 liter per minute (L/min) of air through the sorbent tube and filter. Sampling was conducted for a 480-minute sampling period.

Ambient air analysis for metals was conducted following NIOSH Method 7303/7000 Mod, *Elements by ICP (Hot Block/HCl/HNO_3 Digestion)*. The sampling train consisted of a 0.8-µm pore size 37-mm mixed cellulose ester (MCE) filter connected to a SKC pump. The sampling pump was calibrated to collect 3.0 L/min of air through the filter for a 480-minute sampling period.

Ambient air analysis for inorganic acids was conducted following NIOSH #7903, *Analysis of Inorganic Acids in Air by Ion Chromatography*. The sampling train consisted of a 600-mg silica gel tube connected to a SKC pump. The sampling pump was calibrated to collect approximately 0.2 L/min of air through the tube for approximately 400-minutes.

After all ambient air samples were collected, all samples were packaged, sampling information was input into SCRIBE® and chains of custody (COC) were printed. The PAH samples were delivered to the SERAS Laboratory in Edison, New Jersey (NJ) for analysis. Metals and inorganic acid samples were shipped to Bureau Veritas in Novi, Michigan for analysis.

Appendix B contains the Air Sampling Work Sheets for the monitoring event.

RESULTS

Tables 1a-1b present the summary of the PAHs sample results at location AB Courts in µg/m^3 and in parts per billion by volume (ppbv). Reported values were estimated. The results from the samples at remaining locations did not reveal any detectable concentrations, and therefore are not included in Table 1a-1b.

Table 2 presents the summary of metals sample results that were detected above the reporting limit in milligrams per cubic meter (mg/m^3). The results for location AS010 detected iron at 0.00073 mg/m^3. At AB Courts antimony was detected at 0.0072 mg/m^3, iron at 0.00097 mg/m^3, lead at 0.00085 mg/m^3 and zinc at 0.001 mg/m^3.

Inorganic acids were not detected in any of the samples.

Appendix C contains the Final Analytical Report for all of the samples collected.

Appendix D contains data from the DataRAM particulate monitoring summary. The highest particulate concentration was located at the AB Courts (Linc 107) which occurred around 1200 on November 10, 2016 with approximately 5,000 µg/m^3. Locations AS010 (Linc 90) and AS009 (Linc 68) experienced similar spikes of particulates around 0545 on November 11, 2016 with approximately 350 µg/m^3.

AreaRAE data measurements did not exceed 2.0 ppm at any location, and for any sensor during the monitoring event. The highest measurement was 2.0 ppm of VOCs at location AS011 (Linc 48), which occurred five times during the deployment. Highest NO concentration was 0.5 ppm at location AB Courts (Linc 104), which occurred at 1108 and again at 1638 on November 10, 2016. NO_2 had the highest concentration of 0.2 ppm at two locations, AS010 (Linc 56) at 0931 on November 10, 2016 and AS014 (Linc 58) multiple occasions during the deployment. The highest concentration of SO_2 was 0.1 ppm at location AS012 (Linc 50), which continued to drift between 0 and 0.1 during the deployment. CO was not detected at any of the AreaRAE monitoring locations. The AreaRAE at AS009 did not transmit

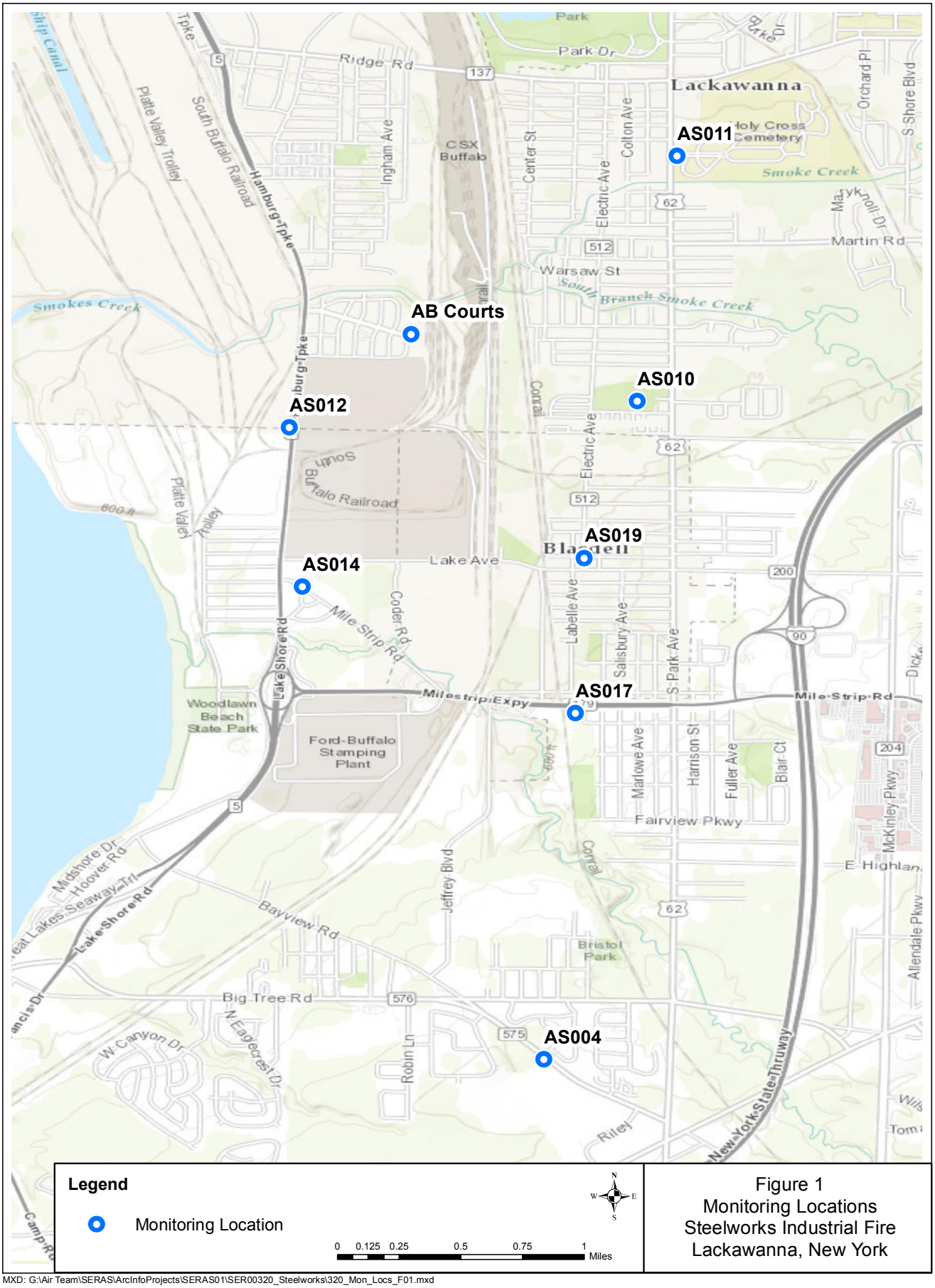
any data until 1237 November 11, 2016 when another AreaRAE was exchanged for the malfunctioning unit.

The SPM Flex for HCN did not detect any concentrations above the detection limit throughout the deployment.

FUTURE ACTIVITIES:

No further activities are anticipated at this time.

cc: Central File WA SER00320 (w/attachments)
Electronic File: I:/Archive/SERAS/0320/D/TR/0320-DTR-010317
Kevin Taylor, SERAS Program Manager (cover page only)



MXD: G:\Air Team\SERAS\ArcInfoProjects\SERAS01\SER00320_Steelworks\320_Mon_Locs_F01.mxd

Table 1a

Summary of PAH Sample Results in ug/m^3 - November 2016

Steelworks Industrial Fire

Lackawanna, NY

January 2017

Sample Number	Reporting Limit	1660
Location		AB Courts
Result Units	ug/m^3	ug/m^3
1-Methylnaphthalene	18.1	1.55 J
2-Methylnaphthalene	18.2	1.9 J
Acenaphthene	18.4	1.22 J
Acenaphthylene	18.6	2.83 J
Benzo(a)anthracene	19.4	1.79 J
Biphenyl	17.9	3.77 J
Chrysene	18.5	2.3 J
Dibenzofuran	18.1	2.1 J
Fluoranthene	18.1	3.02 J
Fluorene	18	1.55 J
Naphthalene	18	16.5 J
Phenanthrene	17.6	7.76 J
Pyrene	18.1	2.5 J

Notes and Acronyms:

ug/m^3=Micrograms per cubic meter

J=Value is estimated

Table 1b
Summary of PAH Sample Results in ppbv - November 2016
Steelworks Industrial Fire
Lackawanna, NY
January 2017

Sample Number	Reporting Limit	1660	
Location		AB Courts	
Result Units	ppbv	ppbv	
1-Methylnaphthalene	3.11	0.267	J
2-Methylnaphthalene	3.14	0.326	J
Acenaphthene	2.92	0.193	J
Acenaphthylene	3	0.455	J
Benzo(a)anthracene	2.08	0.191	J
Biphenyl	2.84	0.597	J
Chrysene	1.98	0.247	J
Dibenzofuran	2.63	0.305	J
Fluoranthene	2.19	0.365	J
Fluorene	2.65	0.228	J
Naphthalene	3.44	3.14	J
Phenanthrene	2.42	1.06	J
Pyrene	2.19	0.302	J

Notes and Acronyms:

ppbv = parts per billion by volume

J=Value is estimated

Table 2

Summary of Metal Sample Results in mg/m^3 - November 2016

Steelworks Industrial Fire

Lackawanna, NY

January 2017

Sample Number	Reporting Limit	1638	1659
Location		AS010	AB Courts
Result Units	mg/m^3	mg/m^3	mg/m^3
Antimony	0.00071	ND	0.0072
Iron	0.00071	0.00073* J+	0.00097 J+
Lead	0.00071	ND	0.00085
Zinc	0.00071	ND	0.001 J+

Notes and Acronyms:

* = Reporting limit is 0.00069

mg/m^3=Milligrams per cubic meter

J+=Value is estimated high

APPENDIX A
Viper Work Sheets and Field Notes
Steelworks Industrial Fire
Lackawanna, NY
January 2017

EPA/Environmental Response Team
Scientific, Engineering, Response and Analytical Services
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Viper Work Sheet

Site: Lackawanna Fire
WA# 320
Sampler: Youssfan & Volker
U.S. EPA/ERT WAM: Hoppe
Date: 11/10/16
SERAS Task Leader: P. Solinski

Gateway#/ SSID	Legacy (Y/N)	Mesh # (Y/N)	LNC #	Fixed/ Mobile	Instrument	Location /Sensors/Power/Notes
17 Power-Solar	N-GOAL	N	146 73 50	F	SPM DR AR-24	AS013 - CP Hamberg NO/SO2, SPM-HCN
2	N	N	58	F	AR-15	AS015 - ~~Cemetery~~ CO/NO2
9 Power-	N-Marine	N	68 94	F	DR AR-9	AS010 NO/SO2
18 Power-	N-GOAL	N	147 90 56	F	SPM DR AR-33	AS011 - TRAILERS ~~NO/SO2~~, SPM(HCN), CO/NO2
49	N	N	48	F	AR-10	AS012 - Cemetery NO/SO2
57	N	N	119 124	F	DR AR-16	AS014 - Electric Station CO/NO2
6 Power AE	N	N	104 107	F	AR DR	AS004 - UTILITY NO/SO2 10:21 11/10/16 THEN MOVED TO AB COURTS

LOCATIONS CHANGED TO MATCH LIST
AS012
AS014
AS009
AS010
AS011
AS017

Notes: See sheet
- 1500 Began to demob @ locations began one at a time did not stop VM.
- 1433 certain location meter apps froze for a while but were still collecting samples.

EPA/Environmental Response Team
Scientific, Engineering, Response and Analytical Services
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Viper Work Sheet

Site: Lackawanna Fire

WA# 320

Sampler: Youssfan & Volker

U.S. EPA/ERT WAM: M. Hoppe

Date: 11/10/16

SERAS Task Leader: P. Solinski

Gateway#/ SSID	Legacy (Y/N)	Mesh # (Y/N)	LNC #	Fixed/ Mobile	Instrument	Location /Sensors/Power/Notes
17 Power	N	N	146 73 50	F	SPM DR AR-24	AS013 42.8055 -78.8463 NO/SO2, SPM(HCN)
2	N	N	58	F	AR-15	AS015 42.7963 -78.8457 NO2/CO
9 Power	N	N	68 94	F	DR AR-9	AS010 42.7978 -78.8290 NO/SO2
18 ~~NE~~ power (gas/zero)	N	N	147 90 56	F	SPM DR AR-33 NP	AS011 - TRAILER 42.8070 -78.8275 CO/NO2, SPM-HCN
49 NO power	NN	N	48	F	AR-10	AS012 42.8214 -78.8236 NO/SO2
57 NO power	N	N	~~HKL~~ 119 124	F	~~SPM~~ DR AR-16	AS014 - Electric Station 42.7845 -78.8287 CO/NO2 /0 xg
6	N	N	104 107	F	AR DR	AS004 42.7685 -78.8314

Notes:

AMADORI (~~Gun~~ Courts) @ 1045am

R12 - Change LNC battery (AR) @ 1417/AR ~~Batt.~~ 11/10/16

R11 - Chang LNC BAT ALL 3 LNCS (Flex, DR/AR) @ 1445

R10 - Change LNC BAT DR/AR @ 1308

R14 - Dead Gateway Change LNC BAT DR/AR FOR now.

AR13 - GOAL ZERO OFF - Instruments fell down, changed all LNC batteries AR/Flex/DR OK now.

AS013 - Location at command post went down 0910 changed all Lincs AR/DR, and added solar panel.

AS010 - Change Linc Batteries DR/AR, AR unit ID was wrong. It was 9, so I changed it to 1. Baud rate was also wrong 38400 changed to 19200. Still won't work.

AS011 - Changed AR 58 Linc Battery at 1132 near trailer park.

AS013 - DR was on floor, fixed Linc TB reboot back up.

AS011 - Changed marine battery and both Linc batteries by 11/9/24 @

AS010 - Changed areaRAE unit was bad @ 1230.

AS004 Battery for DataRAM dead. Plug wasn't in properly 1300.

AS012 changed AR/Linc 48 battery 1400.

AS011 Changed AR/Linc Battery 56

AS014 - DR having issues, AS004 rebooted Linc was not pushing data.

11/10/16 - 1330 Shift

ASO12 - Changed Lunc Bat AR 48 / AR unit 10 Batt - 1417

ASO11 - Changed Lunc Bat Flex 147, DR90, AR33 1445

ASO10 - Changed Lunc Bat DR 68, AR 94 @ 1508

ARO14 - Changed Lunc Bat Dr 119, AR 124 @ 1525
But Gateway is dead SO shut down all units

ARO13 - GOAL ZERO was off Gateway / Flex dead, could not access location at first. Changed all Lunc Batteries SAM Flex 146, DR-73, AR-50 got everything back up 1550. All units were on the floor knocked over by wind. AR handle is broken.

ARO04 - Placed on power @ 1645 had to change Lunc AR 104 (Lunc 71) d/t power back issues. All on charge in building.

ARO12 - Tried to get to run on marine, instrument has been down d/t dead gateway. Back up @ 1740 but issues charging Gateway.

ASO10 - Changed AR/DR Line Batteries.

ASO12 - Changed Line Batt / area RAE batt added goal zero to charge gateway 2126

1900-1945 - Changed to Gatway 18 from Gatway 57, started on VM33, got AR back up DR - tried new cable, Lunc, & didn't work.

+ Went to Location 2135 A5013 added SPM Flex Linc to GOAL Zero, plugged in new goal zero. Changed Ak/DR Lines.

* Went to A5015 Changed Linc at Location @ 2205.

- Went to Location A5011 added SPM Flex To goal zero, changed goal zero box. 2215.

11/11/16

259am Bocci counts Linc 104, 124, 52 all STOPPED
Mons quit ~ 505am
Linc Reset @ 104 Bocci counts

134am Linc 119 + 124 Batteries Replaced

157am Linc 48 Battery Replace - No con

213am Linc 146 (Flex) Battery Replace

230am Goal Zero swapped out at A5013 Batt 17 Lincs 146 73 50

341 Goal Zero A5011 replaced (Trailer Linc 90 + Linc 52 Battery Replaced

358 Linc 58 Battery Replaced

545 Linc 73 Battery Replaced

600-621 A5014 Marine Battery Power Supplied To Station 119 still No Com

625-644 A5012 ~~Marine Battery~~ Goal Zero 400 Power Supplied To Station Goal Zero 150 Down

73/104/107 - down 1236 AS004

*146/73/50 - AS013 -- AS013

119 DR AS014

608 AS010

7/23

Plug in Flex Lines
- Use USB -

DR.119 0.00 BAD ~~DATA~~ ~~AS014~~

~~.73 NDA DR ND~~

~~.50 AR~~

.94 ND AR AS010

APPENDIX B
Air Sampling Work Sheets
Steelworks Industrial Fire
Lackawanna, NY
January 2017

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: BETHLEHEM STEEL LACKAWANNA, NY WA#: 84001

Sampler: SOLENSKI / SIMONETTI U.S. EPA/ERTC WAM: HOPE

Date: 11/10/16 SERAS Task Leader: SOLENSKI

Sample #	01631	01632	01633		
Location	AS013	→	→		
Pump #	337	385	357		
Media	2 mg XAD 20 um PTFE	0.8 um MCEF	SILICA		
Analysis/Method	PAH	METAL	-1-		
Rotameter	NP	NP	6022		
Time/Counter (Start)	0 / 241	0 / 241	0 / 241		
Time/Counter (Stop)	/	/	/		
Total Time	480	480	400		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start) lpm	1	3	0.2		
Flow Rate (End)	0.9	3	0.2		
Flow Rate Average	0.95	3	0.2		
Sample Volume	456	1440	80		

MET Station on Site?: Y / N

226-30-02 XAD 2 LOT # 5110 225-1713 LOT # 12737-TDC-221
226-10-03 LOT # 9020 225-03-01 LOT # 16169-TEO-020

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: BETH STEEL CAUCAUNNA NJ WA#: 84001

Sampler: SOLINSKI / SIMONETTI U.S. EPA/ERTC WAM: HOOPE

Date: 11/10/16 SERAS Task Leader: SOLINSKI

Sample #	01634	01635	01636		
Location	AS015	→	→		
Pump #	87	396	105		
Media	PAH	METAL	IA		
Analysis/Method	600mg/VAD 2.0um PTFE	0.8um MCEF	SILICA		
Rotameter	MP	MP	6072		
Time/Counter (Start)	0 307	0 307	0 307		
Time/Counter (Stop)					
Total Time	480	480	480		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start) cfm	1	3	0.2		
Flow Rate (End)	1	3.1	0.2		
Flow Rate Average	1	3.05	0.2		
Sample Volume	480	1464	80		

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: BETHLEHEM STEEL LACKAWANA, NY WA#: 84301

Sampler: SOLANIK / SIMONELLI U.S. EPA/ERTC WAM: HOPPE

Date: 11/10/16 SERAS Task Leader: SOLANIK

Sample #	01637	01638	01639		
Location	AS010	→	→		
Pump #	222	115	353		
Media	600mg (KA) 2-um PTFE	0.8um MCEF	SILICA GEL		
Analysis/Method	PAHs	METALS	IA		
Rotameter	MP	MP	6022		
Time/Counter (Start)	0323	0327	0323		
Time/Counter (Stop)	/	/	/		
Total Time	480	480	400		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	3	0.2		
Flow Rate (End)	1	3	0.2		
Flow Rate Average	1	3	0.2		
Sample Volume	480	1440	80		

MET Station on Site?: Y / N

MIRAN + ELECTRIC

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: BETHLEHEM STEEL LACKAWANNA WA#: 84001

Sampler: SOLINSKI / SIMONETTI U.S. EPA/ERTC WAM: HOPE

Date: 11/10/16 SERAS Task Leader: SOLINSKI

Sample #	01640	01641	01642		
Location	AS012	→	→		
Pump #	451	219	98		
Media	PAH	METALS	IA		
Analysis/Method	Loose XAD2 2 Lay PTFE	OSHA/NIOSH	SILICA GEL		
Rotameter	MP	MP	SILICA GEL		
Time/Counter (Start)	0 / 414	0 / 414	0 / 414		
Time/Counter (Stop)	/	/	/		
Total Time	480	480	400		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	3	0.2		
Flow Rate (End)	1	3	0.19		
Flow Rate Average					
Sample Volume					

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: BETHLEHEM STEEL LACKAWANNA, NY WA#: 84/001

Sampler: SOLINSKI / SIMONETTI U.S. EPA/ERTC WAM: MOORE

Date: 11/10/16 SERAS Task Leader: SOLINSKI

Sample #	01643	01644	01645		
Location	A5011	→	→		
Pump #	418	380	138		
Media	60 mg XAD2 20 um PTFE	0.8 um MCE	SILICA GEL		
Analysis/Method	PAH	METALS	IA		
Rotameter	MP	MP	6022		
Time/Counter (Start)	0 / 343	0 / 543	0 / 343		
Time/Counter (Stop)	/	/	/		
Total Time	498	480	400		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	3	0.2		
Flow Rate (End)	1	3	0.2		
Flow Rate Average	1	3	0.2		
Sample Volume	498	1440	480		

MET Station on Site?: Y / N

NOT PLACED

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: BETHLEHEM STEEL WA#: 84001

Sampler: SOLENSKI / SIMONETTI U.S. EPA/ERTC WAM: HOOPER

Date: 11/10/16 SERAS Task Leader: SOLENSKI

Sample #	01646	01647	01648		
Location	AS014	→	→		
Pump #	394	126	506		
Media	600 mg XAD2				
Analysis/Method	PAH	METALS	IA		
Rotameter	MP	MP	6022		
Time/Counter (Start)	0 457	0 457	0 457		
Time/Counter (Stop)					
Total Time	480	480	~~480~~ 600		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start) lpm	~~0~~ 1	3	0.2		
Flow Rate (End)	1	3	0.21		
Flow Rate Average	1	3	0.205		
Sample Volume					

MET Station on Site?: Y / N

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: BETHLEHEM STEEL, LACKAWANNA, NY WA#: 84001

Sampler: SOLINSKI / SIMONETTI U.S. EPA/ERTC WAM: MCGRANE

Date: 11/10/16 SERAS Task Leader: SOLINSKI

Sample #	01649	01650	01651		
Location	AS004	→	→		
Pump #	110	319	529		
Media	600 mg XAD2 2.0 in MCEF	08 in MCEF	SILICACEL		
Analysis/Method	PAH	METALS	IA		
Rotameter	MP	MP	6022		
Time/Counter (Start)	0 / 525	0 / 525	0 / 525		
Time/Counter (Stop)					
Total Time	480	480	400		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	3	0.2		
Flow Rate (End)	1	3.1	0.2		
Flow Rate Average	1	3.05	0.2		
Sample Volume					

MET Station on Site?: Y / N

LOT BLANKS
PAH → 01652
METALS → 01653
ING ACIDS → 01654
@530

NEAR TELEPHONE POLE LIGHT

FIELD BLANKS
PAH → 01655 @534
METALS 01656
ING ACIDS 01657

Page ____ of

EPA/Environmental Response Team
Scientific Engineering Response and Analytical Services Contract
Air Sampling Work Sheet
Lockheed Martin Corp., Edison, NJ
U.S. EPA Contract No. EP-W-09-031

Site: LACKAWANNA FERR WA#: ~~300~~ 320

Sampler: SOLENSKI & VOLKER U.S. EPA/ERTC WAM: M. HOPPE

Date: 11/10/16 SERAS Task Leader: P. SOLENSKI

Sample #	01660	01659	01658		
Location	4 B Courts →				
Pump #	352	45	346		
Media	600mg XAD 20um PTFE	0.8um MCEF	SILICA GEL		
Analysis/Method	PAH	METAL	VA		
Rotameter	MP	MP	6022		
Time/Counter (Start)	~~1054~~	~~1054~~	~~1054~~		
Time/Counter (Stop)					
Total Time	480	480	~~480~~ 1200		
Pump Fault	Y / N	Y / N	Y / N	Y / N	Y / N
Flow Rate (Start)	1	3	0.2		
Flow Rate (End)	1.1	2.9	0.18		
Flow Rate Average					
Sample Volume					

MET Station on Site?: Y / N

AMADORI COURTS

APPENDIX C
Final Analytical Report
Steelworks Industrial Fire
Lackawanna, NY
January 2017

ANALYTICAL REPORT

Prepared by
Lockheed Martin Information Systems and Global Services/Environmental Services
Scientific, Engineering, Response and Analytical Services

Bethlehem Steel (Steel Works) Fire
Lackawanna, NY

December 2016

EPA Work Assignment No. SERAS-320
LOCKHEED MARTIN Work Order SER00320
EPA Contract No. EP-W-09-031

Submitted to
M. Hoppe
EPA-ERT
2890 Woodbridge Avenue
Edison NJ 08837

12/20/16
D. Killeen — Date
QA/QC Officer

12/20/16
K. Taylor — Date
Program Manager

Analysis by:
ERT/SERAS
Bureau Veritas

Prepared by:/Validated by:
S. Capil/R. Varsolona, S.Capil

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Case Narrative
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Appendices will be furnished on request.

Environmental Response Team/Scientific Engineering, Response and Analytical Services
2890 Woodbridge Avenue, Building 209 Annex
Edison NJ 08837

TESTING LABORATORIES INFORMATION

Analysis of Polynuclear Aromatic Hydrocarbons in Air by SERAS SOP # 1817 "*Analysis of Polynuclear Aromatic Hydrocarbons (PAHs) in Air by GC/MS"*

Analysis of Metals in Air by NIOSH Method 7303/7300 Mod *"Elements by ICP (Hot Block/HCl/HNO3 Digestion)"*

Analysis of Inorganic Acids in Air by NIOSH Method 7903 *"Analysis of Inorganic Acids in Air by Ion Chromatography"*

Bureau Veritas
22345 Roethal Drive
Novi, MI 48375

ERT/SERAS Laboratory
2890 Woodbridge Avenue
Edison, NJ 08837

All analyses were performed according to our NELAP-approved quality assurance program. The test results meet the requirements of the current NELAP standards, where applicable, except as noted in the laboratory case narrative provided. Results are intended to be considered in their entirety and apply only to those analyzed and reported herein.

NELAP accreditation is not available for the NIOSH methods used by ERT/SERAS Laboratory and Bureau Veritas for PAH, metals and inorganic acids in air.

REPORT OF LABORATORY ANALYSIS
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Detailed Sample Information

SERAS Sample #	Field Sample #
R611001-01	1631
R611001-02	1634
R611001-03	1637
R611001-04	1640
R611001-05	1643
R611001-06	1646
R611001-07	1649
R611001-08	1652
R611001-09	1655
R611001-10	1660

Bureau Veritas Laboratory Number	Field Sample #
16110806-001	1633
16110806-002	1636
16110806-003	1639
16110806-004	1642
16110806-005	1645
16110806-006	1648
16110806-007	1651
16110806-009	1657
16110806-010	1658
16110809-001	1632
16110809-002	1635
16110809-003	1638
16110809-004	1641
16110809-005	1644
16110809-006	1647
16110809-007	1650
16110809-008	1656
16110809-009	1659

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2890 Woodbridge Avenue, Building 209 Annex
Edison NJ 08837

Introduction

SERAS personnel, in response to WA# SERAS-320, provided analytical support for environmental samples collected from the Bethlehem Steel (Steel Works) Fire in Lackawanna, NY as described in the following table. The support also included QA/QC, data review and preparation of an analytical report containing analytical and QA/QC results.

The samples analyzed at SERAS were treated with procedures consistent with those specified in SERAS SOP #1008, *Sample Receiving, Handling and Storage.*

Chain of Custody #	Number of Samples	Sampling Date	Date Received	Date Analyzed	Matrix	Analysis/ Method	Laboratory	Data Package
2-111116-081630-0003	10	11/10/16	11/12/16	11/12/16	Air (tubes)	PAH/SERAS SOP# 1817	ERT/SERAS	AB 108
2-111116-080803-0002	10		11/14/16	11/15/16		Metals/ NIOSH 7303/7300 Mod	Bureau Veritas	AB 117
2-111116-074514-0001	10			11/14/16 through 11/15/16		Inorganic Acids/NIOSH 7903		AB 116

Case Narrative

Sampling was conducted as per the site-specific Quality Assurance Project Plan (QAPP) and analyzed by the analytical methods as stated in the QAPP. The laboratory reported the data to two (Bureau Veritas) or three (ERT/SERAS) significant figures. Any other representation of the data is the responsibility of the user. Data were validated using a Stage 4 validation done manually (S4VM) in accordance with the "Guidance for Labeling Externally Validated Data for Superfund Use." All data validation flags have been inserted into the results tables.

PAH in Air Package AB 108

The data package was examined and found to be acceptable.

Metals in Air Package AB 117

Aluminum, calcium, iron, selenium and zinc were above the percent recovery (%R) criterion for the reporting limit (RL) standard and the RL verification standard. Iron results in sample #1638 and 1659 and zinc results in sample #1659 are qualified estimated high (J+).

Phosphorus was below the %R criterion for the RL standard and the RL verification standard. Phosphorus results in all samples are qualified estimated (UJ).

Inorganic Acids in Air Package AB 116

The data package was examined and found to be acceptable.

The results presented in this report only relate to the samples analyzed. All results are intended to be considered in their entirety. The Environmental Response Team/Scientific, Engineering, Response and Analytical Services laboratory is not responsible for utilization of less than the complete report.

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Summary of Abbreviations

BFB	Bromofluorobenzene
C	Centigrade
CLP	Contract Laboratory Program
COC	Chain of Custody
conc	concentration
cont	continued
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
D	(Surrogate Table) value is from a diluted sample and was not calculated
Dioxin	Polychlorinated dibenzo-p-dioxins (PCDD) and Polychlorinated dibenzofurans (PCDF)
DFTPP	Decafluorotriphenylphosphine
EMPC	Estimated maximum possible concentration
GC/MS	Gas Chromatography/ Mass Spectrometry
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDA	Minimum Detectable Activity
MS (BS)	Matrix Spike (Blank Spike)
MSD (BSD)	Matrix Spike Duplicate (Blank Spike Duplicate)
MW	Molecular Weight
NA	Not Applicable or Not Available
NAD	Normalized Absolute Difference
NC	Not Calculated
NR	Not Requested/Not Reported
NS	Not Spiked
% D	Percent Difference
% REC	Percent Recovery
SOP	Standard Operating Procedure
ppbv	parts per billion by volume
ppm	parts per million
pptv	parts per trillion by volume
PQL	Practical Quantitation Limit
PAL	Performance Acceptance Limit
QA/QC	Quality Assurance/Quality Control
QL	Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
SERAS	Scientific, Engineering, Response and Analytical Services
SIM	Selected Ion Monitoring
Sur	Surrogate
TIC	Tentatively Identified Compound
TCLP	Toxicity Characteristic Leaching Procedure
VOC	Volatile Organic Compound
*	Value exceeds the acceptable QC limits

m^3	cubic meter	g	gram	kg	kilogram	L	liter
µg	microgram	µL	microliter	mg	milligram	mL	milliliter
ng	nanogram	pg	picogram	pCi	picocurie	s	sigma

Data Validation Flags

J	Value is estimated	R	Value is unusable
J+	Value is estimated high (metals only)	U	Not detected
J-	Value is estimated low (metals only)	UJ	Not detected and RL is estimated
N	Presumptively present (Aroclors only)		

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Environmental Response Team/Scientific Engineering, Response and Analytical Services
2890 Woodbridge Avenue, Building 209 Annex
Edison NJ 08837

Table 1.1a Results of the Analysis for PAH (ppbv) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method SERAS SOP #1817

SERAS Sample Number	R611001-08		R611001-01		R611001-02		R611001-03	
Sample Number	1652		1631		1634		1637	
Sampling Location	Lot Blank		AS013		AS015		AS010	
Volume (L)	0		456		480		480	
Analyte	Result µg	RL µg	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv
Naphthalene	U	9.10	U	3.81	U	3.62	U	3.62
2-Methylnaphthalene	U	9.20	U	3.47	U	3.29	U	3.29
1-Methylnaphthalene	U	9.11	U	3.43	U	3.26	U	3.26
Biphenyl	U	9.04	U	3.14	U	2.98	U	2.98
2,6-Dimethylnaphthalene	U	9.11	U	3.13	U	2.97	U	2.97
Acenaphthylene	U	9.39	U	3.31	U	3.15	U	3.15
Acenaphthene	U	9.29	U	3.23	U	3.07	U	3.07
Dibenzofuran	U	9.12	U	2.91	U	2.76	U	2.76
Fluorene	U	9.07	U	2.92	U	2.78	U	2.78
Phenanthrene	U	8.88	U	2.67	U	2.54	U	2.54
Anthracene	U	9.05	U	2.72	U	2.59	U	2.59
Carbazole	U	9.15	U	2.93	U	2.79	U	2.79
Fluoranthene	U	9.12	U	2.42	U	2.30	U	2.30
Pyrene	U	9.14	U	2.42	U	2.30	U	2.30
Benzo(a)anthracene	U	9.78	U	2.30	U	2.18	U	2.18
Chrysene	U	9.31	U	2.19	U	2.08	U	2.08
Benzo(b)fluoranthene	U	10.1	U	2.15	U	2.04	U	2.04
Benzo(k)fluoranthene	U	9.42	U	2.00	U	1.90	U	1.90
Benzo(e)pyrene	U	10.0	U	2.13	U	2.02	U	2.02
Benzo(a)pyrene	U	10.5	U	2.23	U	2.12	U	2.12
Indeno(1,2,3-cd)pyrene	U	10.5	U	2.04	U	1.94	U	1.94
Dibenzo(a,h)anthracene	U	10.5	U	2.02	U	1.92	U	1.92
Benzo(g,h,i)perylene	U	11.0	U	2.13	U	2.03	U	2.03

Table 1.1a (cont) Results of the Analysis for PAH (ppbv) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method SERAS SOP #1817

SERAS Sample Number	R611001-04		R611001-05		R611001-06		R611001-07	
Sample Number	1640		1643		1646		1649	
Sampling Location	AS012		AS011		AS014		AS004	
Volume (L)	480		480		456		480	
Analyte	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv
Naphthalene	U	3.62	U	3.62	U	3.81	U	3.62
2-Methylnaphthalene	U	3.29	U	3.29	U	3.47	U	3.29
1-Methylnaphthalene	U	3.26	U	3.26	U	3.43	U	3.26
Biphenyl	U	2.98	U	2.98	U	3.14	U	2.98
2,6-Dimethylnaphthalene	U	2.97	U	2.97	U	3.13	U	2.97
Acenaphthylene	U	3.15	U	3.15	U	3.31	U	3.15
Acenaphthene	U	3.07	U	3.07	U	3.23	U	3.07
Dibenzofuran	U	2.76	U	2.76	U	2.91	U	2.76
Fluorene	U	2.78	U	2.78	U	2.92	U	2.78
Phenanthrene	U	2.54	U	2.54	U	2.67	U	2.54
Anthracene	U	2.59	U	2.59	U	2.72	U	2.59
Carbazole	U	2.79	U	2.79	U	2.93	U	2.79
Fluoranthene	U	2.30	U	2.30	U	2.42	U	2.30
Pyrene	U	2.30	U	2.30	U	2.42	U	2.30
Benzo(a)anthracene	U	2.18	U	2.18	U	2.30	U	2.18
Chrysene	U	2.08	U	2.08	U	2.19	U	2.08
Benzo(b)fluoranthene	U	2.04	U	2.04	U	2.15	U	2.04
Benzo(k)fluoranthene	U	1.90	U	1.90	U	2.00	U	1.90
Benzo(e)pyrene	U	2.02	U	2.02	U	2.13	U	2.02
Benzo(a)pyrene	U	2.12	U	2.12	U	2.23	U	2.12
Indeno(1,2,3-cd)pyrene	U	1.94	U	1.94	U	2.04	U	1.94
Dibenzo(a,h)anthracene	U	1.92	U	1.92	U	2.02	U	1.92
Benzo(g,h,i)perylene	U	2.03	U	2.03	U	2.13	U	2.03

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Table 1.1a (cont) Results of the Analysis for PAH (ppbv) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method SERAS SOP #1817

SERAS Sample Number	R611001-09	R611001-10
Sample Number	1655	1660
Sampling Location	Field Blank	AB Courts
Volume (L)	0	504

Analyte	Result µg		RL µg	Result ppbv		RL ppbv
Naphthalene	U		9.10	3.14	J	3.44
2-Methylnaphthalene	U		9.20	0.326	J	3.14
1-Methylnaphthalene	U		9.11	0.267	J	3.11
Biphenyl	U		9.04	0.597	J	2.84
2,6-Dimethylnaphthalene	U		9.11	U		2.83
Acenaphthylene	U		9.39	0.455	J	3.00
Acenaphthene	U		9.29	0.193	J	2.92
Dibenzofuran	U		9.12	0.305	J	2.63
Fluorene	U		9.07	0.228	J	2.65
Phenanthrene	U		8.88	1.06	J	2.42
Anthracene	U		9.05	U		2.46
Carbazole	U		9.15	U		2.65
Fluoranthene	U		9.12	0.365	J	2.19
Pyrene	U		9.14	0.302	J	2.19
Benzo(a)anthracene	U		9.78	0.191	J	2.08
Chrysene	U		9.31	0.247	J	1.98
Benzo(b)fluoranthene	U		10.1	U		1.94
Benzo(k)fluoranthene	U		9.42	U		1.81
Benzo(e)pyrene	U		10.0	U		1.93
Benzo(a)pyrene	U		10.5	U		2.02
Indeno(1,2,3-cd)pyrene	U		10.5	U		1.85
Dibenzo(a,h)anthracene	U		10.5	U		1.83
Benzo(g,h,i)perylene	U		11.0	U		1.93

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Table 1.1b Results of the Analysis for PAH (µg/m^3) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method SERAS SOP #1817

SERAS Sample Number	R611001-08		R611001-01		R611001-02		R611001-03	
Sample Number	1652		1631		1634		1637	
Sampling Location	Lot Blank		AS013		AS015		AS010	
Volume (L)	0		456		480		480	
Analyte	Result µg	RL µg	Result µg/m^3	RL µg/m^3	Result µg/m^3	RL µg/m^3	Result µg/m^3	RL µg/m^3
Naphthalene	U	9.10	U	19.9	U	19.0	U	19.0
2-Methylnaphthalene	U	9.20	U	20.2	U	19.2	U	19.2
1-Methylnaphthalene	U	9.11	U	20.0	U	19.0	U	19.0
Biphenyl	U	9.04	U	19.8	U	18.8	U	18.8
2,6-Dimethylnaphthalene	U	9.11	U	20.0	U	19.0	U	19.0
Acenaphthylene	U	9.39	U	20.6	U	19.6	U	19.6
Acenaphthene	U	9.29	U	20.4	U	19.3	U	19.3
Dibenzofuran	U	9.12	U	20.0	U	19.0	U	19.0
Fluorene	U	9.07	U	19.9	U	18.9	U	18.9
Phenanthrene	U	8.88	U	19.5	U	18.5	U	18.5
Anthracene	U	9.05	U	19.8	U	18.8	U	18.8
Carbazole	U	9.15	U	20.1	U	19.1	U	19.1
Fluoranthene	U	9.12	U	20.0	U	19.0	U	19.0
Pyrene	U	9.14	U	20.1	U	19.1	U	19.1
Benzo(a)anthracene	U	9.78	U	21.4	U	20.4	U	20.4
Chrysene	U	9.31	U	20.4	U	19.4	U	19.4
Benzo(b)fluoranthene	U	10.1	U	22.2	U	21.1	U	21.1
Benzo(k)fluoranthene	U	9.42	U	20.7	U	19.6	U	19.6
Benzo(e)pyrene	U	10.0	U	22.0	U	20.9	U	20.9
Benzo(a)pyrene	U	10.5	U	23.0	U	21.8	U	21.8
Indeno(1,2,3-cd)pyrene	U	10.5	U	23.1	U	21.9	U	21.9
Dibenzo(a,h)anthracene	U	10.5	U	23.0	U	21.9	U	21.9
Benzo(g,h,i)perylene	U	11.0	U	24.1	U	22.9	U	22.9

Table 1.1b Results of the Analysis for PAH (µg/m^3) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method SERAS SOP #1817

SERAS Sample ID	R611001-04		R611001-05		R611001-06		R611001-07	
Sample Number	1640		1643		1646		1649	
Sampling Location	AS012		AS011		AS014		AS004	
Volume (L)	480		480		456		480	
Analyte	Result µg/m^3	RL µg/m^3	Result µg/m^3	RL µg/m^3	Result µg	RL µg	Result µg/m^3	RL µg/m^3
Naphthalene	U	19.0	U	19.0	U	19.9	U	19.0
2-Methylnaphthalene	U	19.2	U	19.2	U	20.2	U	19.2
1-Methylnaphthalene	U	19.0	U	19.0	U	20.0	U	19.0
Biphenyl	U	18.8	U	18.8	U	19.8	U	18.8
2,6-Dimethylnaphthalene	U	19.0	U	19.0	U	20.0	U	19.0
Acenaphthylene	U	19.6	U	19.6	U	20.6	U	19.6
Acenaphthene	U	19.3	U	19.3	U	20.4	U	19.3
Dibenzofuran	U	19.0	U	19.0	U	20.0	U	19.0
Fluorene	U	18.9	U	18.9	U	19.9	U	18.9
Phenanthrene	U	18.5	U	18.5	U	19.5	U	18.5
Anthracene	U	18.8	U	18.8	U	19.8	U	18.8
Carbazole	U	19.1	U	19.1	U	20.1	U	19.1
Fluoranthene	U	19.0	U	19.0	U	20.0	U	19.0
Pyrene	U	19.1	U	19.1	U	20.1	U	19.1
Benzo(a)anthracene	U	20.4	U	20.4	U	21.4	U	20.4
Chrysene	U	19.4	U	19.4	U	20.4	U	19.4
Benzo(b)fluoranthene	U	21.1	U	21.1	U	22.2	U	21.1
Benzo(k)fluoranthene	U	19.6	U	19.6	U	20.7	U	19.6
Benzo(e)pyrene	U	20.9	U	20.9	U	22.0	U	20.9
Benzo(a)pyrene	U	21.8	U	21.8	U	23.0	U	21.8
Indeno(1,2,3-cd)pyrene	U	21.9	U	21.9	U	23.1	U	21.9
Dibenzo(a,h)anthracene	U	21.9	U	21.9	U	23.0	U	21.9
Benzo(g,h,i)perylene	U	22.9	U	22.9	U	24.1	U	22.9

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Table 1.1b Results of the Analysis for PAH (µg/m^3) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method SERAS SOP #1817

SERAS Sample ID	R611001-09		R611001-10	
Sample Number	1655		1660	
Sampling Location	Field Blank		AB Courts	
Volume (L)	0		504	
Analyte	Result µg/m^3	RL µg/m^3	Result µg/m^3	RL µg/m^3
Naphthalene	U	9.10	16.5 J	18.0
2-Methylnaphthalene	U	9.20	1.90 J	18.2
1-Methylnaphthalene	U	9.11	1.55 J	18.1
Biphenyl	U	9.04	3.77 J	17.9
2,6-Dimethylnaphthalene	U	9.11	U	18.1
Acenaphthylene	U	9.39	2.83 J	18.6
Acenaphthene	U	9.29	1.22 J	18.4
Dibenzofuran	U	9.12	2.10 J	18.1
Fluorene	U	9.07	1.55 J	18.0
Phenanthrene	U	8.88	7.76 J	17.6
Anthracene	U	9.05	U	18.0
Carbazole	U	9.15	U	18.2
Fluoranthene	U	9.12	3.02 J	18.1
Pyrene	U	9.14	2.50 J	18.1
Benzo(a)anthracene	U	9.78	1.79 J	19.4
Chrysene	U	9.31	2.30 J	18.5
Benzo(b)fluoranthene	U	10.1	U	20.0
Benzo(k)fluoranthene	U	9.42	U	18.7
Benzo(e)pyrene	U	10.0	U	19.9
Benzo(a)pyrene	U	10.5	U	20.8
Indeno(1,2,3-cd)pyrene	U	10.5	U	20.9
Dibenzo(a,h)anthracene	U	10.5	U	20.8
Benzo(g,h,i)perylene	U	11.0	U	21.8

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Table 1.2 Results of the Analysis for Metals in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method NIOSH 7303/7300 Mod

Laboratory Sample Number	66160-LB		16110809-001A		16110809-002A		16110809-003A	
Sample Number	1652		1632		1635		1638	
Sample Location	LOT BLANK		AS013		AS015		AS010	
Air Volume, L			1440		1464		1440	
	Result	RL	Result	RL	Result	RL	Result	RL
Analyte	µg	µg	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Aluminum	U	1.0	U	0.00069	U	0.00068	U	0.00069
Antimony	U	1.0	U	0.00069	U	0.00068	U	0.00069
Arsenic	U	1.0	U	0.00069	U	0.00068	U	0.00069
Barium	U	1.0	U	0.00069	U	0.00068	U	0.00069
Beryllium	U	0.020	U	0.000014	U	0.000014	U	0.000014
Cadmium	U	0.50	U	0.00035	U	0.00034	U	0.00035
Calcium	U	10	U	0.0069	U	0.0068	U	0.0069
Chromium	U	1.0	U	0.00069	U	0.00068	U	0.00069
Cobalt	U	1.0	U	0.00069	U	0.00068	U	0.00069
Copper	U	1.0	U	0.00069	U	0.00068	U	0.00069
Iron	U	1.0	U	0.00069	U	0.00068	0.00073 J+	0.00069
Lead	U	1.0	U	0.00069	U	0.00068	U	0.00069
Lithium	U	1.0	U	0.00069	U	0.00068	U	0.00069
Magnesium	U	10	U	0.0069	U	0.0068	U	0.0069
Manganese	U	1.0	U	0.00069	U	0.00068	U	0.00069
Molybdenum	U	1.0	U	0.00069	U	0.00068	U	0.00069
Nickel	U	1.0	U	0.00069	U	0.00068	U	0.00069
Phosphorus	U J	5.0	U J	0.0035	U J	0.0034	U J	0.0035
Potassium	U	10	U	0.0069	U	0.0068	U	0.0069
Selenium	U	1.0	U	0.00069	U	0.00068	U	0.00069
Silver	U	0.20	U	0.00014	U	0.00014	U	0.00014
Sodium	U	10	U	0.0069	U	0.0068	U	0.0069
Strontium	U	1.0	U	0.00069	U	0.00068	U	0.00069
Thallium	U	1.0	U	0.00069	U	0.00068	U	0.00069
Tin	U	1.0	U	0.00069	U	0.00068	U	0.00069
Titanium	U	1.0	U	0.00069	U	0.00068	U	0.00069
Vanadium	U	1.0	U	0.00069	U	0.00068	U	0.00069
Zinc	U	1.0	U	0.00069	U	0.00068	U	0.00069

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Table 1.2 (cont) Results of the Analysis for Metals in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method NIOSH 7303/7300 Mod

Laboratory Sample Number	16110809-004A		16110809-005A		16110809-006A		16110809-007A	
Sample Number	1641		1644		1647		1650	
Sample Location	AS012		AS011		AS014		AS004	
Air Volume, L	1440		1440		1440		1464	
Analyte	Result mg/m^3	RL mg/m^3	Result mg/m^3	RL mg/m^3	Result mg/m^3	RL mg/m^3	Result mg/m^3	RL mg/m^3
Aluminum	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Antimony	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Arsenic	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Barium	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Beryllium	U	0.000014	U	0.000014	U	0.000014	U	0.000014
Cadmium	U	0.00035	U	0.00035	U	0.00035	U	0.00034
Calcium	U	0.0069	U	0.0069	U	0.0069	U	0.0068
Chromium	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Cobalt	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Copper	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Iron	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Lead	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Lithium	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Magnesium	U	0.0069	U	0.0069	U	0.0069	U	0.0068
Manganese	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Molybdenum	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Nickel	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Phosphorus	U J	0.0035	U J	0.0035	U J	0.0035	U J	0.0034
Potassium	U	0.0069	U	0.0069	U	0.0069	U	0.0068
Selenium	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Silver	U	0.00014	U	0.00014	U	0.00014	U	0.00014
Sodium	U	0.0069	U	0.0069	U	0.0069	U	0.0068
Strontium	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Thallium	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Tin	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Titanium	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Vanadium	U	0.00069	U	0.00069	U	0.00069	U	0.00068
Zinc	U	0.00069	U	0.00069	U	0.00069	U	0.00068

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Table 1.2 (cont) Results of the Analysis for Metals in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method NIOSH 7303/7300 Mod

Laboratory Sample Number	16110809-008A	16110809-009A
Sample Number	1656 FIELD BLANK	1659
Sample Location	FIELD BLANK	A B Courts
Air Volume, L		1416

Analyte	Result µg		RL µg	Result mg/m^3		RL mg/m^3
Aluminum	U		1	U		0.00071
Antimony	U		1	0.0072		0.00071
Arsenic	U		1	U		0.00071
Barium	U		1	U		0.00071
Beryllium	U		0.02	U		0.000014
Cadmium	U		0.5	U		0.0012
Calcium	U		10	U		0.0071
Chromium	U		1	U		0.00071
Cobalt	U		1	U		0.00071
Copper	U		1	U		0.00071
Iron	U		1	0.00097	J+	0.00071
Lead	U		1	0.00085		0.00071
Lithium	U		1	U		0.00071
Magnesium	U		10	U		0.0071
Manganese	U		1	U		0.00071
Molybdenum	U		1	U		0.00071
Nickel	U		1	U		0.00071
Phosphorus	U	J	5	U	J	0.0035
Potassium	U		10	U		0.0071
Selenium	U		1	U		0.00071
Silver	U		0.2	U		0.00014
Sodium	U		10	U		0.0071
Strontium	U		1	U		0.00071
Thallium	U		1	U		0.00071
Tin	U		1	U		0.00071
Titanium	U		1	U		0.00071
Vanadium	U		1	U		0.00071
Zinc	U		1	0.0010	J+	0.00071

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Table 1.3a Results of the Analysis for Inorganic Acids (ppm) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method NIOSH 7903

Laboratory Sample Number	MB-R236177		16110806-001A		16110806-002A		16110806-003A	
Sample Number	1654		1633		1636		1639	
Sample Location	LOT BLANK		AS013		AS015		AS010	
Air Volume, L	0		80		80		80	
Analyte	Result µg	RL µg	Result ppm	RL ppm	Result ppm	RL ppm	Result ppm	RL ppm
Hydrobromic Acid	U	5.0	U	0.019	U	0.019	U	0.019
Hydrochloric Acid	U	5.0	U	0.042	U	0.042	U	0.042
Hydrofluoric Acid	U	2.0	U	0.031	U	0.031	U	0.031
Nitric Acid	U	3.0	U	0.015	U	0.015	U	0.015
Phosphoric Acid	U	8.0	U	0.025	U	0.025	U	0.025
Sulfuric Acid	U	7.0	U	0.022	U	0.022	U	0.022

Table 1.3a (cont) Results of the Analysis for Inorganic Acids (ppm) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method NIOSH 7903

Laboratory Sample Number	16110806-004A		16110806-005A		16110806-006A		16110806-007A	
Sample Number	1642		1645		1648		1651	
Sample Location	AS012		AS011		AS014		AS004	
Air Volume, L	78		80		82		80	
Analyte	Result ppm	RL ppm	Result ppm	RL ppm	Result ppm	RL ppm	Result ppm	RL ppm
Hydrobromic Acid	U	0.019	U	0.019	U	0.018	U	0.019
Hydrochloric Acid	U	0.043	U	0.042	U	0.041	U	0.042
Hydrofluoric Acid	U	0.031	U	0.031	U	0.030	U	0.031
Nitric Acid	U	0.015	U	0.015	U	0.014	U	0.015
Phosphoric Acid	U	0.026	U	0.025	U	0.024	U	0.025
Sulfuric Acid	U	0.022	U	0.022	U	0.021	U	0.022

Table 1.3a (cont) Results of the Analysis for Inorganic Acids (ppm) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method NIOSH 7903

Laboratory Sample Number	16110806-009A		16110806-010A	
Sample Number	1657		1658	
Sample Location	Field Blank		A B Courts	
Air Volume, L	0		76	
Analyte	Result µg	RL µg	Result ppm	RL ppm
Hydrobromic Acid	U	5.0	U	0.020
Hydrochloric Acid	U	5.0	U	0.044
Hydrofluoric Acid	U	2.0	U	0.032
Nitric Acid	U	3.0	U	0.015
Phosphoric Acid	U	8.0	U	0.026
Sulfuric Acid	U	7.0	U	0.023

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Table 1.3b Results of the Analysis for Inorganic Acids (mg/m3) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method NIOSH 7903

Laboratory Sample Number	MB-R236177		16110806-001A		16110806-002A		16110806-003A	
Sample Number	1654		1633		1636		1639	
Sample Location	LOT BLANK		AS013		AS015		AS010	
Air Volume, L	0		80		80		80	
	Result	RL	Result	RL	Result	RL	Result	RL
Analyte	µg	µg	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Hydrobromic Acid	U	5.0	U	0.063	U	0.063	U	0.063
Hydrochloric Acid	U	5.0	U	0.063	U	0.063	U	0.063
Hydrofluoric Acid	U	2.0	U	0.025	U	0.025	U	0.025
Nitric Acid	U	3.0	U	0.038	U	0.038	U	0.038
Phosphoric Acid	U	8.0	U	0.10	U	0.10	U	0.10
Sulfuric Acid	U	7.0	U	0.088	U	0.088	U	0.088

Table 1.3b (cont) Results of the Analysis for Inorganic Acids (mg/m3) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method NIOSH 7903

Laboratory Sample Number	16110806-004A		16110806-005A		16110806-006A		16110806-007A	
Sample Number	1642		1645		1648		1651	
Sample Location	AS012		AS011		AS014		AS004	
Air Volume, L	78		80		82		80	
	Result	RL	Result	RL	Result	RL	Result	RL
Analyte	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3
Hydrobromic Acid	U	0.064	U	0.063	U	0.061	U	0.063
Hydrochloric Acid	U	0.064	U	0.063	U	0.061	U	0.063
Hydrofluoric Acid	U	0.026	U	0.025	U	0.024	U	0.025
Nitric Acid	U	0.038	U	0.038	U	0.037	U	0.038
Phosphoric Acid	U	0.10	U	0.10	U	0.098	U	0.10
Sulfuric Acid	U	0.090	U	0.088	U	0.085	U	0.088

Table 1.3b (cont) Results of the Analysis for Inorganic Acids (mg/m3) in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

Method NIOSH 7903

Laboratory Sample Number	16110806-009A		16110806-010A	
Sample Number	1657		1658	
Sample Location	Field Blank		A B Courts	
Air Volume, L	0		76	
	Result	RL	Result	RL
Analyte	µg	µg	mg/m^3	mg/m^3
Hydrobromic Acid	U	5.0	U	0.066
Hydrochloric Acid	U	5.0	U	0.066
Hydrofluoric Acid	U	2.0	U	0.026
Nitric Acid	U	3.0	U	0.039
Phosphoric Acid	U	8.0	U	0.11
Sulfuric Acid	U	7.0	U	0.092

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Table 2.1 Results of the BS/BSD Analysis for PAHs in Air
WA# SERAS-0320 Bethlehem Steel (Steel Works) Fire

Sample ID: BS/BSD Sample # 1652 (Tube)

Analyte	BS/BSD Spike Added µg	BS Conc. µg	BS % Recovery	BSD Conc. µg	BSD % Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	50.0	56.6	113	51.5	103	9	20	70-130
2-Methylnaphthalene	50.0	57.1	114	52.2	104	9	20	70-130
1-Methylnaphthalene	50.0	55.2	111	50.4	101	9	20	70-130
Biphenyl	50.0	55.9	112	52.1	104	7	20	70-130
2,6-Dimethylnaphthalene	50.0	56.7	114	51.7	103	9	20	70-130
Acenaphthylene	50.0	56.8	114	53.0	106	7	20	70-130
Acenaphthene	50.0	56.4	113	52.9	106	6	20	70-130
Dibenzofuran	50.0	56.9	114	53.0	106	7	20	70-130
Fluorene	50.0	55.4	111	52.2	104	6	20	70-130
Phenanthrene	50.0	54.4	109	51.8	104	5	20	70-130
Anthracene	50.0	54.6	109	51.4	103	6	20	70-130
Carbazole	50.0	54.9	110	50.7	101	8	20	70-130
Fluoranthene	50.0	55.0	110	52.0	104	6	20	70-130
Pyrene	50.0	54.5	109	51.1	102	6	20	70-130
Benzo(a)anthracene	50.0	56.4	113	51.8	104	8	20	70-130
Chrysene	50.0	57.5	115	51.9	104	10	20	70-130
Benzo(b)fluoranthene	50.0	57.0	114	50.8	102	11	20	70-130
Benzo(k)fluoranthene	50.0	54.2	108	49.1	98	10	20	70-130
Benzo(e)pyrene	50.0	56.6	113	50.3	101	12	20	70-130
Benzo(a)pyrene	50.0	55.7	111	51.1	102	9	20	70-130
Indeno(1,2,3-cd)pyrene	50.0	55.3	111	49.8	100	10	20	70-130
Dibenzo(a,h)anthracene	50.0	57.2	114	52.3	105	9	20	70-130
Benzo(g,h,i)perylene	50.0	56.1	112	50.7	102	10	20	70-130

Sample ID: BS/BSD Sample # 1652 (Filter)

Analyte	BS/BSD Spike Added ng	BS Conc. ng	BS % Recovery	BSD Conc. ng	BSD % Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Naphthalene	50.0	56.1	112	54.4	109	3	20	70-130
2-Methylnaphthalene	50.0	55.6	111	53.8	108	3	20	70-130
1-Methylnaphthalene	50.0	53.6	107	52.0	104	3	20	70-130
Biphenyl	50.0	56.2	112	54.0	108	4	20	70-130
2,6-Dimethylnaphthalene	50.0	54.8	110	53.7	107	2	20	70-130
Acenaphthylene	50.0	56.1	112	54.9	110	2	20	70-130
Acenaphthene	50.0	55.4	111	53.7	107	3	20	70-130
Dibenzofuran	50.0	56.4	113	54.6	109	3	20	70-130
Fluorene	50.0	55.5	111	53.5	107	4	20	70-130
Phenanthrene	50.0	55.6	111	54.6	109	2	20	70-130
Anthracene	50.0	55.1	110	53.1	106	4	20	70-130
Carbazole	50.0	55.2	111	53.7	107	3	20	70-130
Fluoranthene	50.0	55.5	111	54.9	110	1	20	70-130
Pyrene	50.0	55.6	111	54.0	108	3	20	70-130
Benzo(a)anthracene	50.0	52.7	105	52.1	104	1	20	70-130
Chrysene	50.0	54.0	108	53.2	106	2	20	70-130
Benzo(b)fluoranthene	50.0	53.9	108	46.8	94	14	20	70-130
Benzo(k)fluoranthene	50.0	53.2	106	57.3	115	7	20	70-130
Benzo(e)pyrene	50.0	53.7	107	51.7	103	4	20	70-130
Benzo(a)pyrene	50.0	52.6	105	54.7	109	4	20	70-130
Indeno(1,2,3-cd)pyrene	50.0	51.1	102	49.5	99	3	20	70-130
Dibenzo(a,h)anthracene	50.0	52.1	104	50.9	102	2	20	70-130
Benzo(g,h,i)perylene	50.0	50.9	102	48.9	98	4	20	70-130

REPORT OF LABORATORY ANALYSIS
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Table 2.2 Results of the LCS/LCSD Analysis for Metals in Air
WA# SERAS-320 Bethlehem Steel (Steel Works) Fire

: 66160 LCS/LCSD 11/15/16

Analyte	LCS/LCSD Spike µg	LCS Recovered µg	LCS % Recovery	LCSD Recovered µg	LCSD % Recovery	RPD	QC Limits RPD	QC Limits % Recovery
Aluminum	10	9.642	96.4	9.263	92.6	4.01	9.96	83.4-117
Antimony	10	9.318	93.2	9.161	91.6	1.70	10.8	86.1-116
Arsenic	10	9.491	94.9	9.355	93.6	1.44	11.6	87.3-116
Barium	10	9.501	95	9.429	94.3	0.761	9.47	92.2-119
Beryllium	10	8.88	88.8	8.878	88.8	0.0113	11	87.7-119
Cadmium	10	9.919	99.2	9.908	99.1	0.111	8.71	90.8-119
Calcium	10	11.37	114	11.07	111	2.67	14	85.5-121
Chromium	10	9.847	98.5	9.722	97.2	1.28	8.81	91.2-118
Cobalt	10	9.659	96.6	9.691	96.9	0.331	9.83	91.1-119
Copper	10	9.893	98.9	9.614	96.1	2.86	8.1	93.5-121
Iron	10	9.526	95.3	9.062	90.6	4.99	13.6	85.8-124
Lead	10	9.586	95.9	9.601	96	0.156	9.1	93-121
Lithium	10	10.05	101	9.663	96.6	3.93	9.13	84.5-119
Magnesium	10	9.383	93.8	9.21	92.1	1.86	11.1	89.1-117
Manganese	10	9.991	99.9	9.74	97.4	2.54	8.23	91.5-122
Molybdenum	10	9.609	96.1	9.677	96.8	0.705	9.54	90.8-115
Nickel	10	10.01	100	9.953	99.5	0.571	8.99	92.5-119
Phosphorus	10	9.676	96.8	9.696	97	0.206	13.1	86.9-118
Potassium	100	101.3	101	96.8	96.8	4.51	9.66	87.2-121
Selenium	10	9.854	98.5	8.635	86.4	13.2	14.6	80.8-122
Silver	10	9.798	98	9.657	96.6	1.45	29.6	65.6-128
Sodium	100	99.48	99.5	95.44	95.4	4.15	18.2	69-111
Strontium	10	10.15	102	9.77	97.7	3.83	8.8	87.5-117
Thallium	10	9.596	96	9.498	95	1.03	17.7	84.3-125
Tin	10	9.94	99.4	9.872	98.7	0.686	10.7	93.2-123
Titanium	10	9.666	96.7	9.453	94.5	2.23	10.9	88.9-118
Vanadium	10	9.596	96	9.45	94.5	1.53	9.88	89-116
Zinc	10	9.787	97.9	9.752	97.5	0.358	8.75	90.3-119

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Table 2.3 Results of the LCS/LCSD Analysis for Inorganic Acids in Air
WA# SERAS-0320 Bethlehem Steel (Steel Works) Fire

Sample ID: LCS/LCSD R236177 11/14/16

	LCS/LCSD	LCS		LCSD				
	Spike Added	Recovered	LCS	Recovered	LCSD		QC Limits	
Analyte	µg	µg	% Recovery	µg	% Recovery	RPD	RPD	% Recovery
Hydrobromic Acid	50.6	48.1	95	48.5	96	0.922	11.6	86.1-110
Hydrochloric Acid	25.7	27.2	106	31.8	124	15.5	15.7	80.8-130
Hydrofluoric Acid	26.3	26.4	100	19.5	74	30.3	36.2	50.9-167
Nitric Acid	50.8	49.5	98	47.4	93	4.32	17.9	84.4-111
Phosphoric Acid	103	100	97	94.4	92	5.76	15.5	83.5-111
Sulfuric Acid	51.1	50.8	100	50.3	99	0.989	21.3	82.2-118

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LOCKHEED MARTIN

Lockheed Martin Information Systems & Global Solutions (IS&GS - Civil)
Environmental Services SERAS
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837-3679
Telephone: 732-321-4200, Facsimile: 732-494-4021

Bureau Veritas
22345 Roethel Drive
Novi, Michigan 48375
248-344-2639

Attn: Kerri Drew

November 10, 2016

As per Lockheed Martin blanket purchase order # 41N1885629, for Project 84001, please analyze:

Analysis/Method	Matrix	#of samples	
Metals in Air by NIOSH 7300 or 7303. Expected sample volume: 1440 L.	SKC 225-3-01 MCE	8-10	
Inorganic Acids in Air NIOSH 7903. Expected sample volume: 80L	SKC 226-10-03	8-10	
Data package: Package with .csv file. Per sample pricing must include Level IV – CLP-like data deliverable and include all items on the check list attached. Prelims/data pkg. may be sent as PDF files or as uploads from secure web site. Results in both mg/m3 and ppmv.			

One batch of 8-10 samples (including blanks) is expected at your laboratory on or about November 14th, 2016. Preliminary data is due 1 BD after receipt of the samples.

The complete data package is due 10 business days after receipt of each batch of samples. The complete data package must include all items on the deliverables checklist. All sample and QC results must be summarized in .csv file EDD.

Please submit all reports concerning this project to **Misty Barkley at misty.barkley@leidos.com, 732-321-4205.**

Sincerely,

for

Jay Patel
Analytical Support Chemist
Lockheed Martin / SERAS Project

cc. R. Singhvi, A. DuBois, J. Patel, Subcontracting File, D. Killeen, P. Solinski

Page 1

USEPA
DateShipped:
CarrierName:
AirbillNo:
WO#R611001

CHAIN OF CUSTODY RECORD
Site #: 84-001
Contact Name:
Contact Phone:

No: 2-111116-081630-0003
Cooler #:
Lab:
Lab Phone:

SERAS-320-DAR-122016

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Preservative	Volume	Vol Units	Stop_Date	Stop_Time
01	1631	AS013	PAHs by NIOSH 5515	Air	1	WhirlPak	None	456	Liters	11/10/2016	10:41:00 AM
02	1634	AS015	PAHs by NIOSH 5515	Air	1	WhirlPak	None	480	Liters	11/10/2016	11:07:00 AM
03	1637	AS010	PAHs by NIOSH 5515	Air	1	WhirlPak	None	480	Liters	11/10/2016	11:23:00 AM
04	1640	AS012	PAHs by NIOSH 5515	Air	1	WhirlPak	None	480	Liters	11/10/2016	12:14:00 PM
05	1643	AS011	PAHs by NIOSH 5515	Air	1	WhirlPak	None	480	Liters	11/10/2016	11:43:00 AM
06	1646	AS014	PAHs by NIOSH 5515	Air	1	WhirlPak	None	480	Liters	11/10/2016	12:51:00 PM
07	1649	AS004	PAHs by NIOSH 5515	Air	1	WhirlPak	None	480	Liters	11/10/2016	1:25:00 PM
08	1652	Lot/BS/BSD	PAHs by NIOSH 5515	Air	3	WhirlPak	None	0	Liters	11/10/2016	5:30:00 AM
09	1655	Field Blank	PAHs by NIOSH 5515	Air	1	WhirlPak	None	0	Liters	11/10/2016	5:34:00 AM
10	1660	A B Courts	PAHs by NIOSH 5515	Air	1	WhirlPak	None	504	Liters	11/10/2016	5:34:00 PM

Special Instructions: SKC 226-30-06 Lot#8110. SKC 225-1713 Lot#12737-7DC-221.
+ 10 Extra Filters + Tubes

Tubes were wrapped in foil.
Received 3°C 11/12/16

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Analysis		11/11/16		11/12/16	9:00	Analysis		11/12/16		11/13/16	9:30

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USEPA
DateShipped:
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: 84-001
Contact Name: MISTY BARKLEY
Contact Phone: 732-321-4205

No: 2-111116-080803-0002
Cooler #:
Lab:
Lab Phone:
1611080803

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Preservative	Volume	Vol Units	Stop_Date	Stop_Time
	1632	AS013	Metals by NIOSH	Air	1	WhirlPak	None	1440	Liters	11/10/2016	10:41:00 AM
	1635	AS015	Metals by NIOSH	Air	1	WhirlPak	None	1464	Liters	11/10/2016	11:07:00 AM
	1638	AS010	Metals by NIOSH	Air	1	WhirlPak	None	1440	Liters	11/10/2016	11:27:00 AM
	1641	AS012	Metals by NIOSH	Air	1	WhirlPak	None	1440	Liters	11/10/2016	12:14:00 PM
	1644	AS011	Metals by NIOSH	Air	1	WhirlPak	None	1440	Liters	11/10/2016	11:43:00 AM
	1647	AS014	Metals by NIOSH	Air	1	WhirlPak	None	1440	Liters	11/10/2016	12:51:00 PM
	1650	AS004	Metals by NIOSH	Air	1	WhirlPak	None	1464	Liters	11/10/2016	1:25:00 PM
	1653	Lot/BS/BSD	Metals by NIOSH	Air	3	WhirlPak	None	0	Liters	11/10/2016	5:30:00 AM
	1656	Field Blank	Metals by NIOSH	Air	1	WhirlPak	None	0	Liters	11/10/2016	5:34:00 AM
	1659	A B Courts	Metals by NIOSH	Air	1	WhirlPak	None	1416	Liters	11/10/2016	6:54:00 PM

Special Instructions: Analyze Per Leidos (Lockheed Martin) Contract . MCE Filters SKC 225-3-01 Lot# 16769-7E0-020
RAPID 2 DAY TURNAROUND RESULTS BY COB 11/15/16

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
ALL ANALYSIS		11/11/16								11/14/16	11:24

16110806

USEPA

DateShipped:

CarrierName:

AirbillNo:

CHAIN OF CUSTODY RECORD

No: 2-111116-074514-0001

Site #: 84-001

Contact Name: MISTY BARLLEY

Contact Phone: 732-321-4205

Cooler #:

Lab:

Lab Phone:

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Preservative	Volume	Vol Units	Stop_Date	Stop_Time
✓	1633	AS013	Inorganic Acids	Air	1	WhirlPak	None	80	Liters	11/10/2016	9:21:00 AM
✓	1636	AS015	Inorganic Acids	Air	1	WhirlPak	None	80	Liters	11/10/2016	9:47:00 AM
✓	1639	AS010	Inorganic Acids	Air	1	WhirlPak	None	80	Liters	11/10/2016	10:43:00 AM
✓	1642	AS012	Inorganic Acids	Air	1	WhirlPak	None	78	Liters	11/10/2016	10:54:00 AM
✓	1645	AS011	Inorganic Acids	Air	1	WhirlPak	None	80	Liters	11/10/2016	10:23:00 AM
✓	1648	AS014	Inorganic Acids	Air	1	WhirlPak	None	82	Liters	11/10/2016	11:31:00 AM
✓	1651	AS004	Inorganic Acids	Air	1	WhirlPak	None	80	Liters	11/10/2016	12:05:00 PM
✓	1654	Lot/BS/BSD	Inorganic Acids	Air	3	WhirlPak	None	0	Liters	11/10/2016	5:30:00 AM
✓	1657	Field Blank	Inorganic Acids	Air	1	WhirlPak	None	0	Liters	11/10/2016	5:34:00 AM
✓	1658	A B Courts	Inorganic Acids	Air	1	WhirlPak	None	76	Liters	11/10/2016	6:54:00 PM

Special Instructions: Analyze Per Leidos (Lockheed Martin) Contract .Silica SKC 226-10-03 Lot#9020.

RAPID 2 DAY TURNAROUND !!

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
SAMPLES/ANALYSIS		11/11/16								11/14/16	11:05

SERAS-320-DAR-122016

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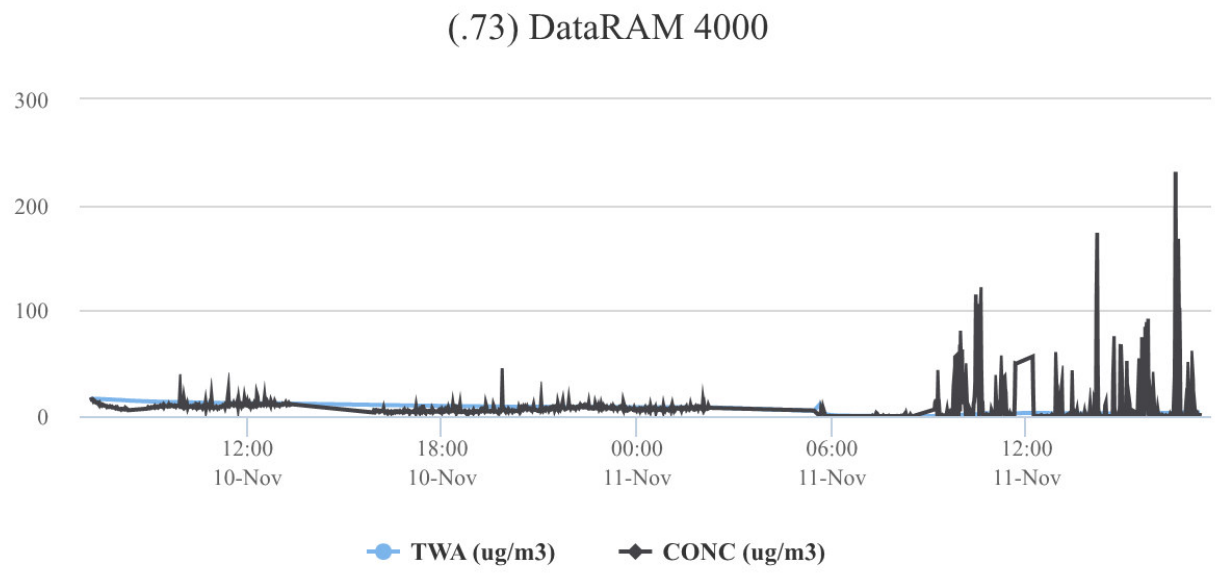
APPENDIX D
DataRAM Particulate Monitoring Summary
Steelworks Industrial Fire
Lackawanna, NY
January 2017

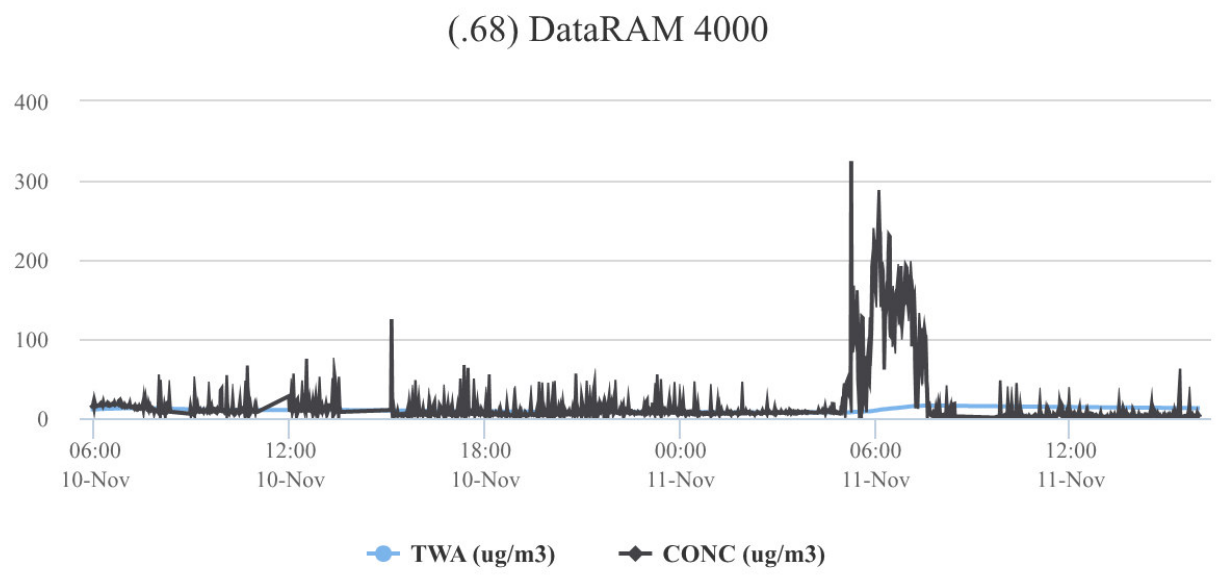
Bethlehem Steel (Steel Works) Fire Response Particulate Data

DataRAM 4000 particulate monitors were deployed by USEPA Environmental Response Team (ERT) and SERAS/Leidos contractor support teams at 5 locations. This data was available for real-time viewing on a secure EPA website througout the response. The USEPA ERT locations supplemented other particulate data collection performed by EPA Region 2 and other assisting agencies. DataRAM 4 units monitored for Total Particulates and reported in micrograms per cubic meter (ug/m3). Note that each strip chart/graph below shows data in an auto-scaled format, which allows for easier viewing of data peaks. A "Linc" is a telemetry device which assigns a specific ID to each DataRAM's dataset. Periods when telemetry systems failed to report are listed in the discussions below.

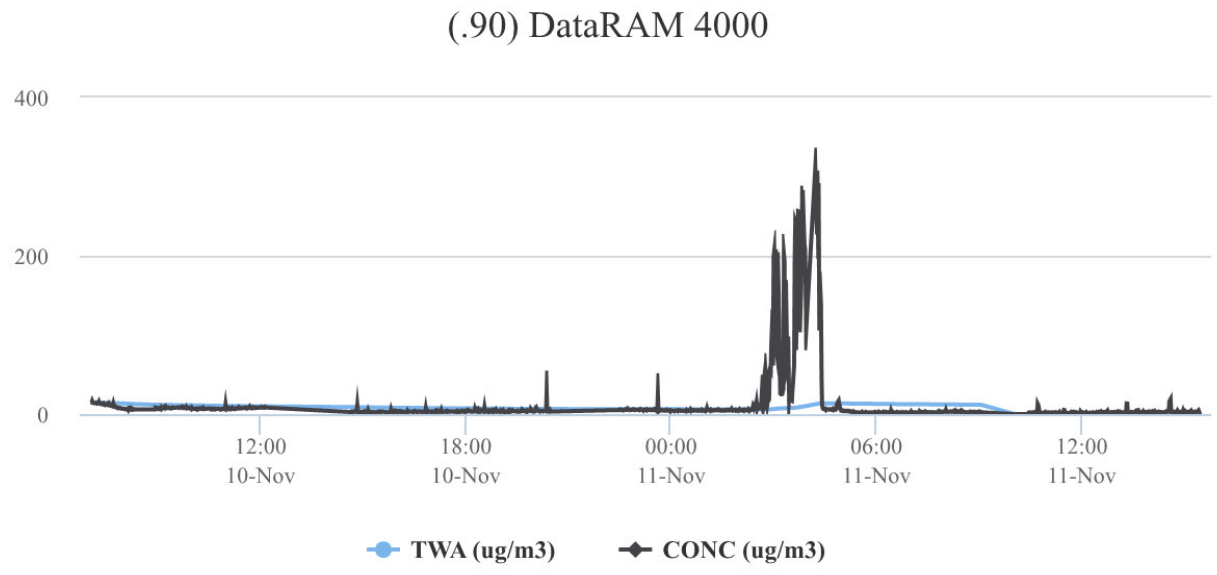
The DataRAM attached to Linc 73 was located at AS012 (Guard Shack). Missing data time periods include 13:20 – 15:52 on 11/10/16, 2:14 – 5:26 and 11:39 – 12:10 on 11/11/16.



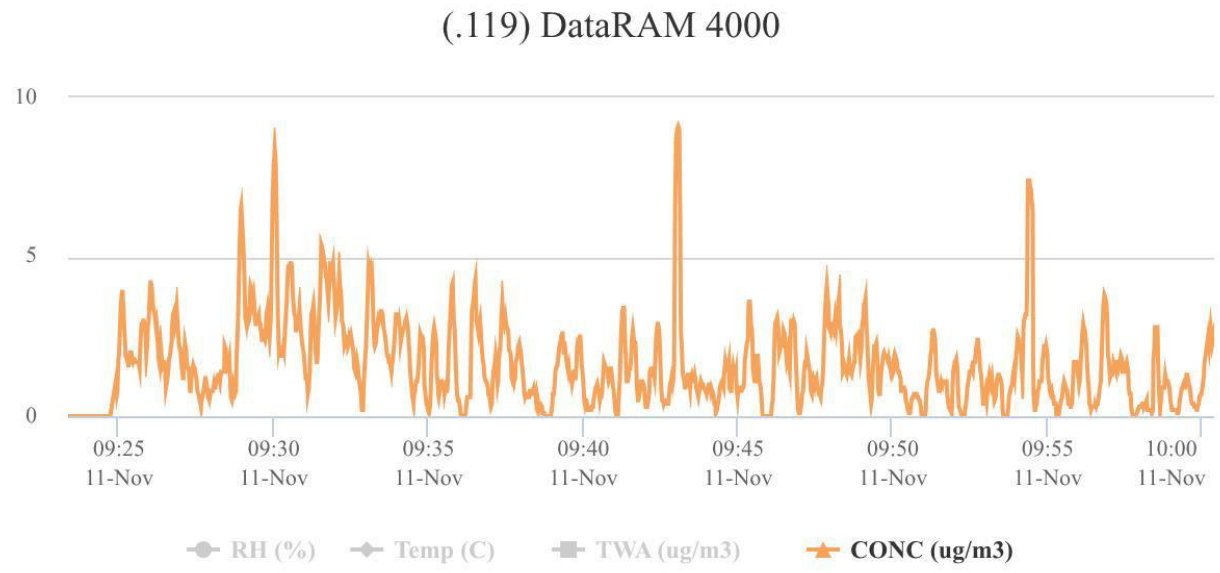
The DataRAM attached to Linc 68 was located at AS009 (Mirriam Ave and Electric Ave). Missing data time periods include 10:59 – 11:56 and 13:32 – 15:05 on 11/10/16, 8:25 – 9:40 on 11/11/16.



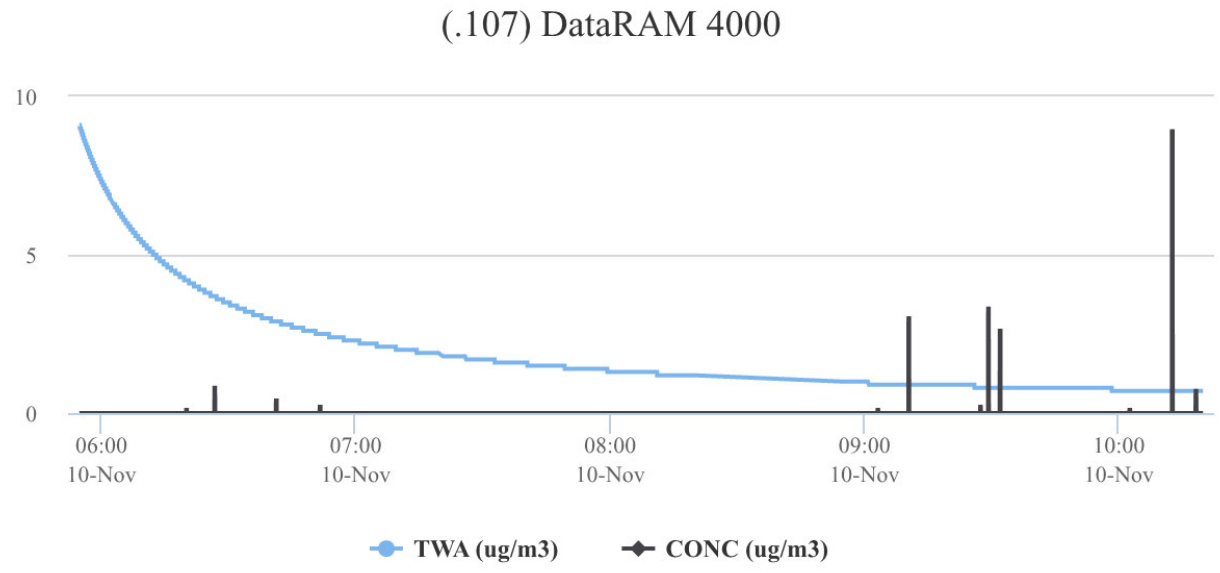
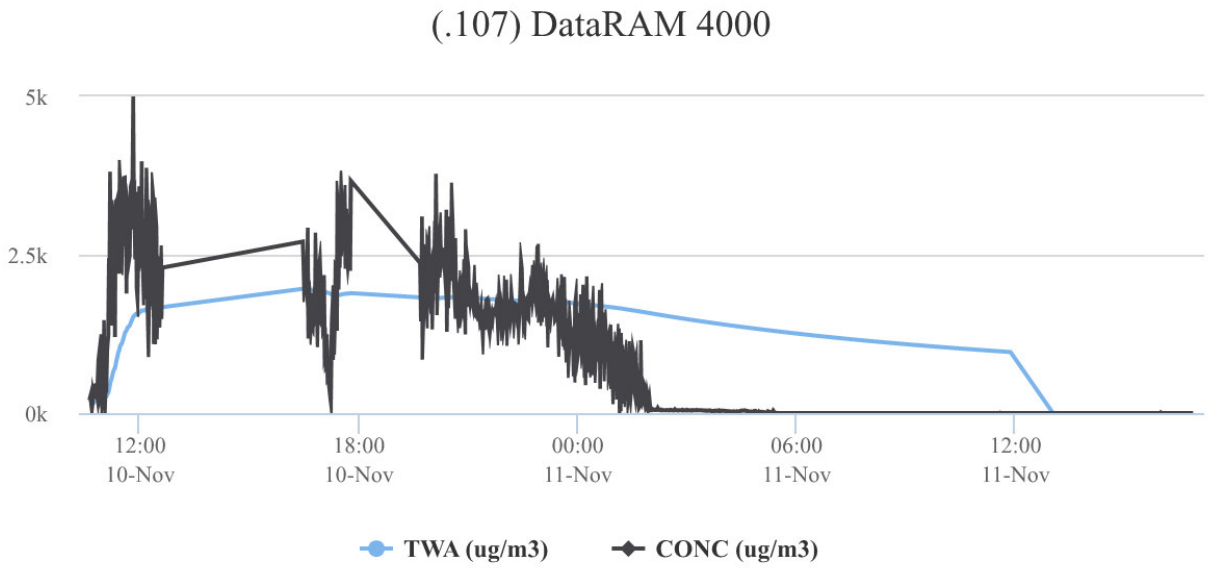
The DataRAM attached to Linc 90 was located at AS010 (Van Wyck Ball Fields). Missing data time periods include 12:08 – 14:39 and 20:28-22:25 on 11/10/16, 9:03-10:03 on 11/11/16.



The DataRAM attached to Linc 119 was located at AS017 (Milestrip Expy and Electric Ave). Instrument and communications were inhibited during the event. The following graph depicts a valid data period.



The DataRAM attached to Linc 107 was initially located at AS004 (Frontier High School) from 5:51 until 10:19 on 11/10/16. The following graph depicts the monitoring results from the High School. Missing data time periods include 8:19 – 8:54 on 11/10/16.



The DataRAM attached to Linc 107 was moved to the AB Courts location and initialized at 10:37 on 11/10/16. The following graph depicts the monitoring results from the AB Courts location. Missing data time periods include 12:36 – 16:27 and 17:46 – 19:40 on 11/10/16.