SCA Environmental, Inc.

DAILY REPORT

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PROJECT NAME **Sherwin-Wiilams, Emeryville, CA**

Sent to:	**Name**
SCA	Chuck Siu
CDM	D Cline

SCA PRJ # B10036
Zone: Main
Activities: Cleaning
Inspected by: JY
Date: Mon 6/13/11
Reviewed by: CS
Date: Sun 6/19/11

Miscellaneous Info
No. Workers On Site (est.)

Work In Progress: Shift of
Background sampling

Fenceline Air Sampling Results	**Station 1**	**Station 2**	**Station 3**	**Station 4**	**Station 5**	**Station 6**	**Station 7**	**Standards (subchronic)**	**Standards (acute)**
Arsenic(respirable) AM µg/m^3	NA	NA	NA	NA	NA	NA	NA	0.015	0.200
Arsenic(respirable) PM µg/m^3	NA	NA	NA	NA	NA	NA	NA	0.015	0.200
Arsenic(respirable) nite µg/m^3	NA	NA	NA	NA	NA	NA	NA	0.015	0.200
Lead (respirable) µg/m^3	NA	NA	NA	NA	NA	NA	NA	0.15	50.00
Benzene µg/m^3	NA	NA	NA	NA	NA	NA	NA	0.6	29
MEK µg/m^3	NA	NA	NA	NA	NA	NA	NA	737	45331
1,2-dichloroethane µg/m^3	NA	NA	NA	NA	NA	NA	NA	0.03	9986
ethylbenzene µg/m^3	NA	NA	NA	NA	NA	NA	NA	8.9	737
tetrachlorethene µg/m^3	NA	NA	NA	NA	NA	NA	NA	0.2	1358
toluene µg/m^3	NA	NA	NA	NA	NA	NA	NA	300	603
trichloroethene µg/m^3	NA	NA	NA	NA	NA	NA	NA	0.7	7309
1,2,4-trimethylbenzene µg/m^3	NA	NA	NA	NA	NA	NA	NA	12	11798
1,3,5-trimethylbenzene µg/m^3	NA	NA	NA	NA	NA	NA	NA	12	11798
vinyl chloride µg/m^3	NA	NA	NA	NA	NA	NA	NA	0.01	647
xylenes µg/m^3	NA	NA	NA	NA	NA	NA	NA	434	1302

								Action Levels (subchronic)	Action Levels (acute)
Resp Dust(4-hr avg, AM 7:30-11:30) µg/m^3	12.39	7.35	11.69	9.95	8.34	13.31	11.61	23.47	58.47
Resp Dust(4-hr avg, PM 11:30-15:30) µg/m^3	11.66	9.54	11.48	9.45	6.45	10.39	10.56	24.62	59.62
Resp Dust(16-hr avg, nite 15:30-7:30 next day) µg/m^3	18.11	15.22	17.52	14.67	11.53	19.36	16.90	30.33	65.33
Total VOCs (4-hr avg, AM 7:30-11:30) ppmv	0.045	0.020	0.071	0.045	0.014	0.027	0.100	0.461	20.879
Total VOCs (4-hr avg, PM 11:30-15:30) ppmv	0.005	0.017	0.047	0.023	0.011	0.016	0.099	0.456	20.875
Total VOCs (16-hr avg, nite 15:30-7:30 next day) ppmv	0.017	0.028	0.044	0.069	0.007	0.037	0.084	0.465	20.883

	Station 1		**Station 2**		**Station 3**		**Station 4**		**Station 5**		**Station 6**		**Station 7**	
% of Standards or Action Levels	**Subchronic**	**Acute**	**Subchronic**	**Acute**	**Subchronic**	**Acute**	**Subchronic**	**Acute**	**Subchronic**	**Acute**	**Subchronic**	**Acute**	**Subchronic**	**Acute**
Arsenic(respirable) AM %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic(respirable) PM %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic(respirable) nite %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead (respirable) %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MEK %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-dichloroethane %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachlorethene %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-trimethylbenzene %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-trimethylbenzene %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
vinyl chloride %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes %	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Resp Dust(4-hr avg, AM 7:30-11:30) µg/m^3 %	53%	21%	31%	13%	50%	20%	42%	17%	36%	14%	57%	23%	49%	20%
Resp Dust(4-hr avg, PM 11:30-15:30) µg/m^3 %	47%	20%	39%	16%	47%	19%	38%	16%	26%	11%	42%	17%	43%	18%
Resp Dust(16-hr avg, nite 15:30-7:30 next day) µg/m^3 %	60%	28%	50%	23%	58%	27%	48%	22%	38%	18%	64%	30%	56%	26%
Total VOCs (4-hr avg, AM 7:30-11:30) ppmv %	9.8%	0.2%	4.3%	0.1%	15.4%	0.3%	9.8%	0.2%	3.0%	0.1%	5.9%	0.1%	21.7%	0.5%
Total VOCs (4-hr avg, PM 11:30-15:30) ppmv %	1.1%	0.0%	3.7%	0.1%	10.3%	0.2%	5.0%	0.1%	2.4%	0.1%	3.5%	0.1%	21.7%	0.5%
Total VOCs (16-hr avg, nite 15:30-7:30 next day) ppmv %	3.7%	0.1%	6.0%	0.1%	9.5%	0.2%	14.9%	0.3%	1.5%	0.0%	8.0%	0.2%	18.1%	0.4%

Comments/Detailed Description of Conditions:

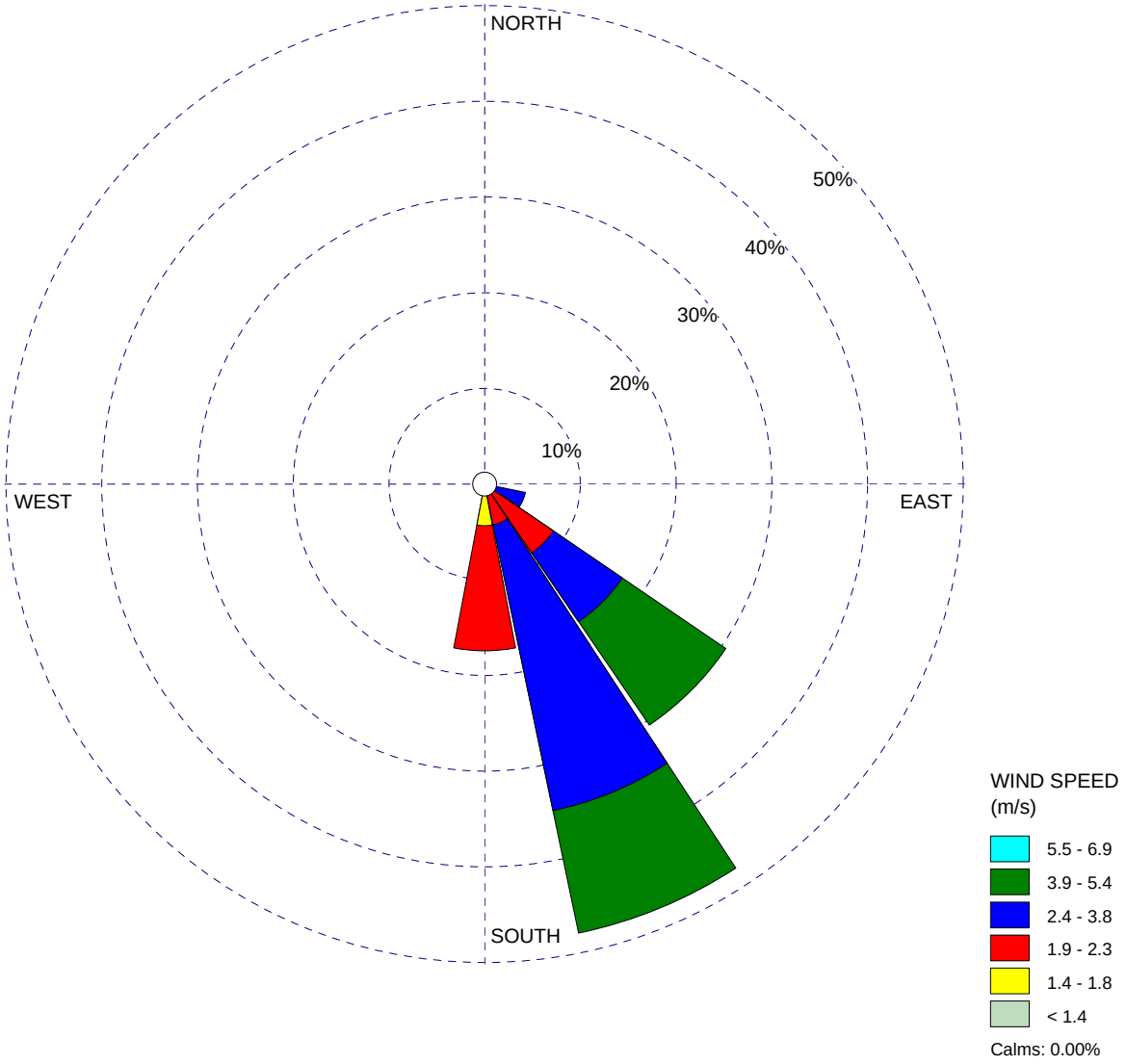
Action levels on the above table were calculated by summing background data of the upwind stations & Vadose Zone Soils removal action levels.

WIND ROSE PLOT:

Station #SW

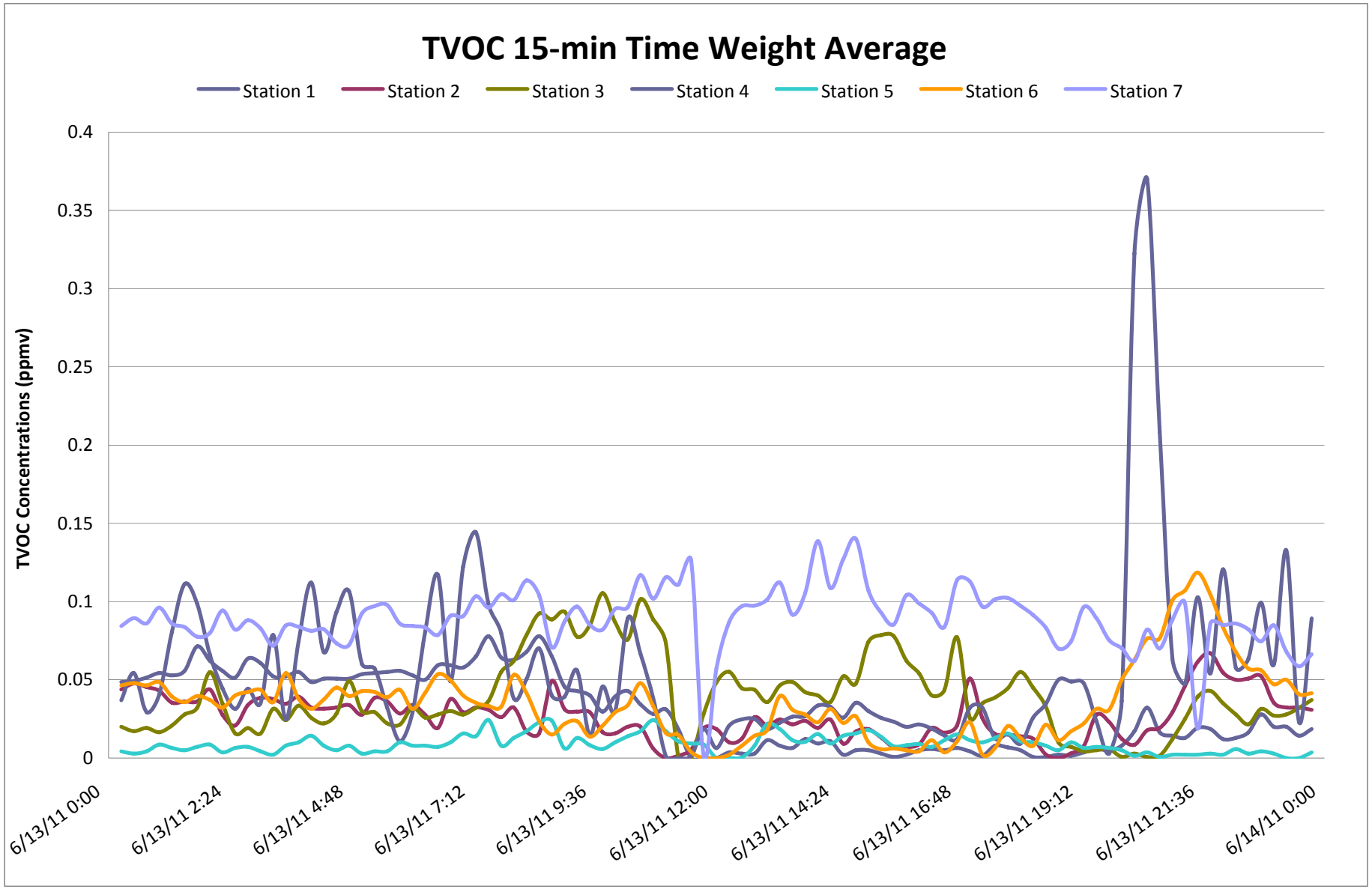
DISPLAY:

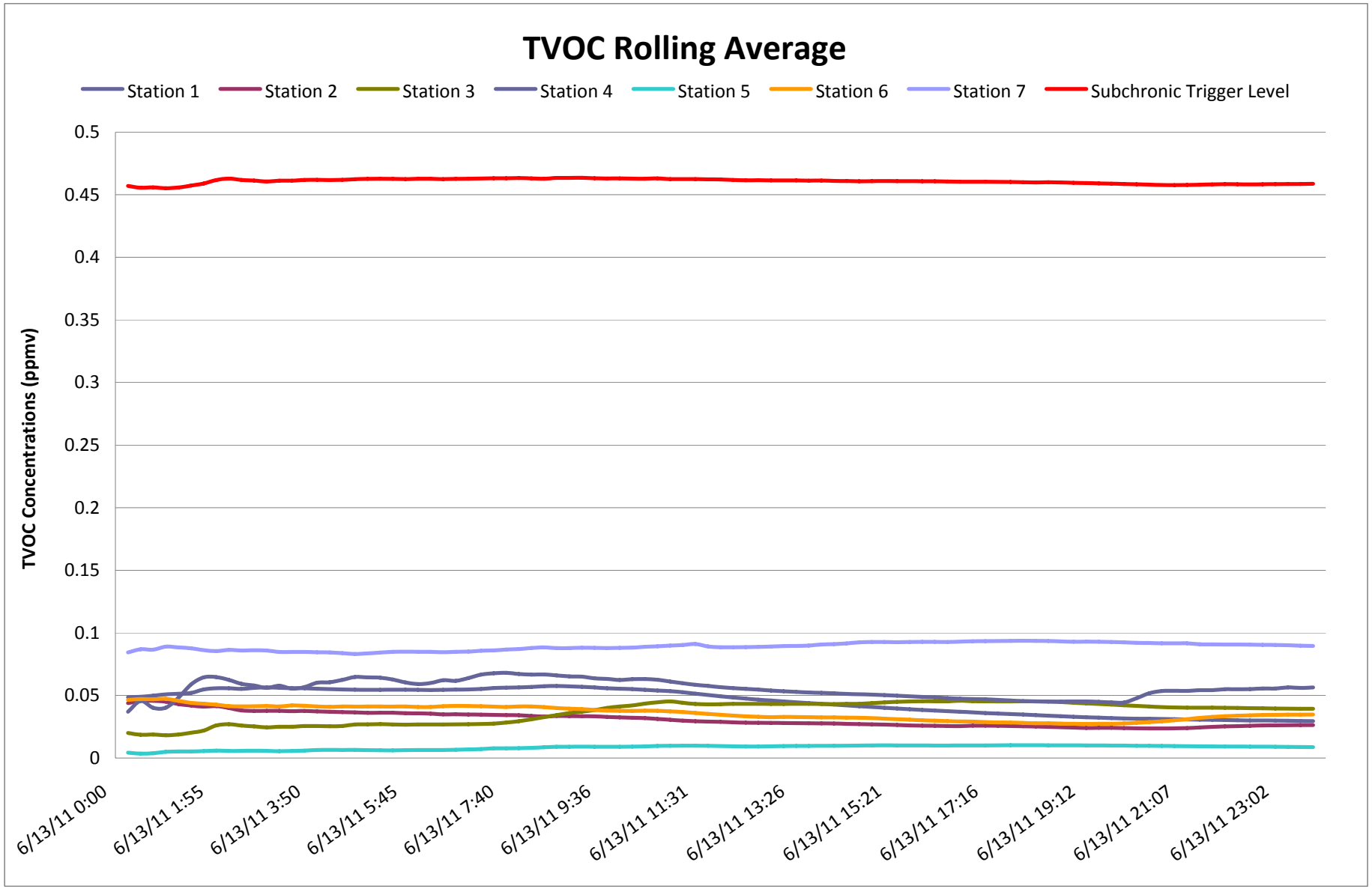
Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 6/13/2011 - 01:00 **End Date: 6/13/2011 - 23:00**	**CDM & SCA**	
		MODELER:	
	CALM WINDS: **0.00%**	TOTAL COUNT: **23 hrs.**	
	AVG. WIND SPEED: **2.57 m/s**	DATE: **6/15/2011**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software


TVOC 15-min Time Weight Average
Station 1
Station 2
Station 3
Station 4
Station 5
Station 6
Station 7
TVOC Concentrations (ppmv)
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
6/13/11 0:00
6/13/11 2:24
6/13/11 4:48
6/13/11 7:12
6/13/11 9:36
6/13/11 12:00
6/13/11 14:24
6/13/11 16:48
6/13/11 19:12
6/13/11 21:36
6/14/11 0:00


TVOC Rolling Average
Station 1
Station 2
Station 3
Station 4
Station 5
Station 6
Station 7
Subchronic Trigger Level
TVOC Concentrations (ppmv)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
6/13/11 0:00
6/13/11 1:55
6/13/11 3:50
6/13/11 5:45
6/13/11 7:40
6/13/11 9:36
6/13/11 11:31
6/13/11 13:26
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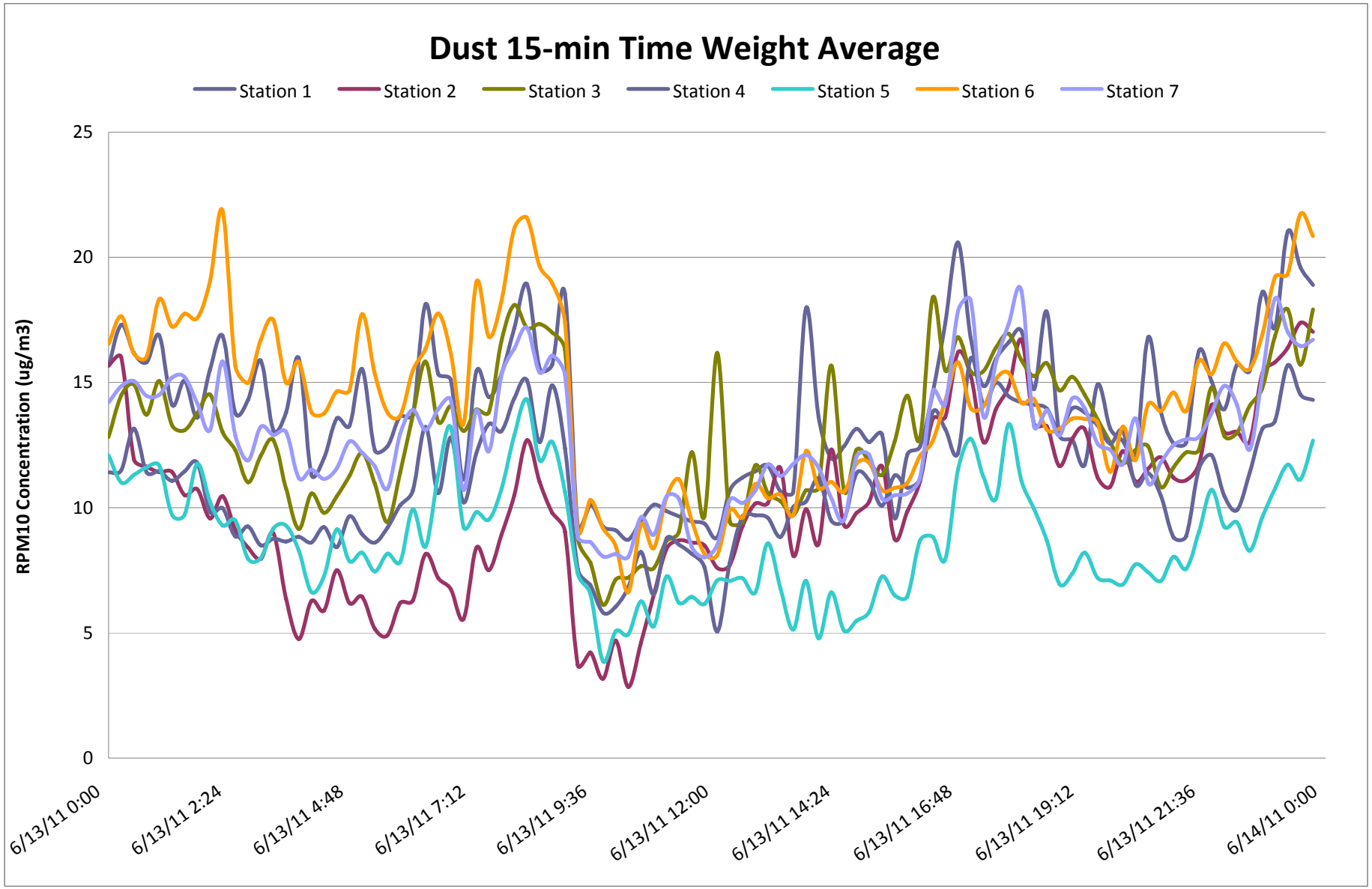
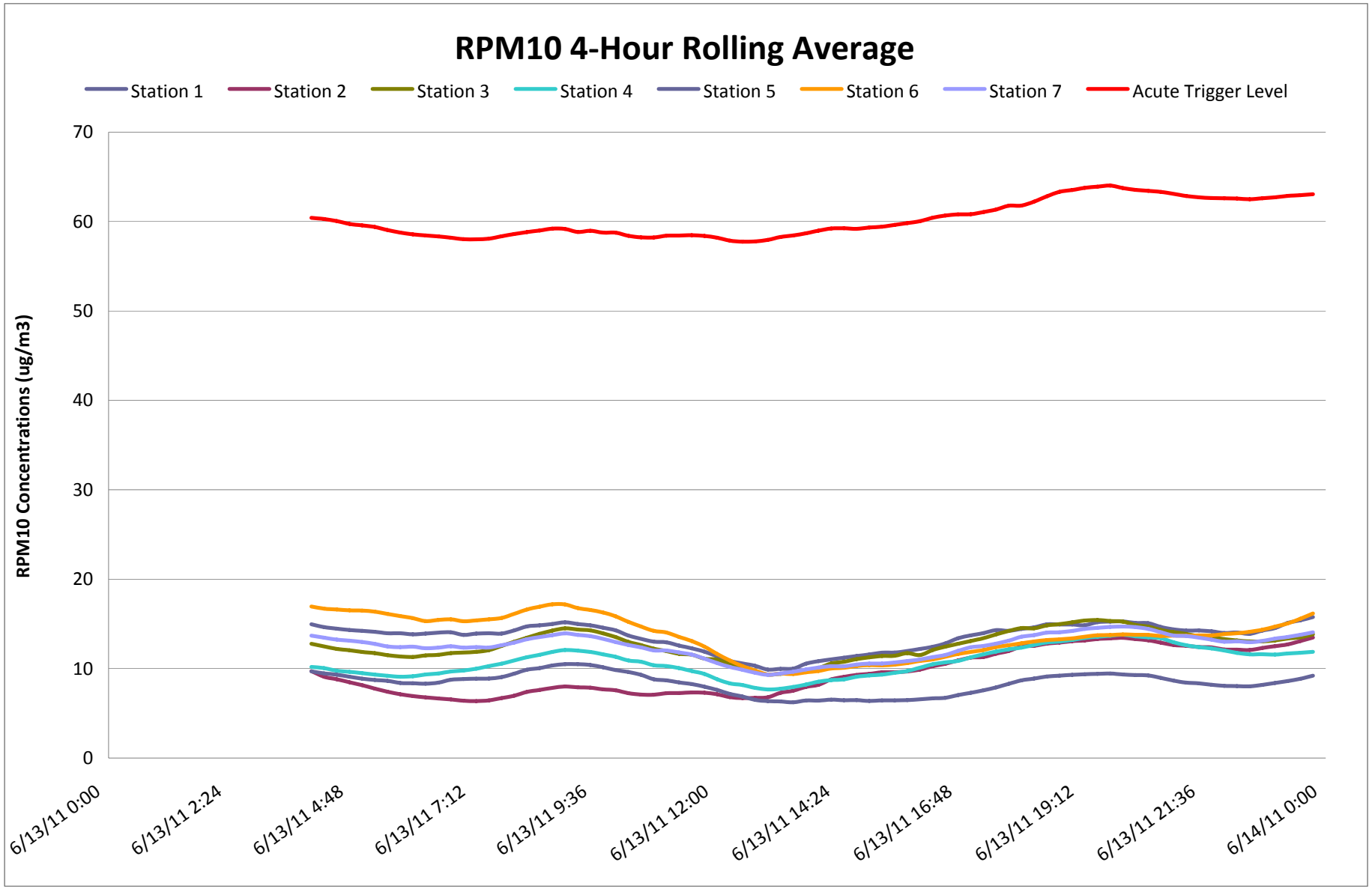
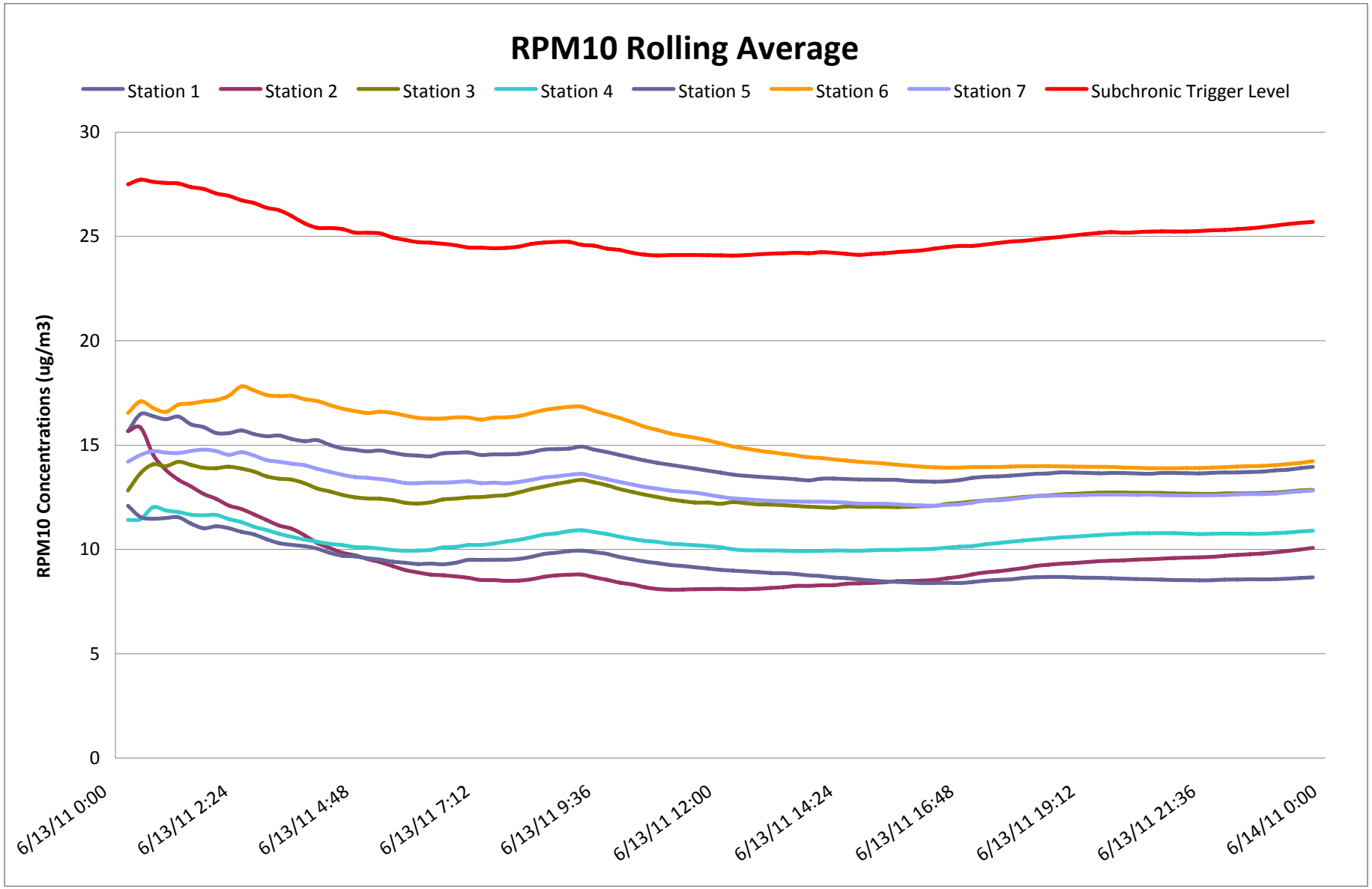
6/13/11 17:16
6/13/11 19:12
6/13/11 21:07
6/13/11 23:02


Dust 15-min Time Weight Average
Station 1
Station 2
Station 3
Station 4
Station 5
Station 6
Station 7
RPM10 Concentration (ug/m3)
25
20
15
10
5
0
6/13/11 0:00
6/13/11 2:24
6/13/11 4:48
6/13/11 7:12
6/13/11 9:36
6/13/11 12:00
6/13/11 14:24
6/13/11 16:48
6/13/11 19:12
6/13/11 21:36
6/14/11 0:00


RPM10 4-Hour Rolling Average
Station 1
Station 2
Station 3
Station 4
Station 5
Station 6
Station 7
Acute Trigger Level
RPM10 Concentrations (ug/m3)
70
60
50
40
30
20
10
0
6/13/11 0:00
6/13/11 2:24
6/13/11 4:48
6/13/11 7:12
6/13/11 9:36
6/13/11 12:00
6/13/11 14:24
6/13/11 16:48
6/13/11 19:12
6/13/11 21:36
6/14/11 0:00


RPM10 Rolling Average
Station 1
Station 2
Station 3
Station 4
Station 5
Station 6
Station 7
Subchronic Trigger Level
RPM10 Concentrations (ug/m3)
30
25
20
15
10
5
0
6/13/11 0:00
6/13/11 2:24
6/13/11 4:48
6/13/11 7:12
6/13/11 9:36
6/13/11 12:00
6/13/11 14:24
6/13/11 16:48
6/13/11 19:12
6/13/11 21:36
6/14/11 0:00