Sherwin-Williams Site Cleanup
Emeryville, California

July 22, 2011

1450 Sherwin Avenue, Emeryville, CA

This is a weekly summary of site activities and perimeter air monitoring starting for the week of July 4 and going through July 8, 2011. Following is a brief overview of site activities occurring during this period and a discussion of air monitoring results compared to site action levels. Charts and figures are attached which show running averages for contaminants of concern having detections during air sampling; Respirable Particulate Matter of 10 micrometers or less (RPM10) running averages; Total Volatile Organic Compounds (TVOC) running averages; and wind speed and direction.

Site Activities
Site activities include: excavation of the HVOC area in the rail spur intersection; excavation of asphalt, concrete and shallow soil in the first layer of vadose zone material beneath the raised cap; loading of rail cars with non-RCRA but CA regulated materials; installation of the "H" beams for the shoring system; installation of fences around worker parking area; sealing of the underside of the sidewalk canopy; and preparation for entrance ramp construction. All excavated material was considered potentially hazardous waste to be hauled offsite by railcars. All excavated material was stockpiled for sampling and characterization. A total of 31 railcars have been loaded since the beginning of excavation work for offsite disposal at ECDC landfill in East Carbon, Utah. Dust control measures conducted during the excavation and loading activities included spraying by water trucks, perimeter high pressure mist lines, mobile emission control modules (MECs), dust suppressant (T-200) and hydrosealer. Perimeter air monitoring occurred continuously through the week.

Air Monitoring No exceedances of air quality standards occurred during the week with the exception of benzene at Air Monitoring Station (AMS) #3. On July 6, 2011, the running average for benzene went above the subchronic performance standard of 0.6 $\mu g/m^3$ at 0.618 $\mu g/m^3$. Benzene was detected at lower concentrations the subsequent days and the running average of benzene was below the performance standard the rest of the week. It should also be noted that the background benzene concentration of benzene ranged from 0.7 to 1.7 $\mu g/m^3$ when background ambient air samples were collected from January 26 to 29, 2011. Aerosol particles less than 10 micrometers from the perimeter mister lines are being measured in the dust monitors at the site perimeter. To account for the influence of the misters on the RPM10 levels, a delta value was added to the action level. This approach has been validated by air sample collection and analysis. Subsequent 4 hour rolling averages for RPM10 have been below the action levels at all AMSs. Running averages for TVOC and RPM10 since the start of the project continue to be below their respective action levels at all AMSs.

If you have any questions please feel free to contact us via the 24-hour toll-free Community Hotline (866)848-5307.

Camp Dresser & McKee Inc.

SCA Environmental, Inc.

DAILY REPORT

	Tel	Fax
334 19th St, Oakland, CA 94612	510-6456200	415-9620736
650 Delancey St, #222, SF, CA 94107	415-8821675	415-9620736
5777 W. Century Blvd, #1055, LA, CA 90045	310-2580460	415-9620736

PROJECT NAME — **Sherwin-Williams, Emeryville, CA**

		Sent to:	Name
SCA PRJ #	B10036	SCA	Chuck Siu
Zone:	Activities:	CDM	D Cline
Inspected by: JY	Date: Tue 7/5/11		P.Sharma
Reviewed by: CS			

Daily Results (*metal samples are 5hrs, 5hrs & 14hrs samples)	Station 2	Station 3	Station 5	Standards (acute)
Arsenic(respirable) AM µg/m³ (5hr samples)	<0.008	<0.008	0.097	N/A
Arsenic(respirable) PM µg/m³ (5hr samples)	<0.008	0.051	0.028	N/A
Arsenic(respirable) nite µg/m³	<0.003	<0.003	<0.003	N/A
Lead(respirable) AM µg/m³	0.008	0.010	0.048	N/A
Lead(respirable) PM µg/m³	<0.008	0.033	0.011	N/A
Lead(respirable) nite µg/m³	<0.003	<0.003	<0.003	N/A
Benzene µg/m³	0.34	0.82	0.34	29
MEK µg/m³	<30	<30	<30	45331
1,2-dichloroethane µg/m³	<0.03	<0.03	<0.03	9986
ethylbenzene µg/m³	<0.44	2.9	<0.44	737
tetrachlorethene µg/m³	<0.17	<0.17	<0.17	1358
toluene µg/m³	0.7	64.0	2.5	603
trichloroethene µg/m³	<0.55	<0.55	<0.55	7309
1,2,4-trimethylbenzene µg/m³	<0.5	0.74	<0.5	11798
1,3,5-trimethylbenzene µg/m³	<0.5	<0.5	<0.5	11798
vinyl chloride µg/m³	<0.01	<0.01	<0.01	647
xylenes µg/m³	<13	15	<13	1302
Converted 5hr Arsenic Sample results to 4hr results, 24hrTWA results for Arsenic & 24TWA results for Lead(*if AM, PM & Nite samples are all non detected for the same station, use the highest detection limit value as the TWA for that station. If there is detection, calculate using the detection value & detection limit values				Acute Standard
Arsenic(respirable) AM µg/m³	<0.008	<0.008	0.121	0.20
Arsenic(respirable) PM µg/m³	<0.008	0.064	0.035	0.20
Arsenic 24HR TWA µg/m³	<0.008	<0.014	<0.028	N/A
Lead 24HR TWA µg/m³	<0.005	<0.011	<0.014	N/A
Running Averages	**Station 2**	**Station 3**	**Station 5**	**Standard (subchronic)**
Arsenic(respirable) µg/m³	<0.010	<0.011	<0.012	0.015
Lead (respirable) µg/m³	<0.009	<0.015	<0.009	0.15
Benzene µg/m³	0.43	0.58	0.39	0.6
MEK µg/m³	<30	<30	<30	737
1,2-dichloroethane µg/m³	<0.03	<0.03	<0.03	0.03
ethylbenzene µg/m³	<0.09	<0.36	<0.09	8.9
tetrachlorethene µg/m³	<0.17	<0.17	<0.17	0.2
toluene µg/m³	1.2	7.5	1.35	300
trichloroethene µg/m³	<0.55	<0.55	<0.55	0.7
1,2,4-trimethylbenzene µg/m³	<0.5	<0.57	<0.51	12
1,3,5-trimethylbenzene µg/m³	<0.5	<0.5	<0.5	12
vinyl chloride µg/m³	<0.01	<0.01	<0.01	0.01
xylenes µg/m³	<13	<13.18	<13	434

SCA Environmental, Inc.

DAILY REPORT

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5777 W. Century Blvd, #1055, LA, CA 90045	310-2580460	415-9620736

Tel **Fax**

PROJECT NAME **Sent to:** **Name**

Sherwin-Williams, Emeryville, CA SCA Chuck Siu

SCA PRJ # B10036 CDM D Cline

Zone: Activities: P.Sharma

Inspected by: JY Date: Wed 7/6/11

Reviewed by: CS

Daily Results (*metal samples are 5hrs, 5hrs, &14hrs samples)	Station 2	Station 3	Station 5	Standards (acute)
Arsenic(respirable) AM µg/m³ (5hr samples)	<0.008	0.013	0.024	N/A
Arsenic(respirable) PM µg/m³ (5hr samples)	<0.008	0.026	0.025	N/A
Arsenic(respirable) nite µg/m³	<0.003	<0.003	<0.003	N/A
Lead(respirable) AM µg/m³	<0.008	0.068	0.017	N/A
Lead(respirable) PM µg/m³	<0.01	0.012	0.011	N/A
Lead(respirable) nite µg/m³	<0.003	<0.003	<0.003	N/A
Benzene µg/m³	0.21	1.0	0.21	29
MEK µg/m³	<30	<30	<30	45331
1,2-dichloroethane µg/m³	<0.03	<0.03	<0.03	9986
ethylbenzene µg/m³	<0.44	4.2	<0.44	737
tetrachlorethene µg/m³	<0.17	<0.17	<0.17	1358
toluene µg/m³	0.4	68.0	5.1	603
trichloroethene µg/m³	<0.55	<0.55	<0.55	7309
1,2,4-trimethylbenzene µg/m³	<0.5	1.4	<0.5	11798
1,3,5-trimethylbenzene µg/m³	<0.5	<0.5	<0.5	11798
vinyl chloride µg/m³	<0.01	<0.01	<0.01	647
xylenes µg/m³	<13	25	<13	1302

Converted 5hr Arsenic Sample results to 4hr results, 24hrTWA results for Arsenic & 24TWA results for Lead(*if AM, PM & Nite samples are all non detected for the same station, use the highest detection limit value as the TWA for that station. If there is detection, calculate using the detection value & detection limit values

				Acute Standard
Arsenic(respirable) AM µg/m³	<0.008	0.016	0.030	0.20
Arsenic(respirable) PM µg/m³	<0.008	0.033	0.031	0.20
Arsenic 24HR TWA µg/m³	<0.008	<0.010	<0.012	N/A
Lead 24HR TWA µg/m³	<0.008	<0.018	<0.008	N/A

Running Averages	Station 2	Station 3	Station 5	Standard (subchronic)
Arsenic(respirable) µg/m³	<0.010	<0.011	<0.012	0.015
Lead (respirable) µg/m³	<0.009	<0.015	<0.009	0.15
Benzene µg/m³	0.41	0.618*	0.37	0.6
MEK µg/m³	<30	<30	<30	737
1,2-dichloroethane µg/m³	<0.03	<0.03	<0.03	0.03
ethylbenzene µg/m³	<0.08	<0.68	<0.08	8.9
tetrachlorethene µg/m³	<0.17	<0.17	<0.17	0.2
toluene µg/m³	1.14	12.54	1.67	300
trichloroethene µg/m³	<0.55	<0.55	<0.55	0.7
1,2,4-trimethylbenzene µg/m³	<0.5	<0.64	<0.51	12
1,3,5-trimethylbenzene µg/m³	<0.5	<0.5	<0.5	12
vinyl chloride µg/m³	<0.01	<0.01	<0.01	0.01
xylenes µg/m³	<13	<14.17	<13	434

***Benzene background concentrations range (0.7to 1.7 µg/m^3) for period 1/26/11 to 1/29/11**

SCA Environmental, Inc.

DAILY REPORT

		Tel	Fax
	334 19th St, Oakland, CA 94612	510-6456200	415-9620736
	650 Delancey St, #222, SF, CA 94107	415-8821675	415-9620736
	5777 W. Century Blvd, #1055, LA, CA 90045	310-2580460	415-9620736

PROJECT NAME	**Sherwin-Williams, Emeryville, CA**	**Sent to:**	**Name**
SCA PRJ #	B10036	SCA	Chuck Siu
Zone:	Activities:	CDM	D Cline
Inspected by: JY	Date: Thu 7/7/11		P.Sharma
Reviewed by: CS			

Daily Results (*metal samples are 5hrs, 5hrs, &14hrs samples)	Station 2	Station 3	Station 5	Standards (acute)
Arsenic(respirable) AM µg/m³ (5hr samples)	<0.008	0.013	0.017	N/A
Arsenic(respirable) PM µg/m³ (5hr samples)	<0.008	0.015	0.017	N/A
Arsenic(respirable) nite µg/m³	<0.003	<0.003	<0.003	N/A
Lead(respirable) AM µg/m³	<0.008	0.017	0.014	N/A
Lead(respirable) PM µg/m³	<0.008	0.010	0.012	N/A
Lead(respirable) nite µg/m³	0.018	0.004	0.003	N/A
Benzene µg/m³	0.22	0.28	0.27	29
MEK µg/m³	<30	<30	<30	45331
1,2-dichloroethane µg/m³	<0.03	<0.03	<0.03	9986
ethylbenzene µg/m³	<0.44	0.51	1.9	737
tetrachlorethene µg/m³	<0.17	<0.17	<0.17	1358
toluene µg/m³	0.6	5.1	29.0	603
trichloroethene µg/m³	<0.55	<0.55	<0.55	7309
1,2,4-trimethylbenzene µg/m³	<0.5	<0.5	0.84	11798
1,3,5-trimethylbenzene µg/m³	<0.5	<0.5	<0.5	11798
vinyl chloride µg/m³	<0.01	<0.01	<0.01	647
xylenes µg/m³	<13	<13	13	1302
Converted 5hr Arsenic Sample results to 4hr results, 24hrTWA results for Arsenic & 24TWA results for Lead(*if AM, PM & Nite samples are all non detected for the same station, use the highest detection limit value as the TWA for that station. If there is detection, calculate using the detection value & detection limit values				Acute Standard
Arsenic(respirable) AM µg/m³	<0.008	0.016	0.021	0.20
Arsenic(respirable) PM µg/m³	<0.008	0.019	0.021	0.20
Arsenic 24HR TWA µg/m³	<0.008	<0.008	<0.009	N/A
Lead 24HR TWA µg/m³	<0.014	0.008	0.007	N/A

Running Averages	Station 2	Station 3	Station 5	Standard (subchronic)
Arsenic(respirable) µg/m³	<0.010	<0.011	<0.011	0.015
Lead (respirable) µg/m³	<0.009	<0.015	<0.009	0.15
Benzene µg/m³	0.40	0.59	0.37	0.6
MEK µg/m³	<30	<30	<30	737
1,2-dichloroethane µg/m³	<0.028	<0.028	<0.028	0.03
ethylbenzene µg/m³	<0.08	<0.67	<0.22	8.9
tetrachlorethene µg/m³	<0.17	<0.17	<0.17	0.2
toluene µg/m³	1.1	11.97	3.77	300
trichloroethene µg/m³	<0.55	<0.55	<0.55	0.7
1,2,4-trimethylbenzene µg/m³	<0.5	<0.63	<0.54	12
1,3,5-trimethylbenzene µg/m³	<0.5	<0.5	<0.5	12
vinyl chloride µg/m³	<0.01	<0.01	<0.01	0.01
xylenes µg/m³	<13	<14.08	<13	434

SCA Environmental, Inc.

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PROJECT NAME — **Sherwin-Williams, Emeryville, CA**

Sent to: SCA CDM

Name Chuck Siu, D Cline, P.Sharma

SCA PRJ # B10036

Zone:

Activities:

Inspected by: JY

Date: Fri 7/8/11

Reviewed by: CS

Daily Results (*metal samples are 5hrs& 4.5hrs samples, there were no night time samples since it was weekend)	Station 2	Station 3	Station 5	Standards (acute)
Arsenic(respirable) AM µg/m³ (5hr samples)	<0.008	0.017	0.031	N/A
Arsenic(respirable) PM µg/m³ (4.5hr samples)	<0.009	0.029	0.044	N/A
Arsenic(respirable) nite µg/m³	NA	NA	NA	N/A
Lead(respirable) AM µg/m³	0.023	0.023	0.020	N/A
Lead(respirable) PM µg/m³	<0.009	0.040	0.021	N/A
Lead(respirable) nite µg/m³	NA	NA	NA	N/A
Benzene µg/m³	0.27	0.37	0.36	29
MEK µg/m³	<30	<30	<30	45331
1,2-dichloroethane µg/m³	<0.03	<0.03	<0.03	9986
ethylbenzene µg/m³	<0.44	0.91	1.2	737
tetrachlorethene µg/m³	<0.17	<0.17	<0.17	1358
toluene µg/m³	0.6	9.7	16.0	603
trichloroethene µg/m³	<0.55	<0.55	<0.55	7309
1,2,4-trimethylbenzene µg/m³	<0.5	0.75	0.83	11798
1,3,5-trimethylbenzene µg/m³	<0.5	<0.5	<0.5	11798
vinyl chloride µg/m³	<0.01	<0.01	<0.01	647
xylenes µg/m³	<13	<13	<13	1302

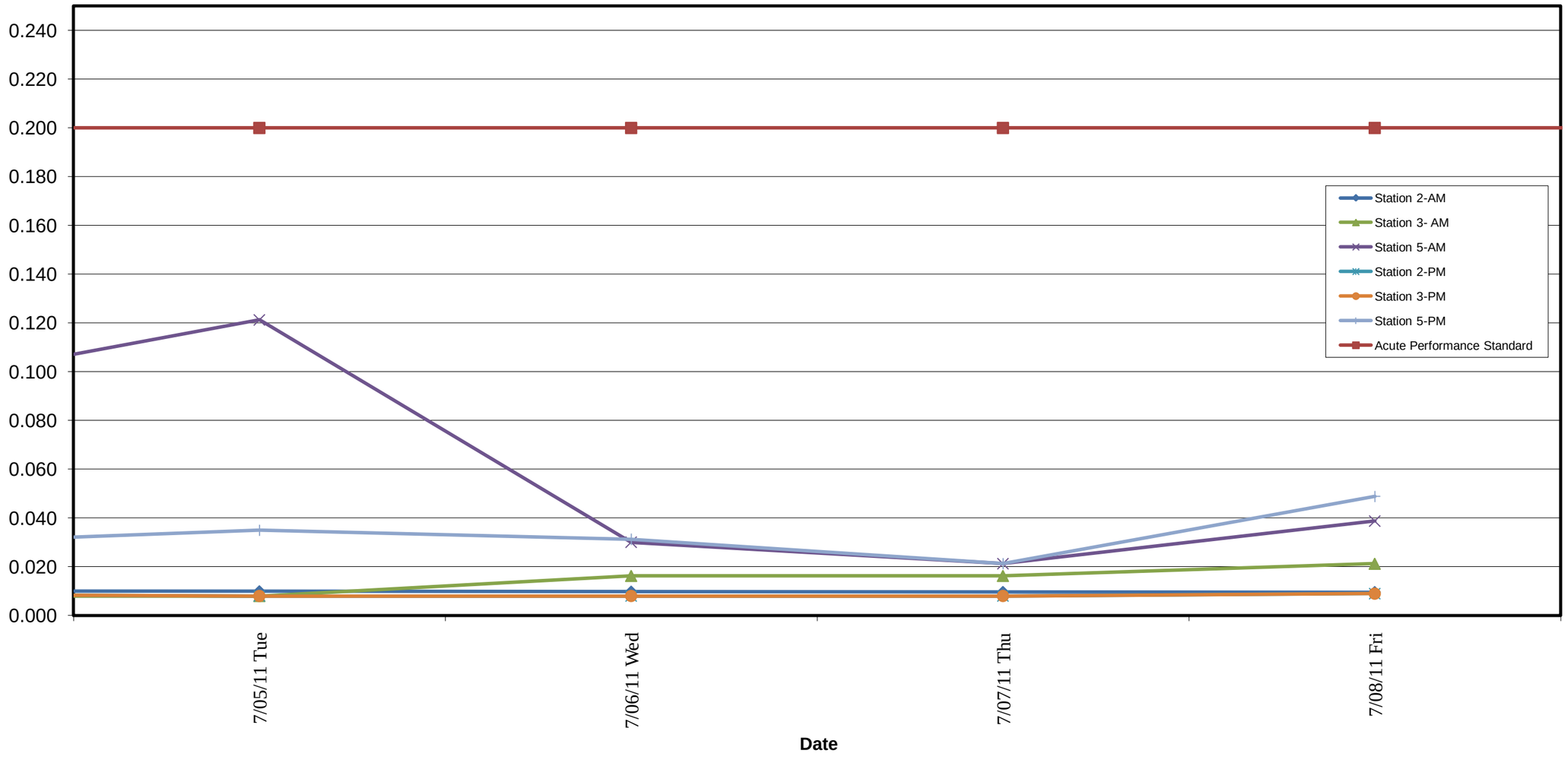
Converted 5hr &4.5hr Arsenic Sample results to 4hr results, TWA results for Arsenic & TWA results for Lead(*if AM& PM samples are all non detected for the same station, use the highest detection limit value as the TWA for that station. If there is detection, calculate using the detection value & detection limit values. Since there was no sampling for Friday night due to the weekend, 24 hr TWA for Friday were from Thursday 5:30pm-Friday 5:30pm)

				Acute Standard
Arsenic(respirable) AM µg/m³	<0.008	0.021	0.039	0.20
Arsenic(respirable) PM µg/m³	<0.009	0.032	0.049	0.20
Arsenic 24 TWA µg/m³	<0.009	<0.011	<0.016	N/A
Lead 24 TWA µg/m³	<0.017	<0.015	<0.010	N/A

Running Averages	Station 2	Station 3	Station 5	Standard (subchronic)
Arsenic(respirable) µg/m³	<0.010	<0.010	<0.011	0.015
Lead (respirable) µg/m³	<0.010	<0.015	<0.009	0.15
Benzene µg/m³	0.39	0.58	0.37	0.6
MEK µg/m³	<30	<30	<30	737
1,2-dichloroethane µg/m³	<0.028	<0.028	<0.028	0.03
ethylbenzene µg/m³	<0.44	<0.94	<0.6	8.9
tetrachlorethene µg/m³	<0.17	<0.17	<0.17	0.2
toluene µg/m³	1.06	11.81	4.64	300
trichloroethene µg/m³	<0.55	<0.55	<0.55	0.7
1,2,4-trimethylbenzene µg/m³	<0.5	<0.64	<0.56	12
1,3,5-trimethylbenzene µg/m³	<0.5	<0.5	<0.5	12
vinyl chloride µg/m³	<0.01	<0.01	<0.01	0.01
xylenes µg/m³	<13	<14	<13	434

Airborne Arsenic Level During Working Days (µg/m^3)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From-07/5-07/08/2011
Analyzed by ICP/MS

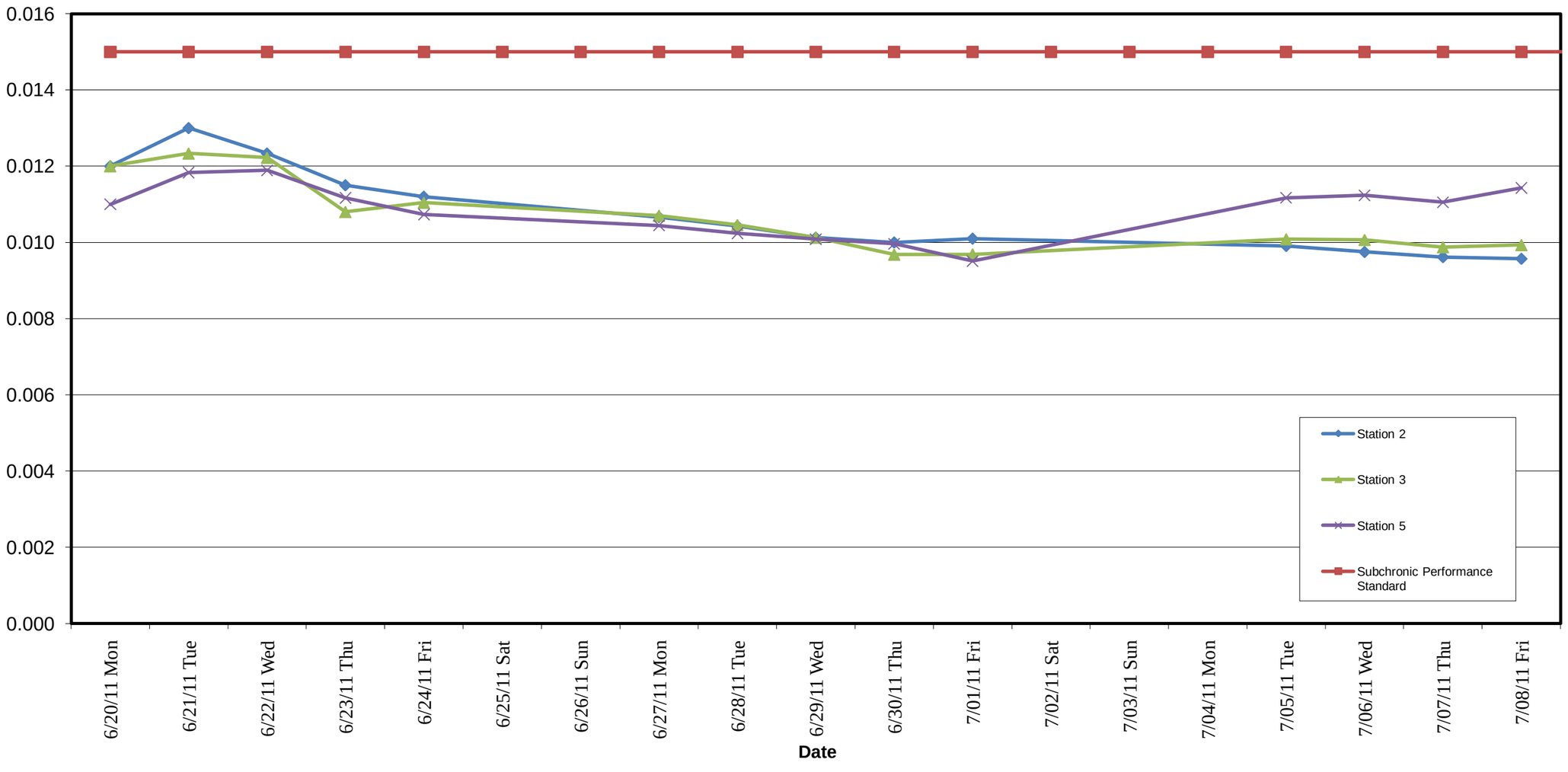
SCA Environmental, Inc.



Note:
a. non-detectable values, are plotted using the detection limit values

Airborne Arsenic Running Average During Working Days (µg/m^3)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From-06/20-07/08/2011
Analyzed by ICP/MS

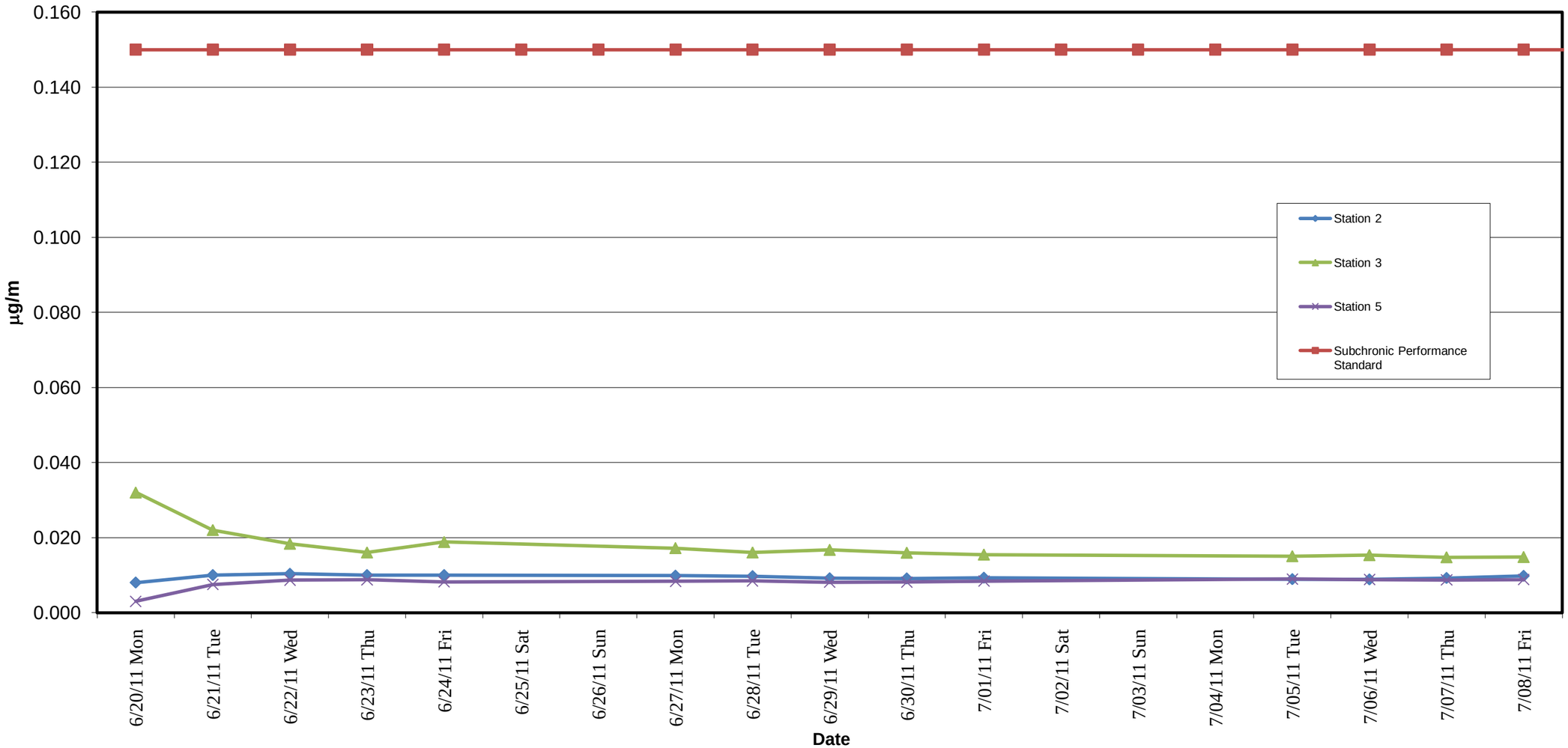
SCA Environmental, Inc.



Note:
a. non-detectable values, are plotted using the detection limit values

Airborne Pb Running Average Druing Working Days (µg/m^3)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From-06/20-0708/2011
Analyzed by ICP/MS

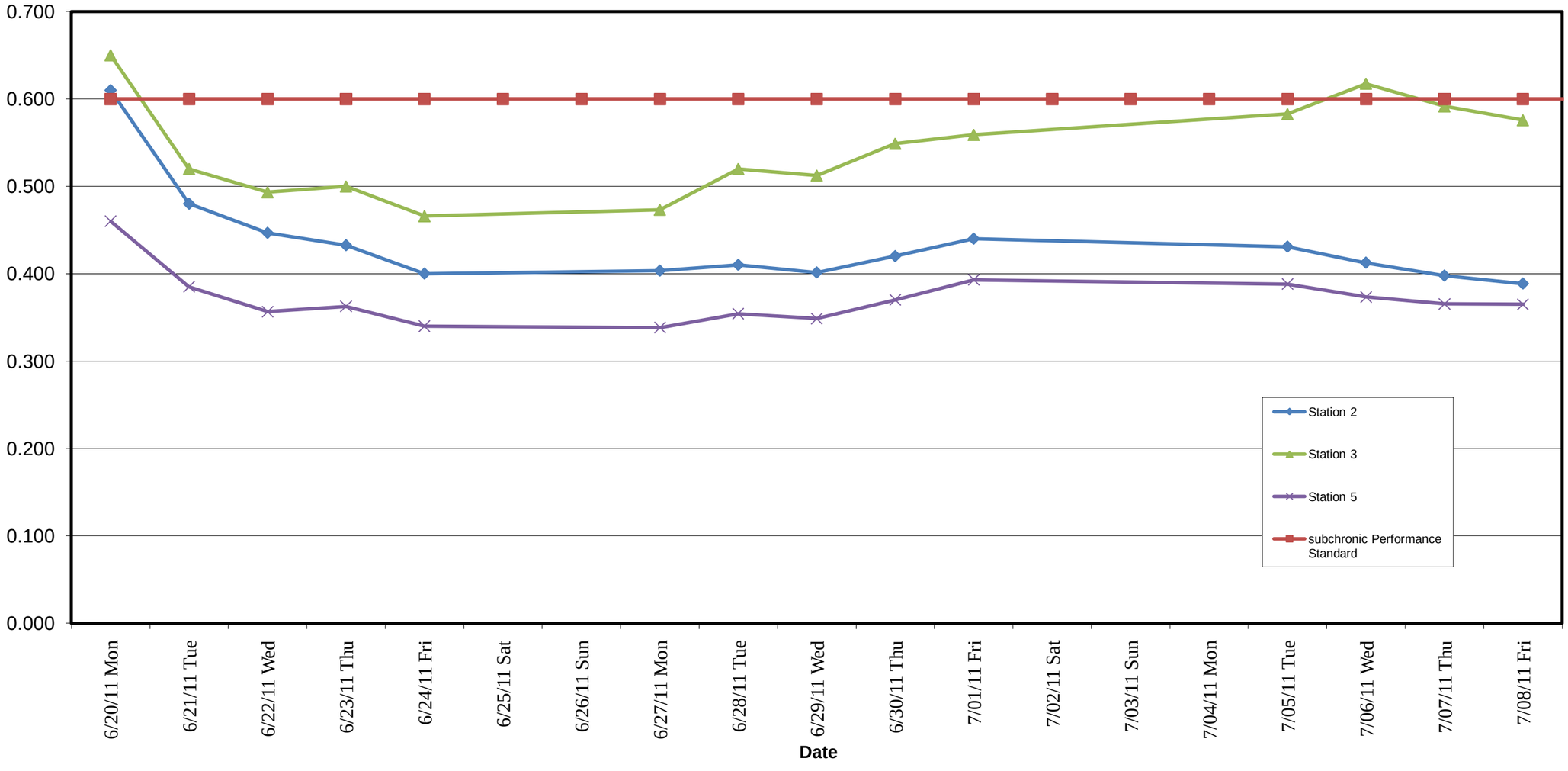
SCA Environmental, Inc.



Note:
a. non-detectable values, are plotted using the detection limit values

Airborne Benzene Running Average During Working Days (µg/m³)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From-06/20-07/08/2011
Summa Canisters Analyzed by TO15

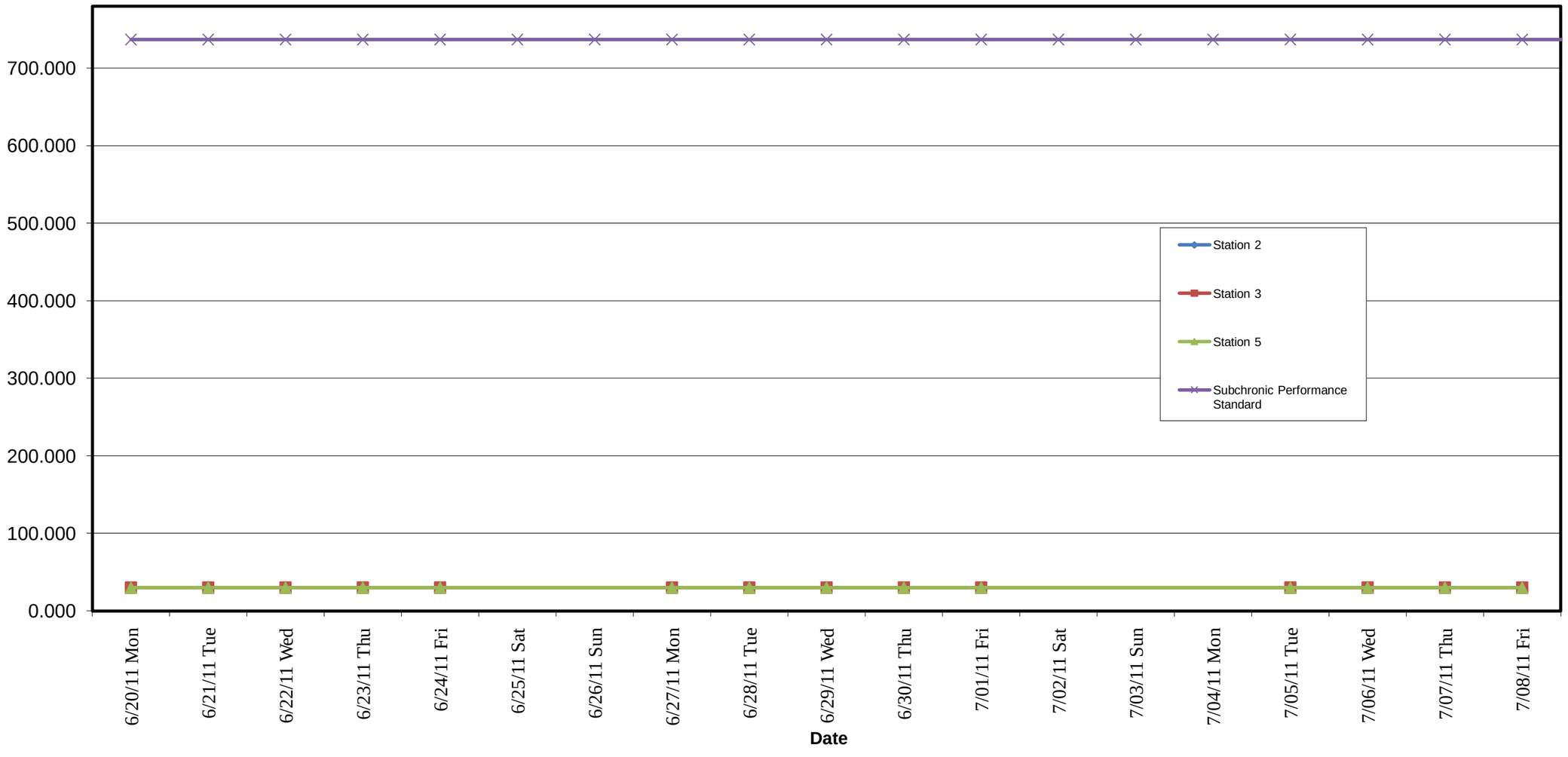
SCA Environmental, Inc.



Note: Detection values reflect the background level

Airborne MEK Running Average During Working Days (µg/m³)
Sherwin-Williams @ Horton & Sherwin, Emeryville -From 06/20-07/08/2011
Summa Canisters Analyzed by TO15

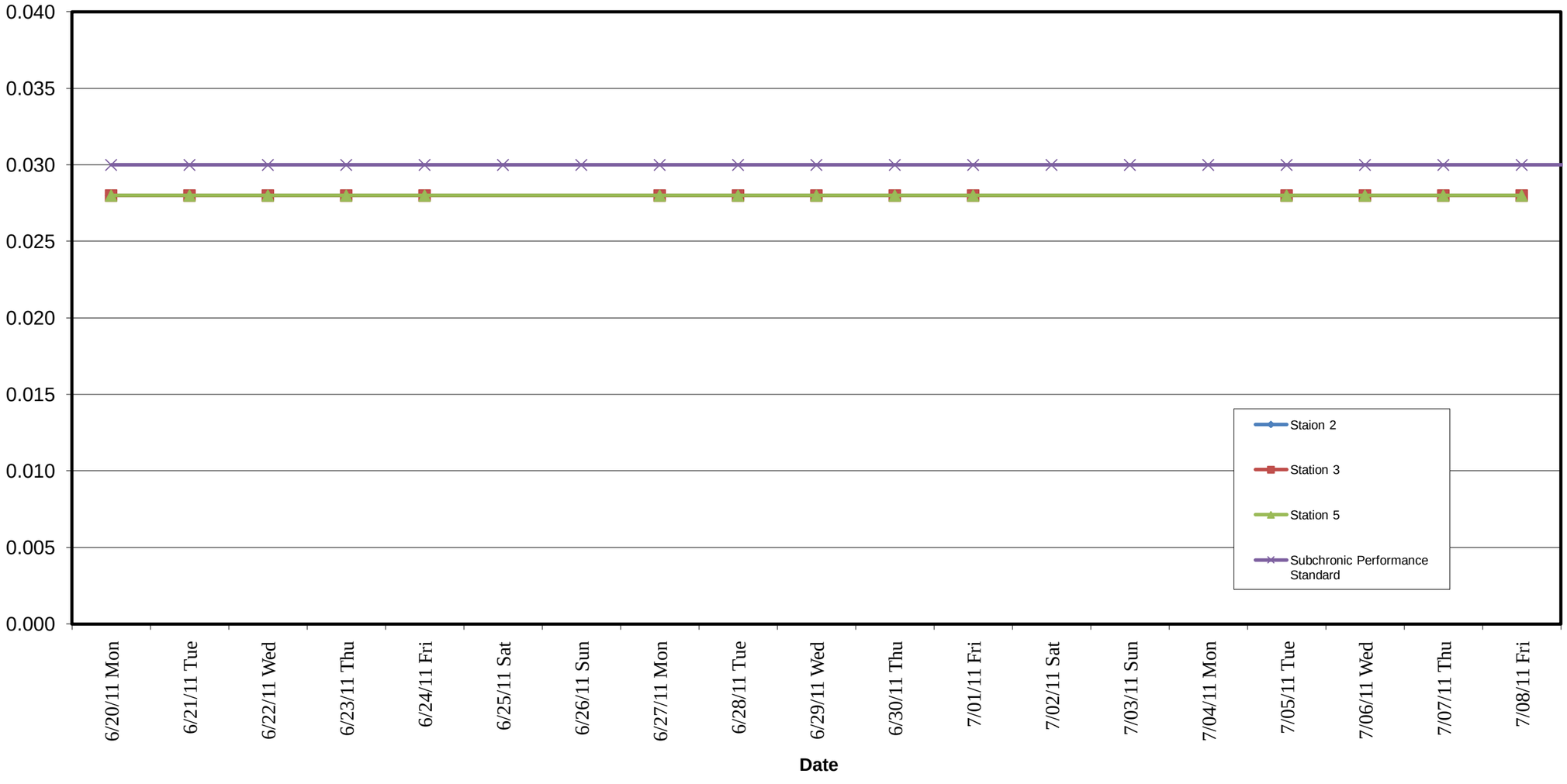
SCA Environmental, Inc.



Notes:
a. non-detectable values, are plotted using the detection limit values

Airborne 1,2-Dichloroethane Running Average During Working Days (µg/m³)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From 06/20-07/08/2011
Summa Canisters Analyzed by TO15

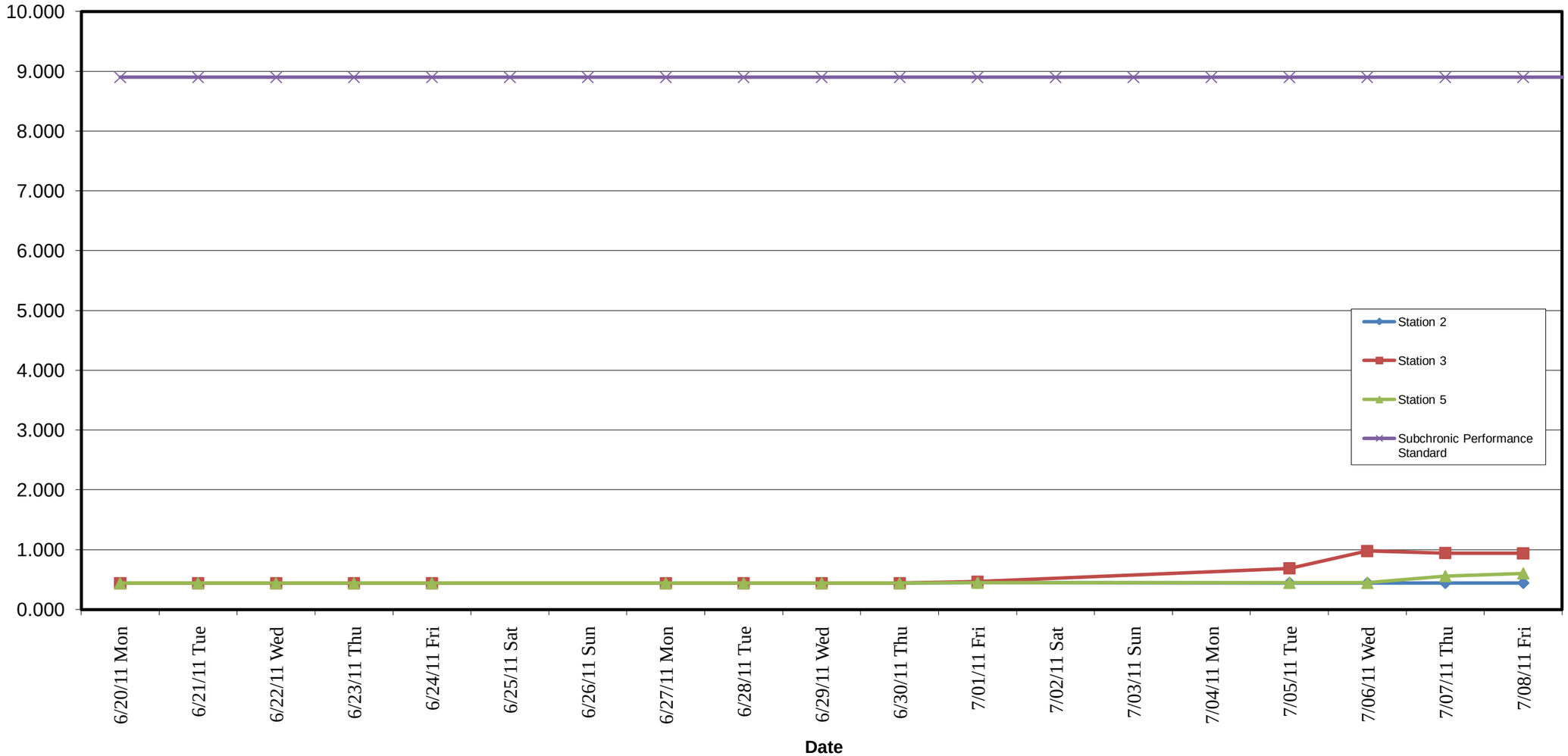
SCA Environmental, Inc.



Notes:
a. non-detectable values, are plotted using the detection limit values

Airborne Ethyl Benzene Running Average During Working Days (µg/m³)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From 06/20-07/08/2011
Summa Canisters Analyzed by TO15

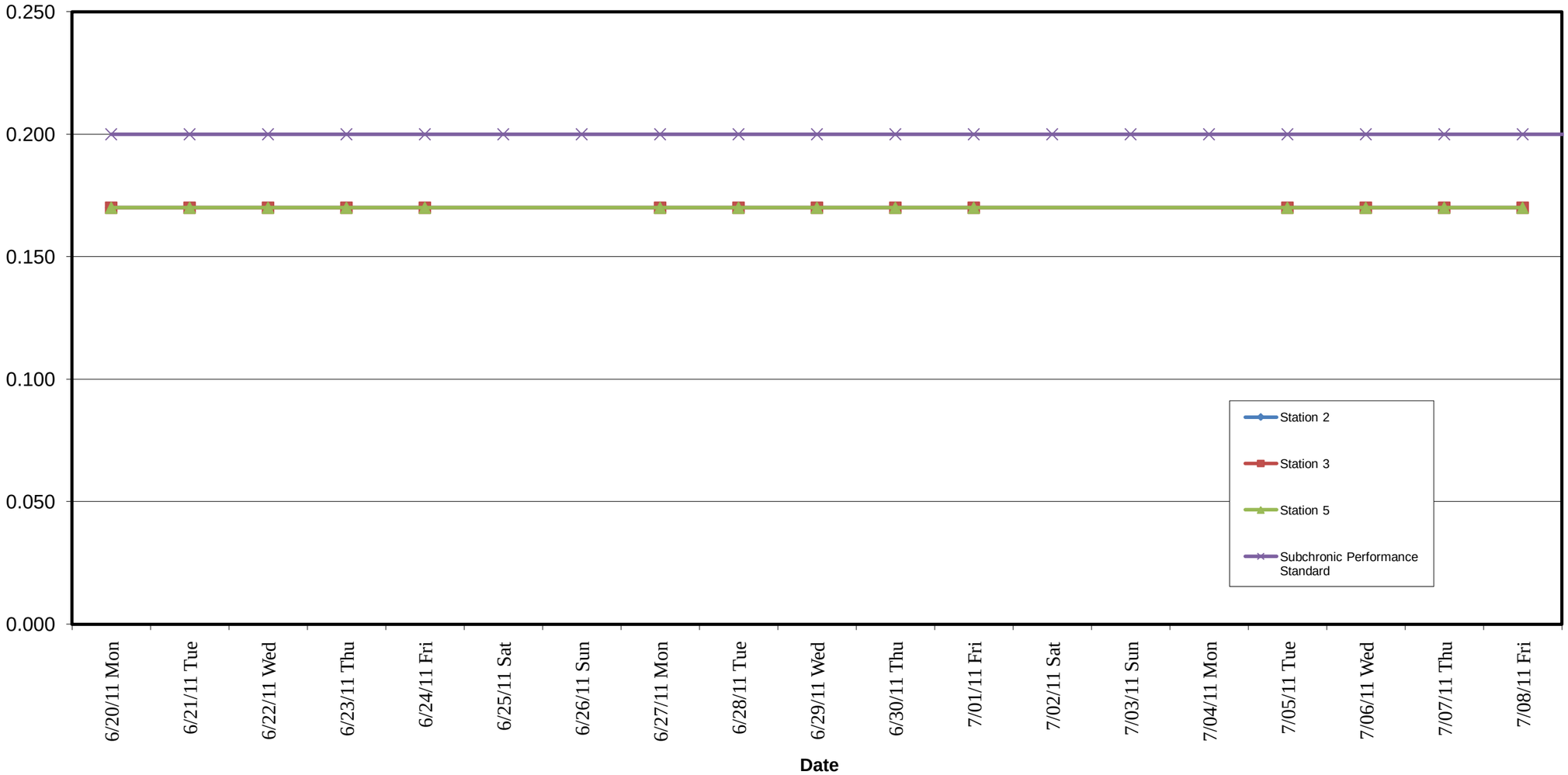
SCA Environmental, Inc.



Notes:
a. non-detectable values, are plotted using the detection limit values

Airborne Tetrachloroethane Running Average During Working Days (µg/m³)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From 06/20-07/08/2011
Summa Canisters Analyzed by TO15

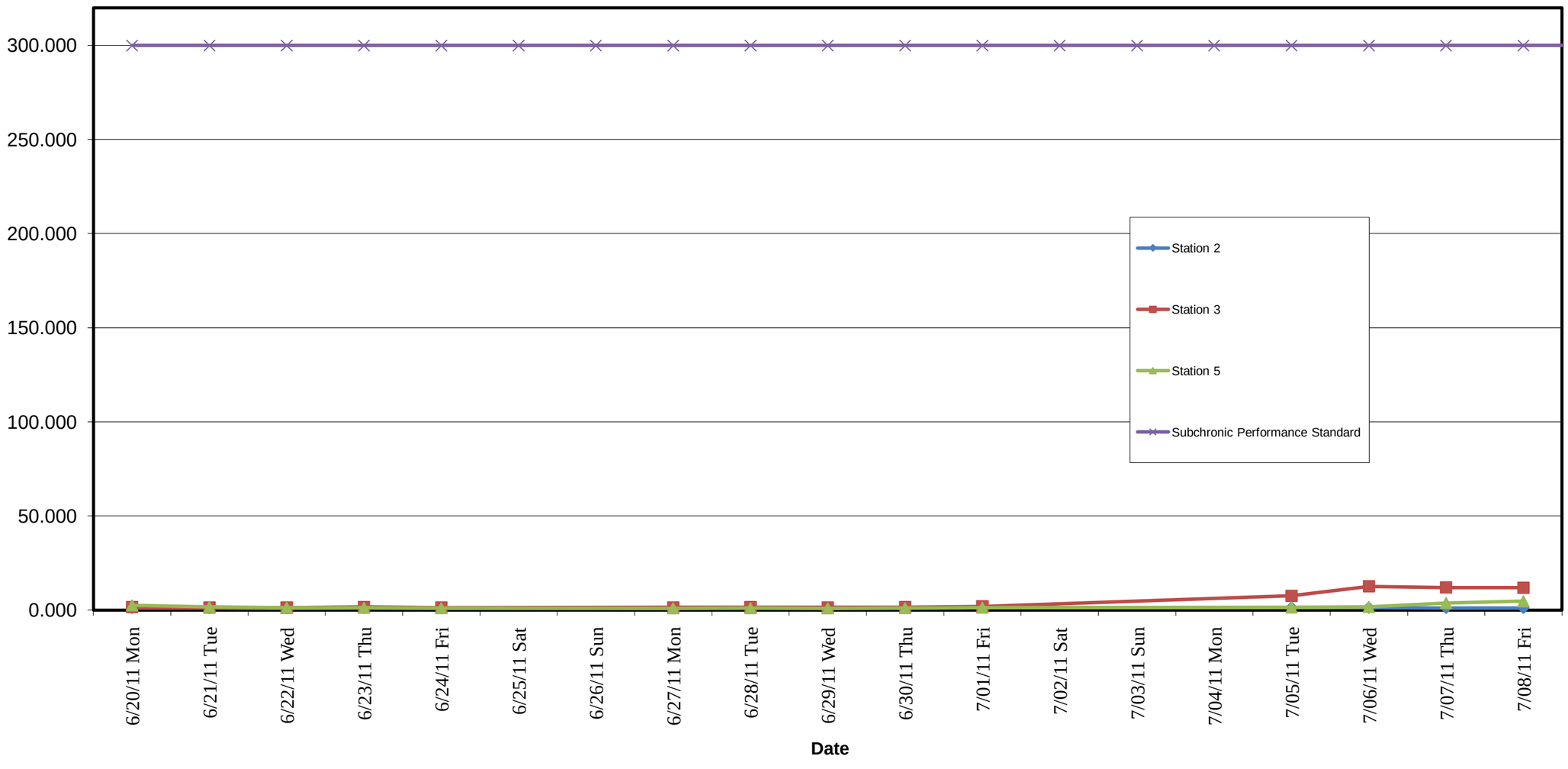
SCA Environmental, Inc.



Notes:
a. non-detectable values, are plotted using the detection limit values

Airborne Toluene Running Average During Working Days (µg/m^3)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From 06/20-07/08/2011
Summa Canisters Analyzed by TO15

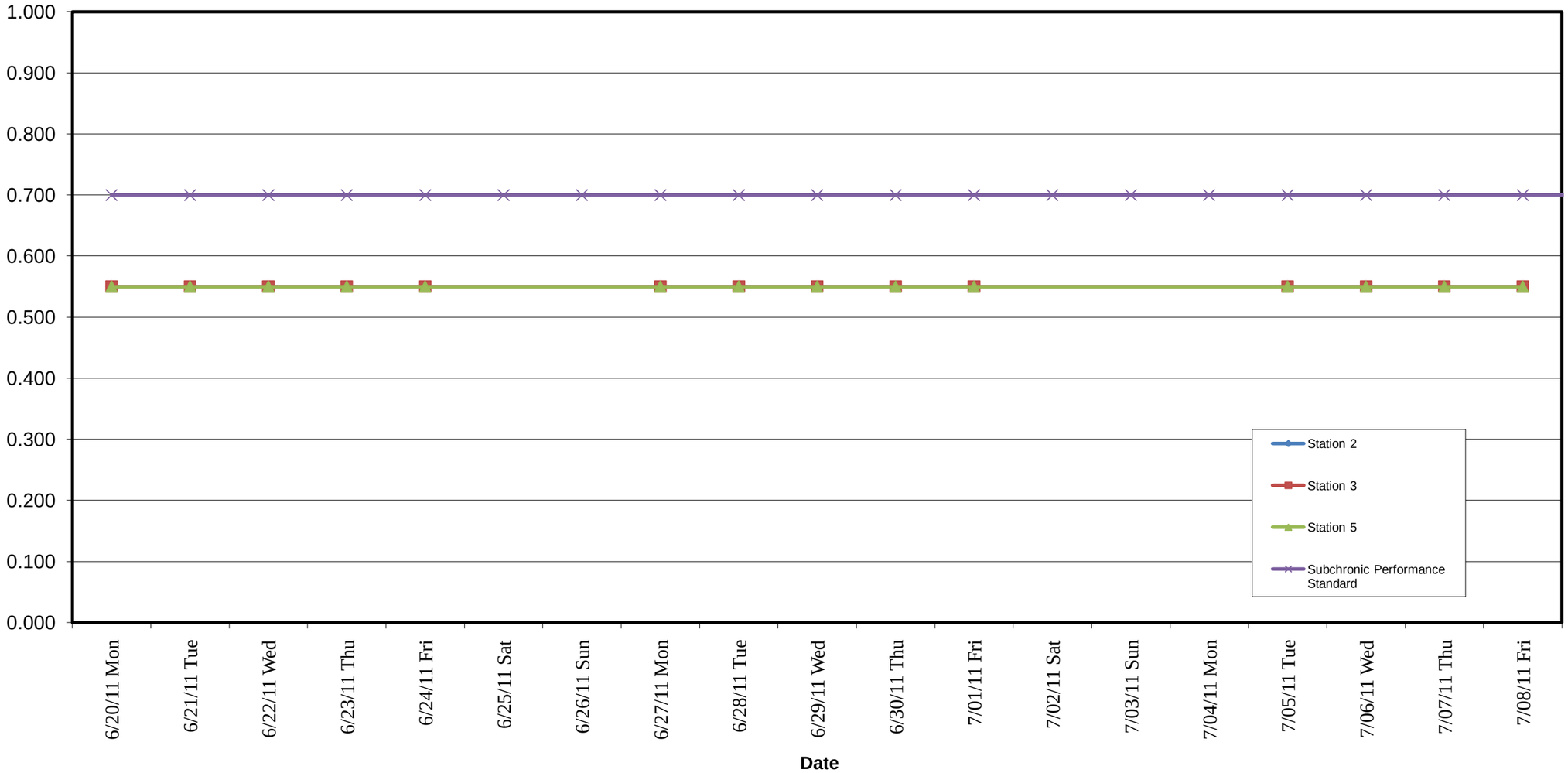
SCA Environmental, Inc.



Notes:
a. Detection values reflect the background level

Airborne Trichloroethene Running Average During Working Days (µg/m^3)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From 06/20-07/08/2011
Summa Canisters Analyzed by TO15

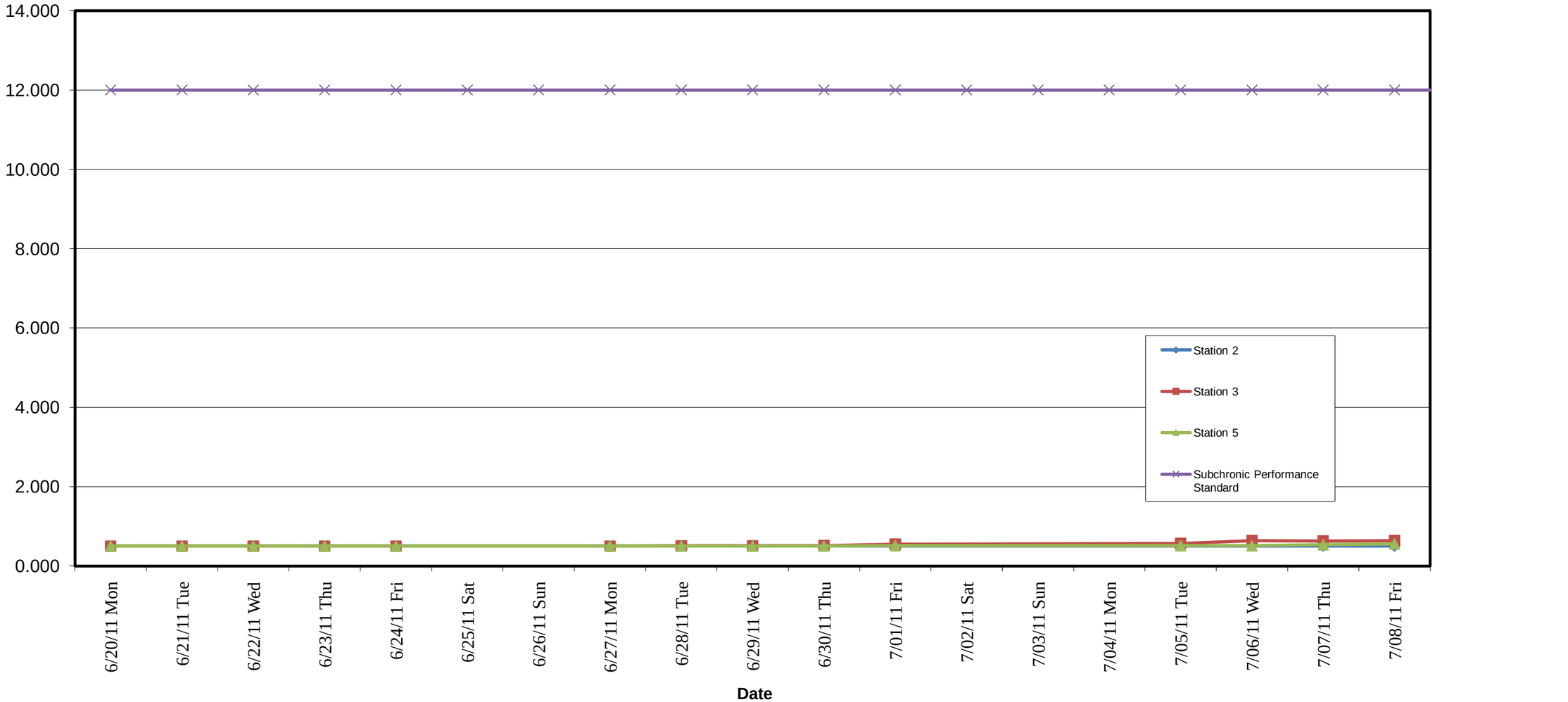
SCA Environmental, Inc.



Notes:
a. non-detectable values, are plotted using the detection limit values

Airborne 1,2,4-trimethyl benzene Running Average During Working Days (µg/m^3)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From 06/20-07/08/2011
Summa Canisters Analyzed by TO15

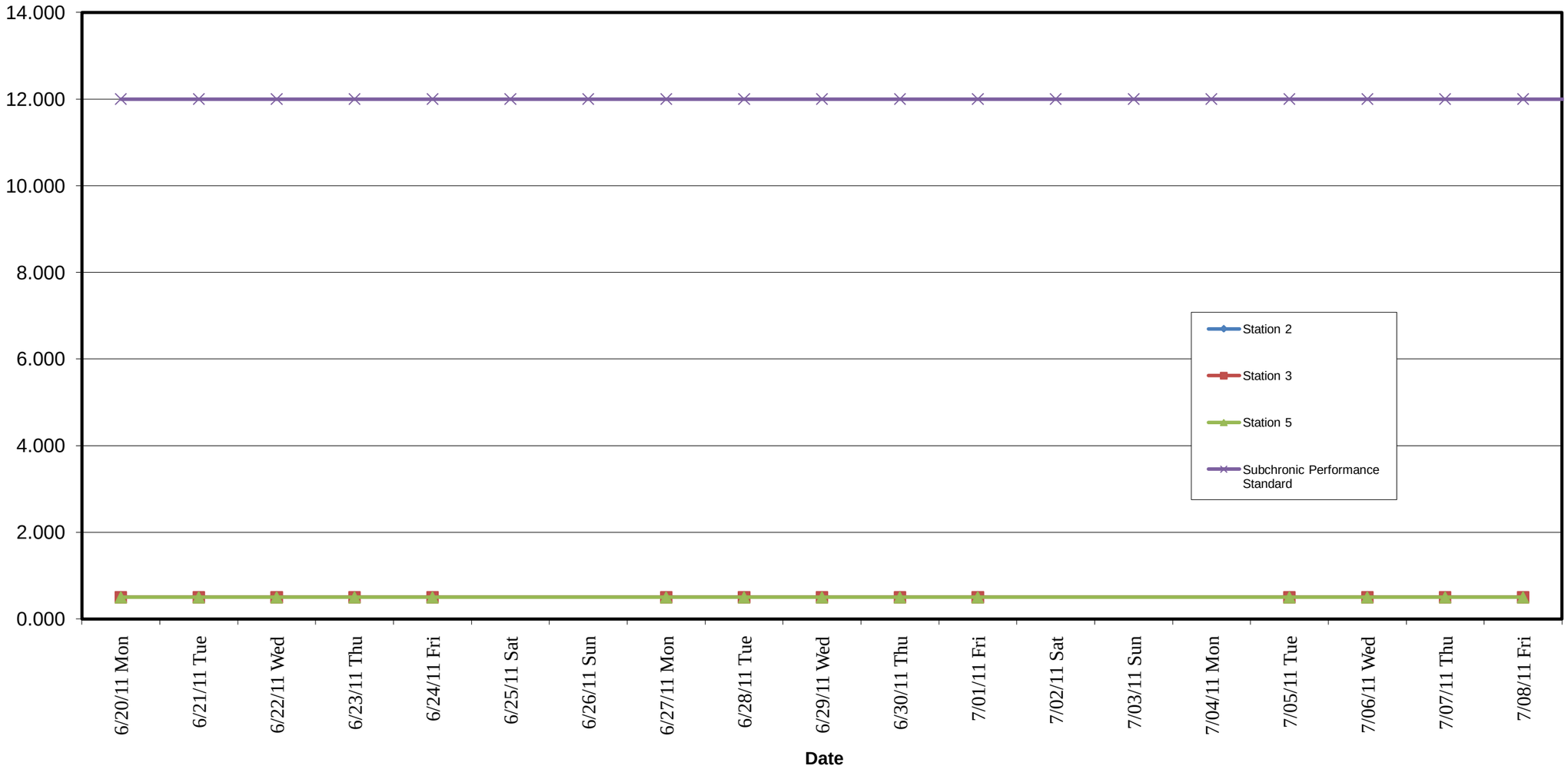
SCA Environmental, Inc.



Notes:
a. non-detectable values, are plotted using detection limit values

Airborne 1,3,5-trimethyl benzene Running Average During Working Days (µg/m^3)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From 06/20-07/08/2011
Summa Canisters Analyzed by TO15

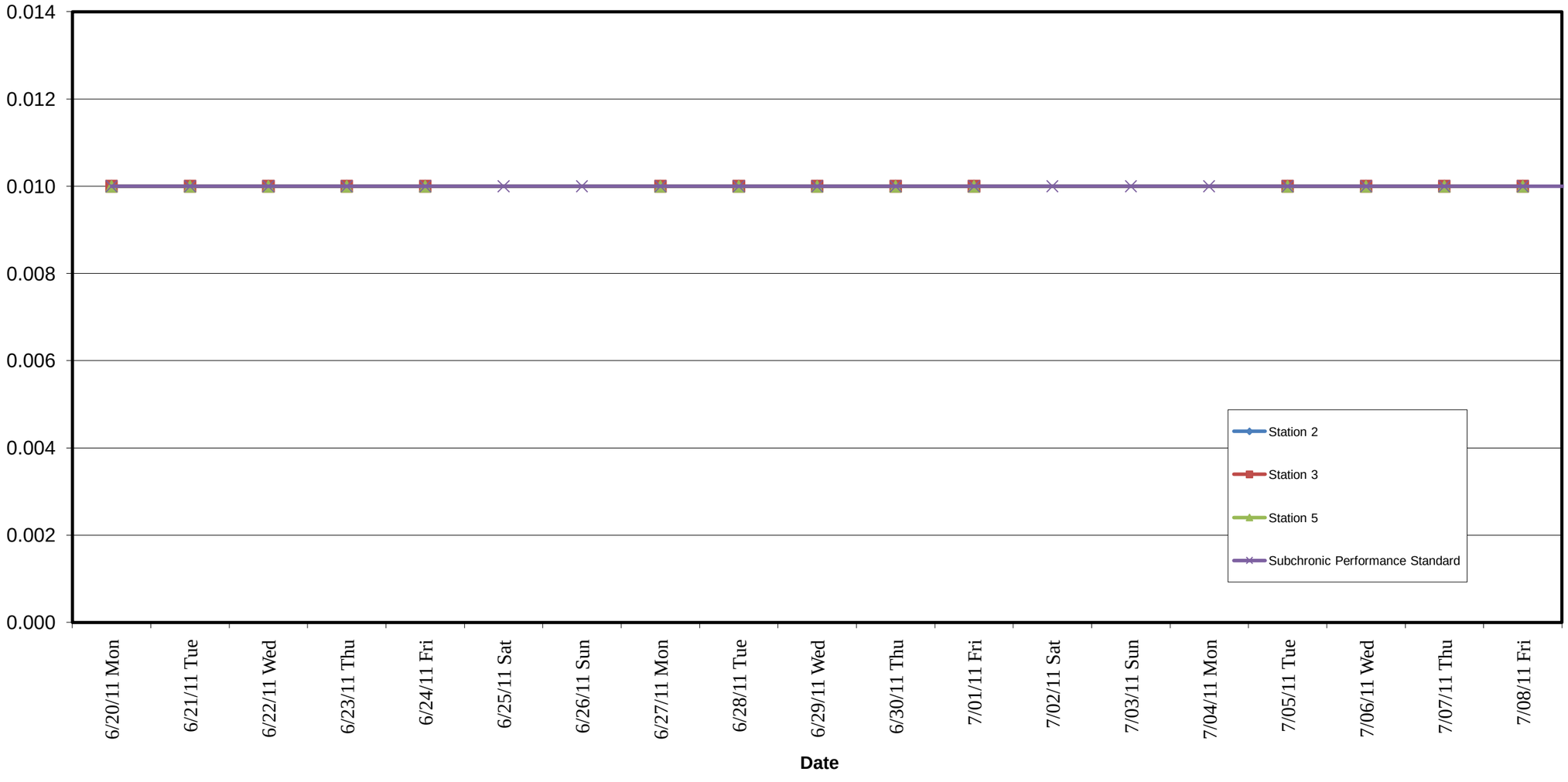
SCA Environmental, Inc.



Notes:
a. non-detectable values, are plotted using detection limit values

Airborne Vinyl Chloride Running Average During Working Days (μg/m³)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From 06/20-07/08/2011
Summa Canisters Analyzed by TO15

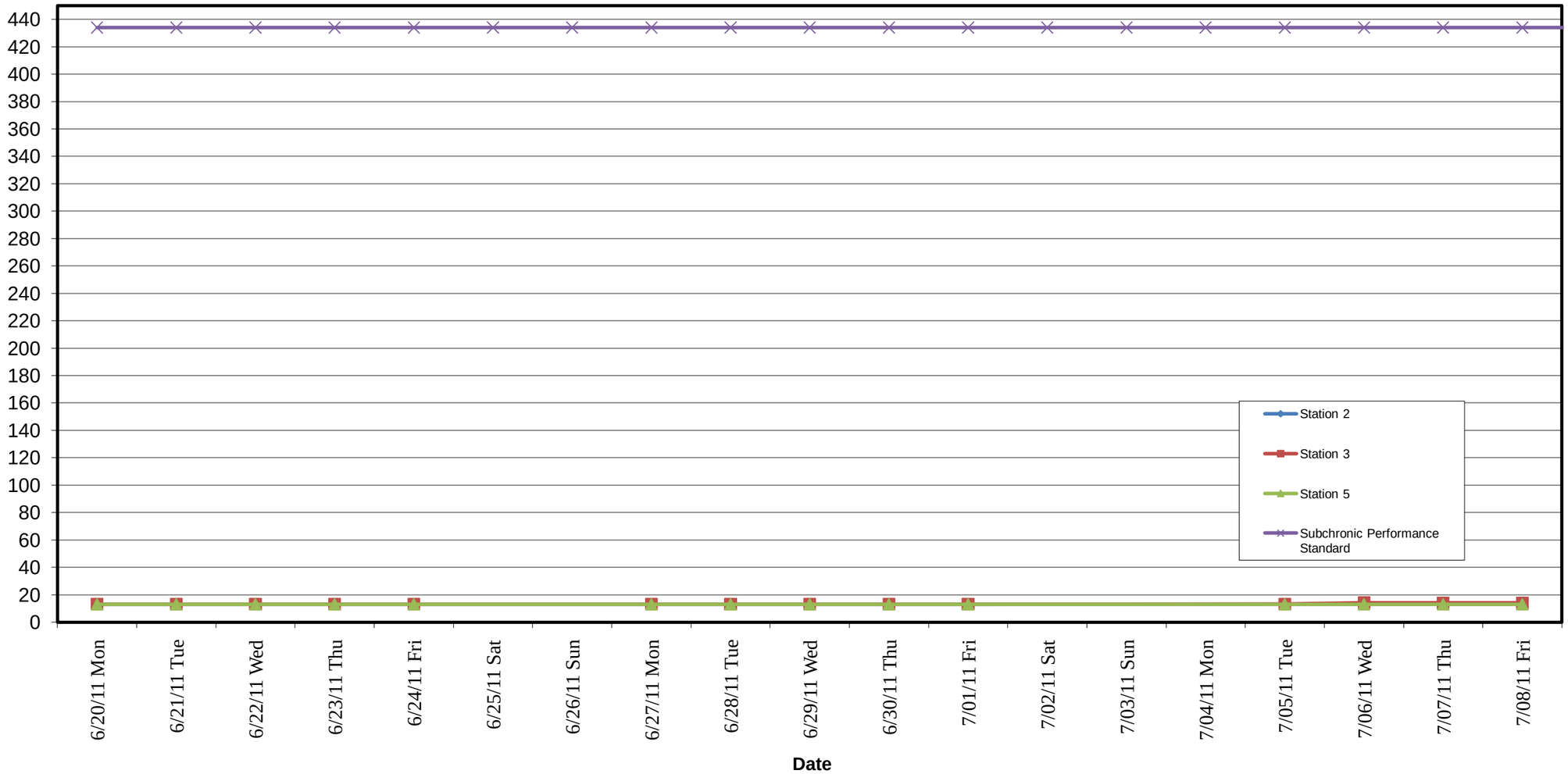
SCA Environmental, Inc.



Notes:
a. non-detectable values, are plotted using detection limit values

Airborne Xylene Running Average During Working Days (µg/m^3)
Sherwin-Williams @ Horton & Sherwin, Emeryville - From 06/20-07/08/2011
Summa Canisters Analyzed by TO15

SCA Environmental, Inc.



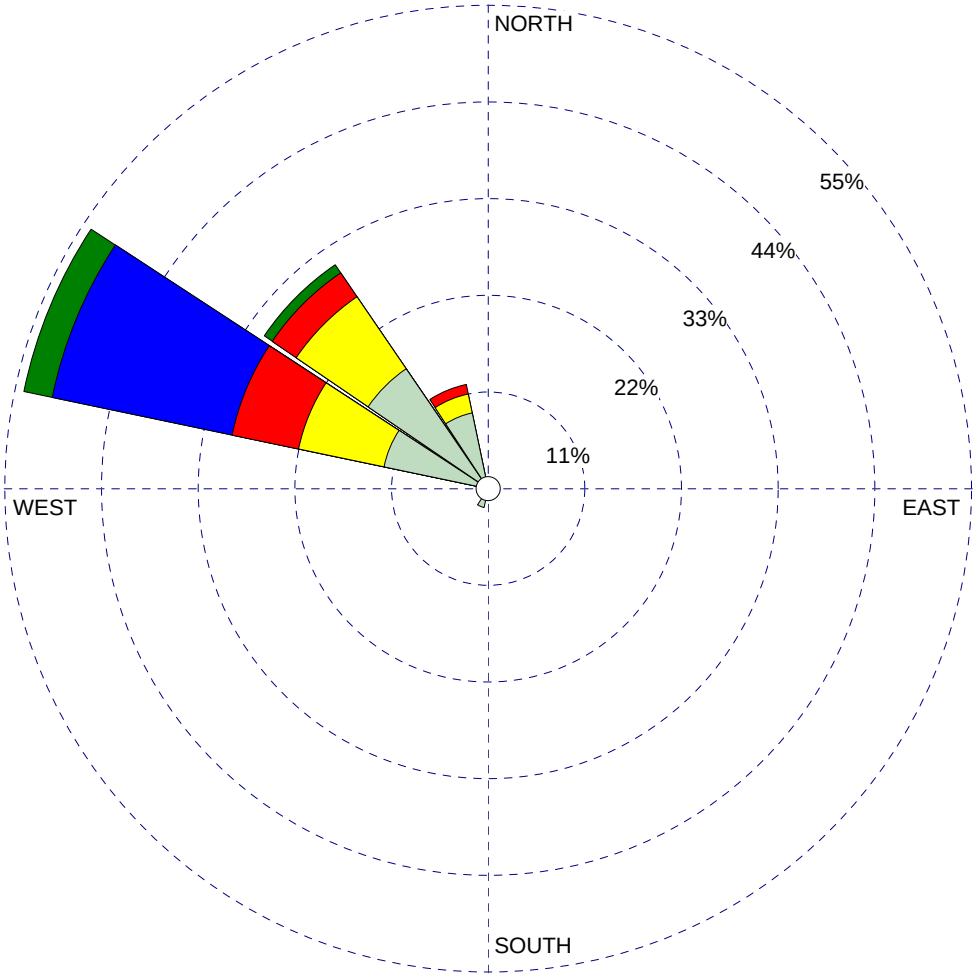
Notes:
a. non-detectable values, are plotted using detection limit values

WIND ROSE PLOT:

Staion #SW

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD: **Start Date: 7/5/2011 - 01:00** **End Date: 7/8/2011 - 23:00**	COMPANY NAME: **CDM & SCA**	
		MODELER:	
	CALM WINDS: **0.00%**	TOTAL COUNT: **91 hrs.**	
	AVG. WIND SPEED: **1.91 m/s**	DATE: **7/15/2011**	PROJECT NO.: