3월 11일 굴뚝별 트랜드

					03-11 00:00	03-11 00:30	03-11 01:00	03-11 01:30	03-11 02:00	03-11 02:30	03-11 03:00	03-11 03:30	03-11 04:00	03-11 04:30	03-11 05:00	03-11 05:30	03-11 06:00	03-11 06:30	03-11 07:00	03-11 07:30
TSP	20	mg/Sm³	12	1	0.67	0.46	0.47	0.48	0.49	0.48	0.48	0.47	0.64	0.53	0.64	0.51	0.49	0.53	0.46	0.51
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.05	0.33	0.01
NOx	70	ppm	12	1	18.08	16.37	17.56	14.32	16.31	14.49	18.20	16.79	14.91	19.77	13.10	17.20	17.63	19.37	21.71	17.20
HCl	15	ppm	12	1	2.20	0.37	1.04	2.12	1.58	0.83	1.13	1.35	2.53	5.38	2.62	0.19	0.88	1.45	0.78	2.29
CO	50	ppm	12	1	0.85	0.48	0.37	0.44	0.44	0.41	0.30	0.35	0.52	0.56	1.33	0.27	0.19	0.27	0.33	0.38
O_2		%	0	0.1	11.05	6.80	7.14	7.13	7.35	7.08	7.06	7.01	10.95	7.73	10.08	7.51	7.02	8.15	6.17	7.44
FL1		Sm³	12	10	10,475	14,472	14,301	14,248	14,111	14,283	14,404	14,438	10,743	14,263	10,914	13,577	14,014	13,013	15,353	13,865
TMP		℃	0	1	179.36	177.57	177.34	179.23	179.72	179.55	179.96	180.01	179.47	179.31	178.85	177.01	176.92	177.18	178.16	179.24
TM1		℃	0	1	1,024.41	1,045.84	1,055.46	1,041.79	1,048.65	1,047.77	1,056.27	1,064.68	1,040.45	1,062.81	946.59	1,063.21	1,098.67	1,081.03	1,119.03	1,085.78
TM3		℃	0	1	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44

					03-11 08:00	03-11 08:30	03-11 09:00	03-11 09:30	03-11 10:00	03-11 10:30	03-11 11:00	03-11 11:30	03-11 12:00	03-11 12:30	03-11 13:00	03-11 13:30	03-11 14:00	03-11 14:30	03-11 15:00	03-11 15:30
TSP	20	mg/Sm³	12	1	0.66	0.46	0.53	0.52	0.49	0.45	0.52	0.48	0.59	0.49	0.51	0.56	0.47	0.41	0.43	0.49
SOx	30	ppm	12	1	0.00	2.73	0.18	0.00	0.00	0.29	0.00	0.13	6.37	1.07	0.00	0.00	1.62	6.70	0.00	0.00
NOx	70	ppm	12	1	20.57	25.24	21.28	14.80	19.12	22.34	15.10	19.52	29.67	16.54	17.05	15.28	21.29	21.52	16.77	14.93
HCl	15	ppm	12	1	2.77	2.96	7.73	1.61	1.10	2.67	3.21	1.26	8.27	7.72	2.01	2.26	6.86	6.22	4.64	1.95
CO	50	ppm	12	1	0.42	0.22	0.27	0.45	0.39	0.26	0.40	0.23	0.30	0.22	0.47	0.97	0.33	0.54	0.24	0.35
O_2		%	0	0.1	10.59	5.77	8.25	8.47	7.61	6.12	7.91	7.05	8.74	7.15	8.05	9.32	6.85	4.89	6.20	7.89
FL1		Sm³	12	10	10,775	15,624	12,802	12,439	14,064	15,780	13,513	14,353	12,842	14,231	13,372	12,117	15,740	17,186	14,397	12,907
TMP		℃	0	1	178.42	177.61	178.39	177.61	177.46	179.87	180.72	178.90	179.21	183.29	181.23	179.48	179.83	182.10	181.20	179.27
TM1		℃	0	1	1,050.21	1,144.96	1,074.09	1,040.91	1,072.95	1,115.22	1,063.07	1,076.23	1,125.87	1,087.79	1,028.93	985.29	1,076.51	1,154.39	1,111.64	1,055.69
TM3		℃	0	1	36.44	36.44	36.44	36.44	36.45	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44

					03-11 16:00	03-11 16:30	03-11 17:00	03-11 17:30	03-11 18:00	03-11 18:30	03-11 19:00	03-11 19:30	03-11 20:00	03-11 20:30	03-11 21:00	03-11 21:30	03-11 22:00	03-11 22:30	03-11 23:00	03-11 23:30
TSP	20	mg/Sm³	12	1	0.61	0.49	0.52	0.56	0.56	0.49	0.47	0.54	0.63	0.48	0.51	0.53	0.45	0.57	0.50	0.55
SOx	30	ppm	12	1	0.00	3.13	0.00	0.00	1.03	0.00	0.00	0.00	0.00	0.46	1.53	2.66	2.06	0.00	0.00	0.00
NOx	70	ppm	12	1	23.99	19.85	13.89	18.34	17.82	17.97	13.81	12.93	18.84	18.63	16.93	17.43	22.41	17.88	15.89	11.57
HCl	15	ppm	12	1	2.04	11.60	3.39	2.18	7.13	1.79	1.31	1.74	2.76	4.51	3.66	2.08	5.01	3.47	1.19	2.08
CO	50	ppm	12	1	0.50	0.33	0.58	0.43	0.52	0.43	0.39	0.50	0.59	0.27	0.43	18.09	0.26	0.43	0.40	0.58
O_2		%	0	0.1	11.00	7.48	8.43	9.31	8.90	7.25	7.00	8.47	9.95	6.76	7.67	7.85	6.07	8.82	7.46	8.68
FL1		Sm³	12	10	11,551	14,581	13,160	12,602	12,754	14,172	14,478	12,634	11,743	14,803	13,593	13,504	15,642	12,642	13,881	12,836
TMP		℃	0	1	178.22	179.61	180.93	179.63	180.62	180.87	180.33	181.01	180.92	181.19	180.90	179.66	180.03	181.27	179.91	180.25
TM1		℃	0	1	1,051.07	1,059.95	1,010.63	1,010.85	1,037.57	1,035.43	1,049.61	1,007.56	1,020.55	1,057.98	1,059.77	1,043.51	1,130.18	1,038.49	1,062.32	1,001.74
TM3		℃	0	1	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44

3월 12일 굴뚝별 트랜드

					03-12 00:00	03-12 00:30	03-12 01:00	03-12 01:30	03-12 02:00	03-12 02:30	03-12 03:00	03-12 03:30	03-12 04:00	03-12 04:30	03-12 05:00	03-12 05:30	03-12 06:00	03-12 06:30	03-12 07:00	03-12 07:30
TSP	20	mg/Sm³	12	1	0.66	0.48	0.53	0.48	0.50	0.55	0.55	0.53	0.64	0.57	0.54	0.49	0.54	0.48	0.49	0.46
SOx	30	ppm	12	1	0.00	3.03	1.69	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.97	6.16	0.01	0.17	0.56	0.82
NOx	70	ppm	12	1	18.52	17.98	12.25	19.21	17.08	16.51	12.90	15.23	19.15	18.18	16.01	18.81	16.39	18.82	25.74	28.36
HCl	15	ppm	12	1	4.49	2.32	9.14	2.68	4.35	3.75	1.67	1.61	3.01	2.34	1.49	5.09	3.73	2.91	2.32	2.56
CO	50	ppm	12	1	0.70	0.36	0.43	0.30	0.28	0.50	0.67	0.61	0.79	0.63	4.44	19.20	0.70	0.23	0.20	0.12
O_2		%	0	0.1	11.23	6.86	8.18	6.91	7.47	8.66	8.67	7.78	9.96	8.68	8.16	6.95	8.25	6.87	6.83	6.16
FL1		Sm³	12	10	10,785	14,771	13,172	14,691	13,988	12,667	12,706	13,586	11,898	12,502	13,231	14,422	13,096	14,772	14,810	14,611
TMP		℃	0	1	181.14	180.49	180.15	180.18	180.14	179.97	179.00	178.11	179.12	179.62	178.19	177.63	178.03	178.29	179.53	179.23
TM1		℃	0	1	1,007.04	1,054.99	1,038.20	1,069.59	1,060.87	1,023.89	994.30	1,035.33	1,052.15	1,032.05	1,031.19	1,082.76	1,029.04	1,085.70	1,104.73	1,162.00
TM3		℃	0	1	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44

					03-12 08:00	03-12 08:30	03-12 09:00	03-12 09:30	03-12 10:00	03-12 10:30	03-12 11:00	03-12 11:30	03-12 12:00	03-12 12:30	03-12 13:00	03-12 13:30	03-12 14:00	03-12 14:30	03-12 15:00	03-12 15:30
TSP	20	mg/Sm³	12	1	0.61	0.53	0.50	0.52	0.53	0.54	0.47	0.53	0.63	0.50	0.47	0.42	0.46	0.43	0.43	0.48
SOx	30	ppm	12	1	0.19	0.03	0.27	0.00	0.00	0.00	0.06	0.00	0.04	0.00	0.09	1.19	0.00	0.22	0.91	0.00
NOx	70	ppm	12	1	35.19	23.50	55.32	21.37	23.77	19.15	26.13	25.24	37.62	26.88	27.77	28.73	23.85	26.59	29.72	26.67
HCl	15	ppm	12	1	2.14	2.35	3.60	5.07	2.82	1.85	3.25	1.90	1.13	1.08	1.24	1.65	1.63	1.35	3.11	3.19
CO	50	ppm	12	1	14.42	0.35	0.23	0.36	0.41	0.42	0.07	0.15	0.15	0.18	0.17	0.09	0.11	0.06	0.03	0.13
O_2		%	0	0.1	9.51	8.19	7.53	8.23	8.67	8.44	6.78	8.66	10.41	7.80	7.44	5.98	7.23	6.17	6.37	7.90
FL1		Sm³	12	10	11,503	12,754	13,802	12,929	12,587	13,372	14,596	12,164	10,328	13,080	13,428	14,968	13,627	14,852	14,379	12,696
TMP		℃	0	1	178.40	178.13	178.66	178.52	178.08	178.22	180.04	179.23	178.37	178.84	179.05	179.02	179.23	179.55	179.84	179.45
TM1		℃	0	1	1,149.74	1,052.46	1,064.94	1,039.01	1,020.05	1,032.71	1,104.76	1,051.70	1,093.30	1,065.45	1,086.67	1,128.95	1,088.04	1,124.33	1,132.66	1,086.81
TM3		℃	0	1	36.44	36.44	36.45	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44

					03-12 16:00	03-12 16:30	03-12 17:00	03-12 17:30	03-12 18:00	03-12 18:30	03-12 19:00	03-12 19:30	03-12 20:00	03-12 20:30	03-12 21:00	03-12 21:30	03-12 22:00	03-12 22:30	03-12 23:00	03-12 23:30
TSP	20	mg/Sm³	12	1	0.57	0.46	0.47	0.49	0.45	0.49	0.51	0.47	0.60	0.48	0.44	0.46	0.46	0.51	0.46	0.48
SOx	30	ppm	12	1	0.00	0.02	0.00	0.00	0.40	0.00	0.00	0.00	0.20	0.00	0.33	0.31	0.10	0.00	3.69	0.38
NOx	70	ppm	12	1	33.43	28.15	25.67	25.15	23.07	21.18	20.41	20.12	16.17	16.40	20.68	17.47	14.50	15.90	17.30	17.05
HCl	15	ppm	12	1	2.56	1.81	1.51	1.91	1.11	1.01	1.28	1.86	2.65	1.90	2.76	4.03	3.69	2.10	6.67	5.15
CO	50	ppm	12	1	0.12	0.05	0.12	0.20	16.25	0.27	0.52	0.45	0.95	0.66	0.31	0.63	0.48	0.61	0.56	0.99
O_2		%	0	0.1	10.25	7.51	7.70	8.32	7.17	8.43	8.50	7.50	10.28	7.97	6.54	6.88	6.87	8.24	6.79	7.17
FL1		Sm³	12	10	10,723	13,106	13,001	12,196	13,480	12,207	12,875	14,041	11,722	13,286	14,937	14,972	14,548	13,106	15,008	14,401
TMP		℃	0	1	179.08	179.09	178.73	178.33	178.22	178.22	178.99	180.09	180.11	179.68	178.96	179.90	180.68	179.45	178.45	180.04
TM1		℃	0	1	1,103.12	1,091.43	1,073.68	1,060.03	1,084.67	1,028.17	1,006.47	1,024.43	1,010.19	995.39	1,065.33	1,032.36	1,035.89	983.71	1,037.56	1,021.11
TM3		℃	0	1	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44

3월 13일 굴뚝별 트랜드

					03-13 00:00	03-13 00:30	03-13 01:00	03-13 01:30	03-13 02:00	03-13 02:30	03-13 03:00	03-13 03:30	03-13 04:00	03-13 04:30	03-13 05:00	03-13 05:30	03-13 06:00	03-13 06:30	03-13 07:00	03-13 07:30
TSP	20	mg/Sm³	12	1	0.61	0.42	0.46	0.47	0.50	0.51	0.50	0.47	0.60	0.50	0.45	0.46	0.48	0.47	0.47	0.47
SOx	30	ppm	12	1	0.00	0.30	0.40	0.00	0.00	0.00	0.08	8.21	0.00	0.00	0.42	0.48	0.00	0.24	0.00	1.17
NOx	70	ppm	12	1	14.98	16.39	14.61	16.78	15.87	15.35	17.17	14.62	19.51	13.85	14.22	15.85	14.24	17.68	14.39	14.87
HCl	15	ppm	12	1	4.11	2.89	6.57	4.11	2.61	2.70	2.03	14.14	6.25	2.76	2.44	4.48	3.45	3.50	6.77	5.36
CO	50	ppm	12	1	0.98	0.34	0.36	0.37	0.48	0.52	0.46	0.44	0.51	0.47	0.34	0.24	0.38	0.44	0.33	0.26
O_2		%	0	0.1	10.75	5.44	6.44	6.44	7.50	7.92	7.86	6.82	9.17	7.72	6.43	6.41	7.12	6.98	7.16	7.23
FL1		Sm³	12	10	11,499	16,720	15,492	15,258	14,060	13,519	13,557	15,059	12,203	13,818	15,367	15,267	14,297	14,548	14,180	13,983
TMP		℃	0	1	179.78	179.45	182.13	181.74	180.61	179.88	179.06	179.62	180.20	179.99	180.05	180.85	180.38	179.80	179.85	179.35
TM1		℃	0	1	968.41	1,072.00	1,031.72	1,053.15	1,027.71	1,016.19	1,007.90	1,028.22	1,048.81	1,005.36	1,041.75	1,050.43	1,023.69	1,033.63	1,038.87	1,036.45
TM3		℃	0	1	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44

					03-13 08:00	03-13 08:30	03-13 09:00	03-13 09:30	03-13 10:00	03-13 10:30	03-13 11:00	03-13 11:30	03-13 12:00	03-13 12:30	03-13 13:00	03-13 13:30	03-13 14:00	03-13 14:30	03-13 15:00	03-13 15:30
TSP	20	mg/Sm³	12	1	0.60	0.48	0.45	0.47	0.45	0.47	0.47	0.46	0.56	0.45	0.43	0.45	0.45	0.46	0.43	0.44
SOx	30	ppm	12	1	4.55	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	1.19	0.09	0.01	0.00	0.09	0.00
NOx	70	ppm	12	1	22.53	14.36	19.87	18.48	25.21	21.91	20.61	21.56	26.92	18.65	28.22	21.34	26.62	19.39	26.20	18.72
HCl	15	ppm	12	1	7.34	5.13	3.27	3.68	2.65	2.25	1.78	1.91	3.11	3.52	5.04	3.22	2.47	2.70	2.41	3.14
CO	50	ppm	12	1	0.27	0.18	0.15	0.24	0.18	0.09	0.07	0.11	0.24	0.21	0.13	0.23	0.16	0.30	0.26	0.36
O_2		%	0	0.1	9.98	7.58	6.57	7.14	6.65	7.45	8.04	7.34	9.82	7.30	6.78	7.24	7.24	7.77	7.13	7.62
FL1		Sm³	12	10	11,694	13,415	14,944	14,482	15,038	13,810	12,706	13,750	11,681	13,490	14,259	13,784	13,591	12,973	13,475	13,217
TMP		℃	0	1	178.72	178.68	179.13	180.00	180.24	179.39	177.68	177.43	178.07	178.35	178.62	178.24	178.18	178.30	177.69	177.76
TM1		℃	0	1	1,043.85	1,037.77	1,065.26	1,039.80	1,075.87	1,059.95	1,063.89	1,061.33	1,054.85	1,058.91	1,099.91	1,069.03	1,082.84	1,059.25	1,077.97	1,035.07
TM3		℃	0	1	36.44	36.44	36.44	36.46	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47

					03-13 16:00	03-13 16:30	03-13 17:00	03-13 17:30	03-13 18:00	03-13 18:30	03-13 19:00	03-13 19:30	03-13 20:00	03-13 20:30	03-13 21:00	03-13 21:30	03-13 22:00	03-13 22:30	03-13 23:00	03-13 23:30
TSP	20	mg/Sm³	12	1	0.52	0.44	0.39	0.42	0.42	0.42	0.44	0.39	0.55	0.39	0.43	0.46	0.43	0.46	0.40	0.47
SOx	30	ppm	12	1	0.00	0.00	0.66	1.06	0.36	1.96	0.60	6.15	5.06	1.11	1.40	0.00	0.35	0.00	7.46	4.97
NOx	70	ppm	12	1	26.11	14.37	16.46	16.29	14.65	17.44	14.69	17.54	27.99	25.23	23.99	21.73	19.73	16.17	19.47	15.62
HCl	15	ppm	12	1	3.92	3.90	4.31	6.39	4.86	6.90	7.75	7.30	12.04	5.08	6.80	4.27	5.29	4.69	4.92	10.89
CO	50	ppm	12	1	0.33	0.47	0.21	0.38	0.39	0.29	0.34	2.32	0.25	0.18	0.21	0.44	0.39	0.61	0.33	0.56
O_2		%	0	0.1	9.14	7.72	6.05	6.83	6.88	6.69	7.42	5.41	8.68	5.57	6.64	7.84	6.76	8.01	5.73	7.41
FL1		Sm³	12	10	11,794	13,206	15,125	14,351	14,281	14,359	13,394	16,109	12,239	15,764	14,356	13,313	14,218	12,761	15,345	13,470
TMP		℃	0	1	178.03	178.57	178.96	179.28	178.36	177.95	178.01	178.45	180.62	179.79	179.36	178.58	178.60	178.48	176.36	176.74
TM1		℃	0	1	1,067.92	1,012.41	1,067.77	1,032.81	1,026.39	1,042.83	1,019.36	1,094.72	1,106.12	1,122.15	1,101.19	1,042.66	1,074.07	1,002.82	1,092.35	1,032.94
TM3		℃	0	1	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.47	36.46