3월 14일 굴뚝별 트랜드

					03-14 00:00	03-14 00:30	03-14 01:00	03-14 01:30	03-14 02:00	03-14 02:30	03-14 03:00	03-14 03:30	03-14 04:00	03-14 04:30	03-14 05:00	03-14 05:30	03-14 06:00	03-14 06:30	03-14 07:00	03-14 07:30
TSP	20	mg/Sm³	12	1	0.62	0.48	0.39	0.46	0.58	0.44	0.43	0.43	0.61	0.51	0.50	0.43	0.42	0.46	0.47	0.44
SOx	30	ppm	12	1	0.00	0.00	4.51	0.76	0.00	4.43	0.23	0.00	1.35	0.00	0.00	0.76	0.78	0.00	0.30	0.07
NOx	70	ppm	12	1	20.02	21.59	18.59	12.89	20.24	22.14	21.97	23.81	28.58	15.04	17.02	18.45	18.60	15.07	18.07	17.21
HCl	15	ppm	12	1	8.40	3.74	5.81	4.16	2.60	6.20	5.41	2.46	4.79	3.57	3.70	3.73	4.36	3.53	3.27	3.62
CO	50	ppm	12	1	1.16	0.55	0.28	0.37	1.46	0.24	0.13	0.13	14.60	0.55	0.59	0.27	7.96	0.17	0.16	0.25
O_2		%	0	0.1	11.34	7.93	5.20	7.32	10.21	6.32	6.12	6.43	9.70	8.76	8.47	6.45	6.01	6.76	7.34	6.13
FL1		Sm³	12	10	10,371	13,912	16,366	13,343	11,250	15,724	14,894	14,511	11,067	11,844	12,301	14,600	15,036	14,208	13,448	15,287
TMP		℃	0	1	176.72	175.46	176.61	177.99	176.20	176.23	178.26	178.06	177.89	177.07	174.56	173.68	174.91	176.46	175.98	176.07
TM1		℃	0	1	967.09	999.36	1,109.52	1,045.43	943.56	1,083.73	1,119.44	1,115.91	1,104.97	998.53	986.74	1,063.59	1,094.40	1,074.64	1,068.19	1,079.94
TM3		℃	0	1	36.46	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	36.44

					03-14 08:00	03-14 08:30	03-14 09:00	03-14 09:30	03-14 10:00	03-14 10:30	03-14 11:00	03-14 11:30	03-14 12:00	03-14 12:30	03-14 13:00	03-14 13:30	03-14 14:00	03-14 14:30	03-14 15:00	03-14 15:30
TSP	20	mg/Sm³	12	1	0.58	0.43	0.43	0.44	0.62	0.62	0.66	0.33	0.32	0.31	0.31	0.30	0.31	0.30	0.32	0.45
SOx	30	ppm	12	1	2.64	1.12	0.12	0.00	0.00	4.81	30.33	29.83	0.32	0.00	0.00	0.00	31.04	0.06	0.00	10.52
NOx	70	ppm	12	1	22.76	18.74	14.80	18.16	10.79	15.91	69.23	64.71	0.12	0.00	0.00	0.00	66.33	9.55	16.75	33.94
HCl	15	ppm	12	1	7.17	4.85	4.94	3.28	7.29	8.80	1.28	10.79	0.16	0.03	0.01	0.04	13.14	6.12	5.71	3.66
CO	50	ppm	12	1	0.33	0.24	0.22	0.10	0.08	0.26	88.01	83.75	0.01	0.02	0.02	0.02	84.46	0.22	0.57	27.96
O_2		%	0	0.1	9.88	6.29	6.79	6.84	4.97	5.58	2.36	9.95	21.83	21.67	21.59	21.48	14.23	13.13	7.60	4.88
FL1		Sm³	12	10	11,233	14,762	14,245	14,431	9,932	10,044	8,802	17,776	17,716	17,882	17,283	17,183	16,931	17,478	17,567	12,836
TMP		℃	0	1	176.87	176.74	176.48	176.99	176.70	175.90	175.69	175.68	176.25	176.58	176.49	176.15	175.72	175.84	176.59	177.42
TM1		℃	0	1	1,041.90	1,075.15	1,054.01	1,068.03	1,056.21	1,088.10	1,021.34	1,032.97	1,047.31	1,056.32	1,040.19	1,050.08	1,064.45	1,047.97	1,024.63	1,047.98
TM3		℃	0	1	36.44	36.44	36.46	32.32	30.24	34.15	36.31	36.26	36.16	36.22	36.23	36.19	36.26	36.26	36.23	36.16

					03-14 16:00	03-14 16:30	03-14 17:00	03-14 17:30	03-14 18:00	03-14 18:30	03-14 19:00	03-14 19:30	03-14 20:00	03-14 20:30	03-14 21:00	03-14 21:30	03-14 22:00	03-14 22:30	03-14 23:00	03-14 23:30
TSP	20	mg/Sm³	12	1	0.52	0.52	0.44	0.39	0.40	0.43	0.47	0.46	0.55	0.48	0.52	0.42	0.48	0.45	0.44	0.46
SOx	30	ppm	12	1	15.46	1.28	0.81	6.81	9.72	4.85	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	3.58	4.41
NOx	70	ppm	12	1	44.16	15.97	15.32	20.88	18.72	20.41	16.95	19.11	23.18	19.01	17.90	20.70	17.67	18.15	18.49	15.83
HCl	15	ppm	12	1	4.22	9.35	6.15	8.95	10.97	7.50	4.54	3.11	3.83	3.05	3.59	1.93	3.03	2.15	3.26	7.73
CO	50	ppm	12	1	41.59	0.23	0.51	0.30	0.16	0.13	0.17	0.14	0.13	0.14	0.45	0.18	0.26	0.19	0.16	0.21
O_2		%	0	0.1	10.04	5.59	8.04	6.85	6.81	7.70	8.69	8.39	10.36	8.70	9.77	7.25	8.82	8.04	7.59	8.01
FL1		Sm³	12	10	11,139	11,904	12,944	14,318	14,109	12,894	11,857	12,215	10,493	11,886	10,687	13,406	11,768	12,595	13,202	12,689
TMP		℃	0	1	177.38	176.95	176.22	174.99	174.87	175.12	174.25	174.03	174.81	174.97	174.54	174.02	174.68	175.07	174.40	174.72
TM1		℃	0	1	1,066.29	1,060.08	1,008.35	1,043.52	1,092.21	1,093.35	1,043.77	1,048.16	1,081.84	1,054.65	1,001.89	1,091.57	1,030.91	1,045.81	1,061.29	1,069.89
TM3		℃	0	1	36.12	36.13	36.21	36.25	36.25	36.25	36.24	36.23	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21

3월 15일 굴뚝별 트랜드

					03-15 00:00	03-15 00:30	03-15 01:00	03-15 01:30	03-15 02:00	03-15 02:30	03-15 03:00	03-15 03:30	03-15 04:00	03-15 04:30	03-15 05:00	03-15 05:30	03-15 06:00	03-15 06:30	03-15 07:00	03-15 07:30
TSP	20	mg/Sm³	12	1	0.56	0.46	0.47	0.44	0.45	0.46	0.48	0.43	0.55	0.46	0.46	0.41	0.43	0.45	0.45	0.47
SOx	30	ppm	12	1	5.83	0.50	0.85	10.90	1.29	0.00	0.22	5.19	0.00	0.00	0.00	0.22	0.00	0.00	0.28	0.34
NOx	70	ppm	12	1	26.81	17.00	19.84	28.13	25.50	23.87	19.51	23.25	20.07	17.56	19.77	23.13	26.44	21.23	20.03	17.64
HCl	15	ppm	12	1	5.41	2.21	3.48	3.37	4.66	2.33	5.23	9.28	8.38	3.79	2.05	1.85	2.52	3.23	3.02	4.36
CO	50	ppm	12	1	0.17	0.23	0.10	0.12	0.08	0.16	0.32	0.19	0.27	0.25	0.18	0.07	0.08	0.14	0.22	0.24
O_2		%	0	0.1	10.00	8.33	8.39	7.39	7.96	8.13	8.46	7.04	10.56	8.01	7.88	6.48	6.74	7.60	7.62	8.03
FL1		Sm³	12	10	10,447	12,323	12,018	13,355	12,546	12,465	12,484	13,713	10,929	12,732	12,739	14,214	14,406	13,377	13,233	12,804
TMP		℃	0	1	174.86	174.35	174.14	174.77	174.60	174.45	174.75	175.15	174.67	174.29	174.10	174.26	174.71	175.23	174.80	174.19
TM1		℃	0	1	1,113.69	1,081.22	1,094.79	1,140.00	1,130.94	1,089.10	1,054.98	1,097.21	1,054.67	1,055.97	1,064.21	1,122.23	1,130.43	1,089.72	1,070.92	1,046.67
TM3		℃	0	1	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.11

					03-15 08:00	03-15 08:30	03-15 09:00	03-15 09:30	03-15 10:00	03-15 10:30	03-15 11:00	03-15 11:30	03-15 12:00	03-15 12:30	03-15 13:00	03-15 13:30	03-15 14:00	03-15 14:30	03-15 15:00	03-15 15:30
TSP	20	mg/Sm³	12	1	0.58	0.49	0.42	0.50	0.41	0.44	0.45	0.44	0.57	0.46	0.48	0.45	0.47	0.45	0.46	0.47
SOx	30	ppm	12	1	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.38	1.56	0.00	0.00	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	26.68	17.05	20.97	14.39	18.53	24.17	19.21	24.90	29.62	21.90	21.51	21.94	20.72	19.65	21.68	16.07
HCl	15	ppm	12	1	10.87	4.94	2.29	2.73	2.10	3.32	3.47	3.91	5.96	7.41	4.52	2.95	1.83	1.75	2.24	3.58
CO	50	ppm	12	1	0.38	0.47	0.32	0.61	0.24	0.21	0.26	0.21	0.28	0.27	0.36	0.24	0.25	0.32	0.26	0.42
O_2		%	0	0.1	10.45	8.35	6.26	8.82	6.03	6.89	7.21	7.05	10.49	7.78	8.35	7.18	8.04	7.47	7.70	8.36
FL1		Sm³	12	10	11,111	12,598	14,889	12,138	15,119	14,329	13,726	13,858	10,858	13,097	12,612	13,960	12,906	13,489	13,291	12,345
TMP		℃	0	1	174.64	174.80	174.73	174.65	175.03	175.70	175.80	175.58	175.38	174.80	174.53	175.00	174.58	174.37	174.53	174.52
TM1		℃	0	1	1,034.74	1,013.33	1,066.48	982.39	1,074.00	1,072.41	1,061.09	1,089.31	1,070.23	1,052.05	1,020.73	1,068.81	1,059.41	1,054.57	1,046.41	1,014.92
TM3		℃	0	1	36.13	36.16	36.21	36.18	36.12	36.12	36.17	36.17	36.20	36.21	36.21	36.21	36.16	36.23	36.28	36.15

					03-15 16:00	03-15 16:30	03-15 17:00	03-15 17:30	03-15 18:00	03-15 18:30	03-15 19:00	03-15 19:30	03-15 20:00	03-15 20:30	03-15 21:00	03-15 21:30	03-15 22:00	03-15 22:30	03-15 23:00	03-15 23:30
TSP	20	mg/Sm³	12	1	0.59	0.54	0.53	0.51	0.48	0.49	0.46	0.51	0.60	0.53	0.51	0.51	0.55	0.50	0.50	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	0.00	0.00	0.00	0.00	0.01	0.69	0.00
NOx	70	ppm	12	1	16.90	14.60	20.39	17.52	17.06	18.23	18.96	19.67	17.00	15.25	13.47	15.18	11.65	11.99	14.80	8.53
HCl	15	ppm	12	1	4.07	3.26	3.05	2.65	2.31	1.97	3.05	4.99	4.89	3.11	5.68	4.91	3.28	2.32	7.69	4.16
CO	50	ppm	12	1	0.70	0.79	0.47	0.55	0.45	0.43	0.25	0.38	0.79	0.75	0.66	0.57	0.94	0.59	0.28	0.64
O_2		%	0	0.1	11.51	9.54	9.13	9.07	8.77	8.58	7.94	8.88	11.46	9.47	8.90	8.89	9.74	8.59	8.60	9.17
FL1		Sm³	12	10	9,976	11,093	11,565	11,585	11,002	11,484	12,634	11,532	9,941	11,027	11,678	11,650	10,770	11,914	11,605	11,077
TMP		℃	0	1	176.15	179.30	180.55	180.26	178.99	178.06	178.37	180.46	181.43	179.79	178.42	179.05	179.13	178.33	179.04	180.34
TM1		℃	0	1	990.46	969.15	983.92	992.51	997.79	1,000.57	1,031.27	991.89	966.99	963.07	968.85	968.86	933.28	967.90	1,001.55	969.23
TM3		℃	0	1	36.18	36.21	36.21	36.21	36.23	36.27	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28	36.28

3월 16일 굴뚝별 트랜드

					03-16 00:00	03-16 00:30	03-16 01:00	03-16 01:30	03-16 02:00	03-16 02:30	03-16 03:00	03-16 03:30	03-16 04:00	03-16 04:30	03-16 05:00	03-16 05:30	03-16 06:00	03-16 06:30	03-16 07:00	03-16 07:30
TSP	20	mg/Sm³	12	1	0.58	0.57	0.56	0.50	0.54	0.57	0.54	0.64	0.66	0.54	0.54	0.57	0.54	0.57	0.57	0.52
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	14.45	6.89	8.78	10.09	9.47	9.93	11.77	15.41	13.40	11.15	11.05	11.30	14.13	13.54	14.10	14.55
HCl	15	ppm	12	1	2.07	2.79	0.68	0.43	0.71	0.02	0.00	2.89	5.34	0.34	0.27	1.16	1.23	0.77	1.16	0.82
CO	50	ppm	12	1	0.36	1.00	1.01	0.66	0.56	0.86	0.72	0.81	1.31	1.13	0.84	1.06	0.60	0.84	0.99	0.54
O_2		%	0	0.1	10.69	10.08	9.95	8.92	9.48	10.08	9.57	11.92	12.51	9.55	9.80	9.95	9.22	9.61	9.91	8.63
FL1		Sm³	12	10	10,753	10,231	10,798	11,870	10,997	10,572	11,748	10,358	9,356	11,233	10,687	10,646	11,739	11,145	11,014	12,576
TMP		℃	0	1	179.55	179.85	177.56	175.40	176.72	177.29	175.84	176.86	178.51	176.68	173.76	173.72	174.83	175.84	175.71	176.53
TM1		℃	0	1	1,000.09	932.09	922.63	956.25	962.30	930.77	936.19	934.07	907.20	922.10	949.70	936.01	961.25	945.83	932.55	969.45
TM3		℃	0	1	36.28	36.28	36.28	36.28	36.27	36.28	36.18	36.08	36.19	36.18	36.18	36.31	36.25	36.28	36.29	36.32

					03-16 08:00	03-16 08:30	03-16 09:00	03-16 09:30	03-16 10:00	03-16 10:30	03-16 11:00	03-16 11:30	03-16 12:00	03-16 12:30	03-16 13:00	03-16 13:30	03-16 14:00	03-16 14:30	03-16 15:00	03-16 15:30
TSP	20	mg/Sm³	12	1	0.66	0.55	0.57	0.57	0.53	0.51	0.57	0.54	0.66	0.47	0.59	0.45	0.55	0.54	0.56	0.53
SOx	30	ppm	12	1	0.00	0.00	0.87	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOx	70	ppm	12	1	11.69	13.04	12.19	10.12	14.35	18.64	13.23	15.71	17.70	14.93	9.51	21.81	14.90	12.56	12.57	13.75
HCl	15	ppm	12	1	1.54	0.21	1.29	8.57	1.31	1.05	2.72	1.39	1.53	1.57	2.43	0.46	1.84	1.59	1.56	5.63
CO	50	ppm	12	1	1.30	0.95	1.02	1.10	0.71	0.42	0.89	0.49	1.49	0.47	1.30	0.19	0.55	0.39	0.46	0.74
O_2		%	0	0.1	12.82	9.27	9.84	9.90	9.00	8.44	9.86	9.12	12.98	7.31	9.99	6.89	9.33	9.18	9.79	9.20
FL1		Sm³	12	10	9,510	11,467	11,065	10,870	11,614	12,445	10,828	11,464	9,599	14,031	10,660	14,016	11,447	11,175	10,577	11,711
TMP		℃	0	1	177.17	176.34	175.35	176.10	176.63	175.15	175.72	175.90	174.73	174.80	176.01	174.90	175.53	175.29	173.59	173.58
TM1		℃	0	1	900.27	949.15	938.26	923.79	962.29	1,004.75	949.99	975.59	887.43	1,002.09	924.14	1,081.13	991.93	1,010.17	991.25	967.94
TM3		℃	0	1	36.28	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21	36.21

					03-16 16:00	03-16 16:30	03-16 17:00	03-16 17:30	03-16 18:00	03-16 18:30	03-16 19:00	03-16 19:30	03-16 20:00	03-16 20:30	03-16 21:00	03-16 21:30	03-16 22:00	03-16 22:30	03-16 23:00	03-16 23:30
TSP	20	mg/Sm³	12	1	0.63	0.59	0.50	0.52	0.59	0.61	0.54	0.55	0.64	0.64	0.57	0.59	0.60	0.68	1.12	9.96
SOx	30	ppm	12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.84	0.00	0.00	5.02	2.66	20.75
NOx	70	ppm	12	1	16.47	9.94	15.38	11.66	9.11	12.17	12.55	10.90	13.28	8.36	14.96	15.40	18.61	22.50	33.97	69.63
HCl	15	ppm	12	1	11.99	5.10	1.14	3.50	2.44	0.43	0.08	0.95	3.89	3.15	8.17	2.86	2.47	13.39	27.59	137.96
CO	50	ppm	12	1	0.67	1.12	0.72	0.37	0.60	0.93	0.43	0.44	0.14	0.62	0.28	0.39	0.21	0.35	123.76	3,520.01
O_2		%	0	0.1	11.91	10.25	8.24	8.63	9.97	10.25	9.35	9.49	11.40	10.58	9.20	9.44	9.73	10.48	13.34	20.22
FL1		Sm³	12	10	9,992	10,492	12,833	12,021	10,848	10,284	11,286	11,082	9,937	10,343	11,349	11,223	10,977	12,220	9,302	703
TMP		℃	0	1	174.88	176.42	174.81	174.77	176.68	175.37	172.91	173.20	175.24	177.50	176.12	175.66	175.27	177.08	178.75	171.86
TM1		℃	0	1	951.83	915.13	974.69	994.53	964.90	952.69	972.31	975.79	1,024.39	951.83	1,017.47	999.29	1,007.33	980.09	858.71	476.73
TM3		℃	0	1	36.21	36.21	36.21	36.20	36.17	36.17	36.17	36.17	36.09	36.19	36.13	36.06	35.99	36.01	36.06	36.06