MICRO-ZEVA - Carmiel. 8 Stacks Periodic Test Results. 20/03, 02/05/2024.

Stack No.	Stack Gas Parameters Measured	Value	Units	Sampling Time HH:mm	Hazard Sampled	Hazard Instack Conc-n (St-d Cond-s, 0 oC) mg/dscm	Hazard Emission Rate Kg/Hour	Remarks	Emission Standard (TA-LUFT-2002) Hazard Classi-fication TA-LUFT 2002	Emission Standard (TA-LUFT-2002) Hazard Instack Conc-n (St-d Cond-s, 0 oC) mg/dscm
20/03/2024										
Stack 05.	Temp.	19.9	o C	09:54-10:28	Total Dust	0.778	0.000068		-----	50/20/10/5
	Water Cont-t	1.12	% vol	09:56-10:25	TOC as Carbon	4.102	0.000357		OG-III	50/20/10
Drying	Gas Velocity	1.55	m/sec							
Oven	Act. Gas Flow	98.4	acm/Hr							
Stack	St-d. Gas Flow	87.2	dscm/Hr							
02/05/2024										
Stack 01.	Temp.	24.7	o C	11:02-11:36	Total Dust	1.265	0.010917		-----	50/20/10/5
91284	Water Cont-t	2.72	% vol	11:03-11:32	TOC as Carbon	15.296	0.132030		OS-III	50/20/10
Painting	Gas Velocity	14.00	m/sec							
Box No. 1	Act. Gas Flow	9,894	acm/Hr							
Stack	St-d. Gas Flow	8,632	dscm/Hr							
Stack 02.	Temp.	26.3	o C	11:44-12:35	Total Dust	1.023	0.010520		-----	50/20/10/5
91292	Water Cont-t	3.28	% vol	11:50-12:19	TOC as Carbon	25.02	0.257404		OS-III	50/20/10
Painting	Gas Velocity	13.26	m/sec							
Box No. 2	Act. Gas Flow	11,932	acm/Hr							
Stack	St-d. Gas Flow	10,286	dscm/Hr							

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Stack No.	Stack Gas Parameters Measured	Value	Units	Sampling Time HH:mm	Hazard Sampled	Hazard Instack Conc-n (St-d Cond-s, 0 oC) mg/dscm	Hazard Emission Rate Kg/Hour	Remarks	Emission Standard (TA-LUFT-2002) Hazard Classi-fication TA-LUFT 2002	Emission Standard (TA-LUFT-2002) Hazard Instack Conc-n (St-d Cond-s, 0 oC) mg/dscm
Stack 03. 132701 Sand Blast System Stack	Temp.	28.6	o C	09:26-10:33	Total Dust	0.813	0.005558		-----	50/20/10/5
	Water Cont-t	2.20	% vol		As	0.0164	0.000112	< LOD	C-I	0.05
	Gas Velocity	8.78	m/sec		Cd	0.0033	0.000022	< LOD	C-I	0.05
	Act. Gas Flow	7,905	acm/Hr		Co	0.0033	0.000022	< LOD	IPM-II	0.50
	St-d. Gas Flow	6,836	dscm/Hr		Cr	0.0101	0.000069		IPM-III	1.0
					Cu	0.0127	0.000087	< LOD	IPM-III	1.0
					Mn	0.0152	0.000104		IPM-III	1.0
					Ni	0.0088	0.000060		IPM-II	0.50
					Pb	0.0136	0.000093	< LOD	IPM-II	0.50
					Sb	0.0164	0.000112	< LOD	IPM-III	1.0
					Se	0.0093	0.000063	< LOD	IPM-II	0.50
					Sn	0.0282	0.000193	< LOD	IPM-III	1.0
					Te	0.0282	0.000193	< LOD	IPM-II	0.50
					TL	0.0069	0.000047	< LOD	IPM-I	0.05
					V	0.0033	0.000022	< LOD	IPM-III	1.0
Stack 04.	Temp.	23.1	o C	10:30-11:20	Total Dust	2.112	0.024354		-----	50/20/10/5
	Water Cont-t	1.44	% vol	10:30-10:59	TOC as Carbon	19.421	0.223906		OS-III	50/20/10
Painting Box No. 4 Stack	Gas Velocity	18.37	m/sec							
	Act. Gas Flow	12,978	acm/Hr							
	St-d. Gas Flow	11,529	dscm/Hr							

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Stack No.	Stack Gas Parameters Measured	Value	Units	Sampling Time HH:mm	Hazard Sampled	Hazard Instack Conc-n (St-d Cond-s, 0 oC) mg/dscm	Hazard Emission Rate Kg/Hour	Remarks	Emission Standard (TA-LUFT-2002) Hazard Classi-fication TA-LUFT 2002	Emission Standard (TA-LUFT-2002) Hazard Instack Conc-n (St-d Cond-s, 0 oC) mg/dscm
Stack 09.	Temp.	24.0	o C	09:30-10:20	H2SO4	3.144	0.004281		-----	?????
	Water Cont-t	1.73	% vol		SO2	0.045	0.000061	< LOD	IPM-IV	35 - ?
Vanne	Gas Velocity	6.07	m/sec							
No. 17	Act. Gas Flow	1,544	acm/Hr							
Stack	St-d. Gas Flow	1,362	dscm/Hr							
Stack 10.	Temp.	24.6	o C	09:30-10:07	Total Dust	3.027	0.002291		-----	50/20/10/5
	Water Cont-t	1.02	% vol	09:30-09:59	TOC as Carbon	5.976	0.004522		OS-III	50/20/10
Vanne	Gas Velocity	7.55	m/sec							
No. 20	Act. Gas Flow	853.2	acm/Hr							
Stack	St-d. Gas Flow	756.7	dscm/Hr							
Stack 11.	Temp.	49.1	o C	10:45-11:50	Total Dust	0.810	0.0004651		-----	50/20/10/5
	Water Cont-t	2.40	% vol		Cr	0.0055	0.0000032		IPM-III	1.0
Vanne	Gas Velocity	2.80	m/sec							
No. 25	Act. Gas Flow	711.1	acm/Hr							
Stack	St-d. Gas Flow	574.3	dscm/Hr							

Remarks: 1. The Concentrations were Calculated at Standard Conditions (Dry Gas, 0 oC, Atmospheric Pressure)
TOC Concentrations were Calculated as CARBON.
2. "< LOD" = less than the Limit of Determination.
"< LOQ" = less than the Limit of Quantification.