

US EPA ARCHIVE DOCUMENT

Data Summary: HCl Production Furnaces, Semi Volatile Metals

	1	2	3	4	5	6	8	13	15	16	17	18	19	20
2	Source ID	Cond ID	Facility Information		Combustor Information		APCS Detailed Acronym	Hazardous Wastes	Munitions Popping Furnace	Chemical Weapons Demil	Mixed Radioactive Waste	Comm vs On-site	Gov't	Cond Dates
3	Number	Number	Facility Name	City	Combustor Category	Combustor Class								
4														
5														
6	2018	2018C2	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/VS/Q/HCLABS/VS/CLWS	Liq	No	No	No	OS	No	4/1/1998
7	2022	2022C3	PPG Industries, Inc.	Lake Charles	HCl production furnace	HCl Production Furnace	WHB, WS	Liq	No	No	No	OS	No	5/1/2001
8	2022	2022C4	PPG Industries, Inc.	Lake Charles	HCl production furnace	HCl Production Furnace	WHB, WS	Liq	No	No	No	OS	No	5/1/2001
9	788	788C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	MGCLREC/VS/SEP/DM	Liq	No	No	No	OS	No	11/1/1997
10	845	845C1	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/Q/HCLABS/VS/WS	Liq	No	No	No	OS	No	4/1/1998
11	845	845C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/Q/HCLABS/VS/WS	Liq	No	No	No	OS	No	4/1/1998
12	851	851C1	The Dow Chemical Company	Pittsburg	HCl production furnace	HCl Production Furnace	Q/HCIABS/WS	Liq	No	No	No	OS	No	10/31/1995
13	851	851C3	The Dow Chemical Company	Pittsburg	HCl production furnace	HCl Production Furnace	Q/HCIABS/WS	Liq	No	No	No	OS	No	9/30/1995
14	853	853C10	Dupont Dow Elastomers	LaPlace	HCl production furnace	HCl Production Furnace	WQ/3STGHCIABS/S/CWS	Liq	No	No	No	OS	No	4/1/1997
15														
16														
17	Sources Shut Down or No Longer Burning Hazardous Wastes													
18	2017	2017C1	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/Q/HCIABS/VE/CLWS	Liq	No	No	No	OS	No	2/1/1998
19	2017A	2017C1	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/Q/HCIABS/VE/CLWS	Liq	No	No	No	OS	No	2/1/1998
20	2017	2017C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/Q/HCIABS/VE/CLWS	Liq	No	No	No	OS	No	2/1/1998
21	2017A	2017C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/Q/HCIABS/VE/CLWS	Liq	No	No	No	OS	No	2/1/1998
22	786	786C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	DQ/HCLABS/VS/CLWS	Liq	No	No	No	OS	No	8/1/1998
23	2020	2020C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/VS/WS	Liq	No	No	No	OS	No	3/1/2000
24	842	842C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/HCLABS/WS	Liq	No	No	No	OS	No	5/1/1998
25	844	844C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/HCLABS/WS	Liq	No	No	No	OS	No	7/1/1998
26	848	848C3	Dow Chemical Company	Freeport	HCl production furnace	HCl Production Furnace	WHB/HCIABS/CWS	Liq	No	No	No	OS	No	6/1/1998

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2	21		22	23	25	26	30	31	32				33	34	35	36	37	38	57	58	61	62
2	Cond ID	Condition Information	Spiking		Tier		SVM Emissions				SVM Stack Emission (ug/dscm) - ND in %								Camp	Rating		
3	Number	Cond Description	Pb	Cd	Pb	Cd	Camp	Rating	Rating Comments		R1	R2	R3	Cond Avg		Camp	Rating					
4							Number				ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	Number			
5																						
6	2018C2	Risk burn, normal operating conditions	N					1	N		100	1.0	13	1.1	100	1.0	69	1.0		1	NA	
7	2022C3	Normal comb temp	N	N	1	1		1	N		28	0.6	100	4.3	100	0.6	93	1.8		1	NA	
8	2022C4	Risk burn, normal op cond, PCB containing material	N					1	N			2.2		2.1		0.7	0	1.7				
9	788C3	Risk burn, max liq waste feed rate, normal comb temp	N					1	N		100	0.5	100	0.5	100	0.5	100	0.5				
10	845C1	Trial burn, max waste feed rate, max ash and Cr	Y	N	1	1		1	NA	No Cd stack gas measurements, spiked F	144.6			157.2		158.1		151.7		1	NA	
11	845C3	Risk burn, above normal feed of liq waste, normal comb temp	N					1	N		0	4.3	19	1.8	16	1.7	8	2.6		1	NA	
12	851C1	Trial burn, max comb chamber temp	N	Y	1	3		1	NA	No Pb stack gas measurements		4.3		3.3		3.3		3.6		1	NA	
13	851C3	Risk burn, normal operating conditions	N					1	NA	No Pb stack gas measurements		1.0		1.2		0.8		1.0				
14	853C10	Risk burn, normal operating cond	N					1	N		100	5.7	100	2.8	100	2.9	100	3.8				
15																						
16																						
17	Put Down or																					
18	2017C1	Trial burn, max prod rate, min APCS, max waste feed rate	Y	N	1	1		1	NA	No Cd stack gas measurements; spiked F	58.4			66.1		59.3		60.9		1	NA	
19	2017C1	Trial burn, max prod rate, min APCS, max waste feed rate	Y	N	1	1		1	NA	Data in lieu; No Cd stack gas measureme	58.4			66.1		59.3		60.9		1	NA	
20	2017C3	Risk burn, normal operating conditions	N					1	N			0.0		0.2		3.2		1.1		1	NA	
21	2017C3	Risk burn, normal operating conditions	N					1	NA	Data in lieu		0.0		0.2		3.2		1.1		1	NA	
22	786C3	Risk burn; normal operating conditions	N					1	N		33	2.4	20	5.7		4.2	16	4.1				
23	2020C3	Risk burn, normal operating cond of liq feed and comb temp	N	N	1	1		1	N		11	1.4	13	1.2	27	1.5	18	1.4		1	NA	
24	842C3	Risk burn, normal operating conditions	N					1	N		59	3.4	100	1.9	55	1.6	57	2.3		1	NA	
25	844C3	Risk burn, slightly above normal liq waste feed rate, normal corr N	N					1	N			0.3		0.1		0.0		0.1		1	NA	
26	848C3	Risk burn, above normal liq waste feed rate, normal comb temp N	N					1	N		100	0.2	100	0.2	100	0.1	100	0.2				

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	2	63	64	65	66	67	68	69	82	83	108	109	113	114	115	116	117	118	119	138	139
2	Cond ID	SVM SRE	SVM SRE (%)				SVM Feedrate, Cond Avg (ug/dscm)			SVM Total Feedrate (ug/dscm) - By Runs											
3	Number	Comment	R1	R2	R3	Cond Avg	HW	Spike	Total	ND	R1	ND	R2	ND	R3	ND	Cond Avg				
4																					
5																					
6	2018C2	Normal	>	80.6 >	76.1 >	93.9 >	86.9	10.1	10.1	30	8	33	7	13	18	23	10				
7	2022C3	Normal				>	-805.8	0.2	0.2								0				
8	2022C4																				
9	788C3						108.5		108.5	100	106	100	93	100	127	100	109				
10	845C1	No Cd stack gas measurements	>	93.0 >	92.1 >	92.3 >	92.5	8.7	2,030.1	2,039.2	0	2,060	0	2,007	0	2,051	0	2,039			
11	845C3	Normal	>	37.0 >	71.2 >	5.0 >	46.9	10.0		10.0	39	11	44	10	81	9	53	10			
12	851C1	No Pb stack gas measurements	>	98.2 >	98.5 >	98.6 >	98.4	215.0	26.1	241.1	4	247	4	230	4	247	4	241			
13	851C3		>	98.8 >	98.9 >	98.2 >	98.8	87.0		87.0	8	91	6	114	16	56	9	87			
14	853C10							192.7		192.7	100	200	100	189	100	190	100	193			
15																					
16																					
17		put Down or																			
18	2017C1	No Cd stack gas measurements		98.9	98.7	98.8	98.8	9.4	5,113.2	5,122.6	5,275	5,102	5,090	5,123							
19	2017C1	No Cd stack gas measurements;		98.9	98.7	98.8	98.8	9.4	5,113.2	5,122.6	5,275	5,102	5,090	5,123							
20	2017C3	Normal			97.6	66.4	85.9	7.7		7.7	7	7	10	8							
21	2017C3	Data in lieu			97.6	66.4	85.9	7.7		7.7	7	7	10	8							
22	786C3							36.9		36.9	100	48	100	31	100	33	100	37			
23	2020C3	Normal	>	26.7 >	38.6 >	54.3 >	42.4	26.5		26.5	93	26	92	25	89	29	91	27			
24	842C3	Normal	>	42.2 >	90.0 >	85.3 >	80.8	14.5		14.5	29	8	12	22	18	13	17	15			
25	844C3	Normal	>	95.0	97.8	>	97.4	6.4		4.8	0	5	1	5	1	4	1	5			
26	848C3							5.3		5.3	100	5	100	5	100	5	100	5			