

US EPA ARCHIVE DOCUMENT

Data Summary: Incinerators, Semi Volatile Metals

1		2		3		4		5		6		7		8		13	14	15	16	17	18	19
2	Source ID	Cond ID	Facility Information		Combustor Information			APCS		Hazardous		Liquid		Munitions		Chemical		Mixed		Commercial		Gov't
3	Number	Number	Facility Name		City		Combustor Category		Combustor Class		Combustor Type		Detailed Acronym		Wastes		Popping Furnace		Weapons Demil		Radioactive vs On-site Waste	
4																						
5																						
6	221	221C1	ROLLINS ENVIRONMENTAL S	DEER PARK	Incinerator	Commercial inciner	Rotary kiln	SS/PT/VS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
7	221	221C2	ROLLINS ENVIRONMENTAL S	DEER PARK	Incinerator	Commercial inciner	Rotary kiln	SS/PT/VS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
8	221	221C3	ROLLINS ENVIRONMENTAL S	DEER PARK	Incinerator	Commercial inciner	Rotary kiln	SS/PT/VS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
9	221	221C4	ROLLINS ENVIRONMENTAL S	DEER PARK	Incinerator	Commercial inciner	Rotary kiln	SS/PT/VS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
10	221	221C5	ROLLINS ENVIRONMENTAL S	DEER PARK	Incinerator	Commercial inciner	Rotary kiln	SS/PT/VS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
11	222	222C13	WTI	East Liverpool	Incinerator	Commercial inciner	Rotary kiln	WHB/SD/CI/ESP/Q/PBS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
12	222	222C12	WTI	East Liverpool	Incinerator	Commercial inciner	Rotary kiln	WHB/SD/CI/ESP/Q/PBS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
13	222	222C11	WTI	East Liverpool	Incinerator	Commercial inciner	Rotary kiln	WHB/SD/CI/ESP/Q/PBS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
14	222	222C10	WTI	East Liverpool	Incinerator	Commercial inciner	Rotary kiln	WHB/SD/CI/ESP/Q/PBS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
15	222	222B3	WTI	East Liverpool	Incinerator	Commercial inciner	Rotary kiln	WHB/SD/CI/ESP/Q/PBS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
16	222	222B2	WTI	East Liverpool	Incinerator	Commercial inciner	Rotary kiln	WHB/SD/CI/ESP/Q/PBS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
17	222	222B1	WTI	East Liverpool	Incinerator	Commercial inciner	Rotary kiln	WHB/SD/CI/ESP/Q/PBS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
18	222	222C9	WTI	East Liverpool	Incinerator	Commercial inciner	Rotary kiln	WHB/SD/CI/ESP/Q/PBS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
19	222	222C8	WTI	East Liverpool	Incinerator	Commercial inciner	Rotary kiln	WHB/SD/CI/ESP/Q/PBS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
20	222	222C5	WTI	East Liverpool	Incinerator	Commercial inciner	Rotary kiln	WHB/SD/CI/ESP/Q/PBS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
21	222	222C1	WTI	East Liverpool	Incinerator	Commercial inciner	Rotary kiln	WHB/SD/CI/ESP/Q/PBS				Liq, solid, sludg	No	No	No	No	No	No	No	Comm	No	
22	327	327C10	Safety Kleen	Aragonite	Incinerator	Commercial inciner	Rotary kiln	CI/SD/FF/WS/WS/WESP				Liq, solid	No	No	No	No	No	No	No	Comm	No	
23	327	327C1	Safety Kleen	Aragonite	Incinerator	Commercial inciner	Rotary kiln	CI/SD/FF/WS/WS/WESP				Liq, solid	No	No	No	No	No	No	No	Comm	No	
24	327	327C2	Safety Kleen	Aragonite	Incinerator	Commercial inciner	Rotary kiln	CI/SD/FF/WS/WS/WESP				Liq, solid	No	No	No	No	No	No	No	Comm	No	
25	327	327C3	Safety Kleen	Aragonite	Incinerator	Commercial inciner	Rotary kiln	CI/SD/FF/WS/WS/WESP				Liq, solid	No	No	No	No	No	No	No	Comm	No	
26	331	331C10	Ross Environmental Services	Grafton	Incinerator	Commercial inciner	Rotary kiln	IWS				Liq, solid	No	No	No	No	No	No	No	Comm	No	
27	331	331C1	Ross Environmental Services	Grafton	Incinerator	Commercial inciner	Rotary kiln	IWS				Liq, solid	No	No	No	No	No	No	No	Comm	No	
28	331	331C2	Ross Environmental Services	Grafton	Incinerator	Commercial inciner	Rotary kiln	IWS				Liq, solid	No	No	No	No	No	No	No	Comm	No	
29	331	331C3	Ross Environmental Services	Grafton	Incinerator	Commercial inciner	Rotary kiln	IWS				Liq, solid	No	No	No	No	No	No	No	Comm	No	
30	338	338C10	Dupont Sabine River Works (SF Orange		Incinerator	Onsite incinerator	Rotary kiln	FF/VS/CD				Liq, sludge	No	No	No	No	No	No	OS	No		
31	338	338C11	Dupont Sabine River Works (SF Orange		Incinerator	Onsite incinerator	Rotary kiln	FF/VS/CD				Liq, sludge	No	No	No	No	No	No	OS	No		
32	338	338C1	Dupont Sabine River Works (SF Orange		Incinerator	Onsite incinerator	Rotary kiln	FF/VS/CD				Liq, sludge	No	No	No	No	No	No	OS	No		
33	338	338C2	Dupont Sabine River Works (SF Orange		Incinerator	Onsite incinerator	Rotary kiln	FF/VS/CD				Liq, sludge	No	No	No	No	No	No	OS	No		
34	340	340C1	Bayer Coporation	New Martinsville	Incinerator	Onsite incinerator	Fluidized bed	ESP/CI/WS				Liq, solid	No	No	No	No	No	No	OS	No		
35	340	340C2	Bayer Coporation	New Martinsville	Incinerator	Onsite incinerator	Fluidized bed	ESP/CI/WS				Liq, solid	No	No	No	No	No	No	OS	No		
36	341	341C10	GlaxoSmithKline	Research Triang	Incinerator	Onsite incinerator	Fixed hearth	DS/HE/FF				Liq, solid	No	No	No	No	No	No	OS	No		
37	341	341C12	GlaxoSmithKline	Research Triang	Incinerator	Onsite incinerator	Fixed hearth	DS/HE/FF				Liq, solid	No	No	No	No	No	No	OS	No		
38	341	341C1	GlaxoSmithKline	Research Triang	Incinerator	Onsite incinerator	Fixed hearth	DS/HE/FF				Liq, solid	No	No	No	No	No	No	OS	No		
39	341	341C2	GlaxoSmithKline	Research Triang	Incinerator	Onsite incinerator	Fixed hearth	DS/HE/FF				Liq, solid	No	No	No	No	No	No	OS	No		
40	342	342C1	UPJOHN CO.	KALAMAZOO	Incinerator	Onsite incinerator	Rotary kiln	WHB/QC/S/VS/DM				Liq, sludge	No	No	No	No	No	No	OS	No		
41	344	344C1	Johnston Atoll Chemical Agent I	Johnston Atoll	Incinerator	Onsite Incinerator,	Liquid injector	WQ/VS/PBS/DM				Liq	Yes	No	Yes	No	No	OS	Yes			
42	344	344C10	Johnston Atoll Chemical Agent I	Johnston Atoll	Incinerator	Onsite Incinerator,	Liquid injector	WQ/VS/PBS/DM				Liq	Yes	No	Yes	No	No	OS	Yes			
43	344	344C2	Johnston Atoll Chemical Agent I	Johnston Atoll	Incinerator	Onsite Incinerator,	Liquid injector	WQ/VS/PBS/DM				Liq	Yes	No	Yes	No	No	OS	Yes			
44	344	344C3	Johnston Atoll Chemical Agent I	Johnston Atoll	Incinerator	Onsite Incinerator,	Liquid injector	WQ/VS/PBS/DM				Liq	Yes	No	Yes	No	No	OS	Yes			
45	346	346C1	Johnston Atoll Chemical Agent I	Johnston Atoll	Incinerator	Onsite Incinerator,	Rotary kiln	WQ/VS/PBS/DM				Solid	No	Yes	Yes	No	No	OS	Yes			
46	346	346C10	Johnston Atoll Chemical Agent I	Johnston Atoll	Incinerator	Onsite Incinerator,	Rotary kiln	WQ/VS/PBS/DM				Solid	No	Yes	Yes	No	No	OS	Yes			
47	347	347C9	Deseret Army Depot, TOCDF, C Tooele		Incinerator	Onsite incinerator,	Rotary kiln	C/QT/VS/PBS/DM				Solid	No	Yes	Yes	No	No	OS	Yes			
48	347	347C8	Deseret Army Depot, TOCDF, C Tooele		Incinerator	Onsite incinerator,	Rotary kiln	C/QT/VS/PBS/DM				Solid	No	Yes	Yes	No	No	OS	Yes			
49	348	348C2	Occidental Chemical Corp, Niag	Niagara Falls	Incinerator	Incinerator	Liquid injctor	QC/ABS/IWS				Liquid Organics	Yes	No	No	No	No	OS	No			
50	348	348C3	Occidental Chemical Corp, Niag	Niagara Falls	Incinerator	Incinerator	Liquid injctor	QC/ABS/IWS				Liquid Organics	Yes	No	No	No	No	OS	No			
51	348	348C4	Occidental Chemical Corp, Niag	Niagara Falls	Incinerator	Incinerator	Liquid injctor	QC/ABS/IWS				Liquid Organics	Yes	No	No	No	No	OS	No			
52	348	348C1	Occidental Chemical Corp, Niag	Niagara Falls	Incinerator	Incinerator	Liquid injctor	QC/ABS/IWS				Liquid Organics	Yes	No	No	No	No	OS	No			
53	349	349C11	Alliant Ammunition and Powder	Radford	Incinerator	Onsite incinerator	Rotary kiln	AB/EC/FF/PBS				Liq, solid	No	No	No	No	No	OS	No			
54	349	349C3	Alliant Ammunition and Powder	Radford	Incinerator	Onsite incinerator	Rotary kiln	AB/EC/FF/PBS				Liq, solid	No	No	No	No	No	OS	No			
55	349	349C4	Alliant Ammunition and Powder	Radford	Incinerator	Onsite incinerator	Rotary kiln	AB/EC/FF/PBS				Liq, solid	No	No	No	No	No	OS	No			
56	357	357C12	DOE Oak Ridge K-25	Oak Ridge	Incinerator	Onsite Incinerator,	Rotary kiln	Q/VS/PBS/IWS				Liq, solid	No	No	No	Yes	No	OS	Yes			
57	359	359C4	ATOCHEM	CARROLLTON	Incinerator	Onsite Incinerator,	Rotary kiln	WHB/FF/S				Liq, sludge	No	No	No	No	No	OS	No			
58	359	359C5	ATOCHEM	CARROLLTON	Incinerator	Onsite Incinerator,	Rotary kiln	WHB/FF/S				Liq, sludge	No	No	No	No	No	OS	No			
59	359	359C6	ATOCHEM	CARROLLTON	Incinerator	Onsite Incinerator,	Rotary kiln	WHB/FF/S				Liq, sludge	No	No	No	No	No	OS	No			
60	454	454C10	FMC Corporation, Agriculture P	Baltimore	Incinerator	Onsite incinerator	Liquid injctor	Q/S/WESP				Liq	Yes	No	No	No	No	OS	No			
61	454	454C11	FMC Corporation, Agriculture P	Baltimore	Incinerator	Onsite incinerator	Liquid injctor	Q/S/WESP				Liq	Yes	No	No	No	No	OS	No			

Data Summary: Incinerators, Semi Volatile Metals

	2	20	21		22	23	25	26	30	31	32	
2	Cond ID	Condition Information				Spiking		Tier		SVM Emissions		
3	Number	Cond	Cond Description		Pb	Cd	Pb	Cd	Campaign	Rating	Rating Comments	
4		Dates							Number			
5												
6	221C1	8/1/1988 ?							3	NA	NE - reflects older kiln arrangement	
7	221C2	8/1/1988 ?							3	NA	NE - reflects older kiln arrangement	
8	221C3	8/1/1988 ?							3	NA	NE - reflects older kiln arrangement	
9	221C4	8/1/1988 ?							3	NA	NE - reflects older kiln arrangement	
10	221C5	8/1/1988 ?							3	NA	NE - reflects older kiln arrangement	
11	222C13	11/1/1998 2000 Annual Performance Test			N	N	1	1	1	N	Normal waste, Metal spiking used?	
12	222C12	11/1/1998 1999 Annual Performance Test			N	N	1	1	2	N	Normal waste, Metal spiking used?	
13	222C11	11/1/1998 1998 Annual Performance Test			N	N	1	1	3	N	Normal waste, Metal spiking used?	
14	222C10	7/1/1997 1997 Annual Performance Test			N	N	1	1	4	N		
15	222B3	9/12/1995 ANNUAL PERFORMANCE TEST, NORM WASTE FEED, CARBON INJECTION	UL	UL			1	1	5	N	Assumed no spiking, tier 1	
16	222B2	2/1/1995 QUARTERLY EMISSION TEST FOR PB AND PM, CARBON INJECTION	N	N				1	6	NA	NE - no Cd emission data	
17	222B1	12/1/1994 QUARTERLY EMISSION TEST FOR PB AND PM, CARBON INJECTION	N	N				1	7	NA	NE - no Cd emission data	
18	222C9	9/1/1994 QUARTERLY EMISSION TEST FOR PM AND PB, CARBON INJECTION	N	N				1	8	NA	NE - no Cd emission data	
19	222C8	6/1/1994 QUARTERLY EMISSION TEST FOR PM AND PB, CARBON INJECTION	N	N				1	9	NA	NE - no Cd emission data	
20	222C5	2/1/1994 ?/ CARBON INJECTION	N	N				1	10	NA	NE - no Cd emission data	
21	222C1	5/1/1993 MAX FEED METALS,CL2,SCC TEMP,KILN AQUEOUS, NO CARBON INJ	Y	Y			3	3	11	NA	NE - no carbon injection used, old APCS	
22	327C10	6/1/2001 Trial burn, to set oper limits on all constituents	N	Y			3	3	1	CT		
23	327C1	5/1/1992 Trial burn, MAX LIQUID AND DIRECT BURN FEED RATES	Y	Y			3	3	2	IB		
24	327C2	3/1/1992 Trial burn, MAX SLUDGE FEED RATE	Y	Y			3	3	2	IB		
25	327C3	3/1/1992 Trial burn, MAX KILN HEAT INPUT	Y	Y			3	3	2	CT		
26	331C10	10/1/2000 Low temperature, DRE, high solids, APCD detuned	N	Y		U		U	1	NA	NE - metals tested for evaluation purposes only	
27	331C1	3/1/1993 Air Test (Normal Operation)	N	N					2	N		
28	331C2	3/1/1992 Trial burn	Y	Y			3	3	3	CT		
29	331C3	3/1/1992 Trial burn	Y	Y			3	3	3	NA	NE - no Cd emission data	
30	338C10	7/1/2000 Trial - risk burn (DRE)	Y	Y			3	3	1	IB	spiked but do not have levels	
31	338C11	7/1/2000 Trial - risk burn (Metals)	Y	Y			3	3	1	CT	spiked but do not have levels	
32	338C1	8/1/1990 Trial burn, MEDIUM TEMP/TYPICAL OP PARAMETERS	N	N			1	1	2	N		
33	338C2	8/1/1990 Trial burn, MAX TEMP/MAX WASTE,CL,ASH FEED	U	U			3	3	2	CT		
34	340C1	5/1/1992 Trial burn, MAX LIQUID FEED AND ASH INPUT	Y	Y			3	3	1	IB		
35	340C2	5/1/1992 Trial burn, MAX HEAT INPUT	Y	Y			3	3	1	CT		
36	341C10	4/1/1999 Trial burn, high temp for liq mode oper.	Y	N			3	1	1	IB	Mixed CT and N emission data	
37	341C12	4/1/1999 Trial burn, high temp for solid mode oper. Max batch size	N	Y			1	3	1	IB	Mixed CT and N emissions	
38	341C1	8/1/1993 MAX LIQUID WASTE FEED/MAX HEAT RELEASE	UL	UL			1	1	2	NA	Old APCS arrangement	
39	341C2	8/1/1993 REDUCED LIQUID WASTE FEED	UL	UL			1	1	2	NA	Old APCS arrangement	
40	342C1	12/1/1990 Trial burn, PART./METALS TESTING, HIGH SOLID FEED	U	U			3	3	1	CT	Assumed OPLs were set as result of test	
41	344C1	3/1/1992 Trial burn, NOMINAL CONDITIONS							1	NA		
42	344C10	4/1/1997 Agent GB (Sarin) trial burn	UL	UL			1	1	1	NA		
43	344C2	12/1/1990 Trial burn, NOMINAL CONDITIONS	UL	UL				1	1	NA	NE - no cadmium emission data	
44	344C3	8/1/1992 STEADY STATE CONDITIONS	UL	UL				1	1	NA		
45	346C1	3/1/1992 Trial burn, NOMINAL CONDITIONS	UL	UL			1	1	1	NA		
46	346C10	2/1/1998 GB Trial Burn	UL	UL			1	1	1	NA		
47	347C9	11/1/1998 Trial burn, agent GB	L	L			3	3	0	CT		
48	347C8	1/1/1997 DRE FOR AGENT FEED GB	L	L			3	3	1	CT		
49	348C2	4/16/1995 Trial burn, LOW COMB TEMP/HIGH WASTE FEED							1	N	Assumed no spiking, tier 1	
50	348C3	4/16/1995 Trial burn, HIGH COMB TEMP/HIGH WASTE FEED							1	N	Assumed no spiking, tier 1	
51	348C4	4/16/1995 Trial burn, LOW COMB TEMP/HIGH WASTE FEED							1	N	Assumed no spiking, tier 1	
52	348C1	2/10/1994 Preliminary trial burn, NOMINAL CONDITIONS							2	NA	Prelim test-assumed OPLs not established	
53	349C11	6/1/2000 Trial burn, max comb temp, max feedrate	N	Y			1	3	1	IB	Mixed CT and N	
54	349C3	6/1/1993 HIGH TEMPERATURE	N	Y			1	3	2	IB	Mixed CT and N	
55	349C4	6/1/1993 BASELINE,LOW TEMPERATURE	N	N					2	NA	NE - baseline test	
56	357C12	5/1/2001 Trial burn, max temp, max metals	Y	Y			3	3	1	CT		
57	359C4	4/1/1990 LOW METAL FEED	Y	Y			3	3	1	IB		
58	359C5	4/1/1990 MEDIUM METAL FEED	Y	Y			3	3	1	CT		
59	359C6	4/1/1990 HIGH METAL FEED	Y	Y			3	3	1	NA	NE - failed PM test	
60	454C10	7/1/2000 Trial burn, high temperature operation, spiking of ash and metals, (Metals spike	Y	Y			3	3	1	CT		
61	454C11	10/1/2000 Trial burn, minimum furnace temperature	UL	UL			1	1	1	N		

Data Summary: Incinerators, Semi Volatile Metals

	2	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	57	58	61	62	63	
2	Cond ID	SVM Stack Emissions (ug/dscm), (ND in % of Total)																			SVM SRE				
3	Number	R1		R2		R3		R4		R5		R6		R7		R8		R9		Cond Avg	Campaign Number	Rating	Comment		
4		ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND				Emiss	
5																									
6	221C1		80.7		123.7		104.4														102.9	3 NA		NE - reflects older kiln arrangement	
7	221C2		12.2	50	3.5		23.8														4	13.1	3 NA		NE - reflects older kiln arrangement
8	221C3		29.6		30.3		8.5															22.8	3 NA		NE - reflects older kiln arrangement
9	221C4		71.8		35.1		21.4															42.8	3 NA		NE - reflects older kiln arrangement
10	221C5		39.4		22.2		24.1															28.6	3 NA		NE - reflects older kiln arrangement
11	222C13		293.0		221.2		58.4															190.9	1 NA		Normal
12	222C12		9.7		12.8		11.0															11.1	2 NA		Normal
13	222C11		16.6		19.8		21.1															19.2	3 NA		Normal
14	222C10		12.4		4.8		2.4															6.6	4 NA		Normal
15	222B3								10		7.4		3.8									7.2	5 NA		Assumed no spiking, tier 1, normal
16	222B2		9.2		4.8		2.5															5.5			
17	222B1		7.4		4.5		4.1															5.4			
18	222C9		17.4		3.0		5.6															8.7			
19	222C8		75.4		12.3		16.2															34.6			
20	222C5		2.4		1.7		1.8		2		4.5		2.4									2.5			
21	222C1		41.3		92.5		116.2															83.3	6 NA		NE - reflects older kiln arrangement
22	327C10	100	9.8	100	9.4	100	10.2														100	9.8	1 CT		
23	327C1		20.5		17.1		38.5															25.4	2 IB		
24	327C2	76	8.7	0	55.2	89	7.3														18	23.7	2 IB		
25	327C3		55.7		33.8		23.1															37.6	2 CT		
26	331C10		489.0		1,045.0		1,120.0															884.7	1 NA		NE - metals tested for evaluation purposes
27	331C1		4,664.2		3,615.3		1,967.3															3,415.6			
28	331C2		29,112.7		16,684.7		16,052.8															20,616.7	2 IB		
29	331C3		6,731.1		6,794.2		6,939.7															6,821.7	2 CT		no Cd emission data
30	338C10	0	1.1	0	3.8	6.8	2.6														2	2.5			
31	338C11	19	4.4	21	11.3	15	5.1														19	6.9			
32	338C1	100	30.6	100	27.8	100	24.2														100	27.5	2 NA		Normal
33	338C2	100	34.1	100	28.4	100	31.6														100	31.4	2 CT		
34	340C1	66	7.1		5.6		4.1														28	5.6	1 IB		
35	340C2		20.0		8.6		11.3															13.3	1 CT		
36	341C10		0.4		1.3		0.6															0.8	1 IB		Mixed CT and N emission data
37	341C12	85	1.0	0	0.5	79	1.2														66	0.9	1 CT		Mixed CT and N emissions
38	341C1	100	30.9	100	47.9	100	27.9														100	35.6			
39	341C2	100	27.9	100	29.2	100	27.5														100	28.2			
40	342C1		30.1		19.3		12.6															20.7			
41	344C1	100	19.1	100	16.3	100	18.0	100	17												100	17.5			
42	344C10	88	0.8	100	0.6	0	0.6	17	1												55	0.6			
43	344C2	31	35.0	100	20.4	71	15.5														60	23.6			
44	344C3	100	21.2	100	20.5	7	103.4	38	18												34	40.9			
45	346C1		114.8		96.1		69.9		104													96.1			
46	346C10	14	5.0		5.4		5.6		8												3	6.0			
47	347C9		285.8		331.9		290.9															302.9			
48	347C8		1,565.7		280.7		1,420.4															1,088.9			
49	348C2				4.8		5.2		2													3.9	1 NA		Assumed no spiking, tier 1, normal
50	348C3		2.2		0.7		1.9															1.6	1 NA		Assumed no spiking, tier 1, normal
51	348C4		1.0		1.1		4.1															2.0	1 NA		Assumed no spiking, tier 1, normal
52	348C1		5.6		1.3		1.7															2.9	2 NA		Prelim test-assumed OPLs not established
53	349C11		365.2		636.0		731.8															577.6	1 CT		Mixed CT and N
54	349C3		32.3		33.1		39.7															35.1	2 CT		Mixed CT and N
55	349C4		92.7		30.4		43.0															55.4			
56	357C12		13,099.6		11,399.6		9,742.3															11,413.8	1 CT		
57	359C4				263.1		243.3	2.9	175												1	227.2	1 IB		
58	359C5		283.4		190.7		521.6															331.9	1 CT		
59	359C6	1.2	1,401.9	1.9	1,029.1		546.7														1	992.6	1 NA		NE - failed PM test
60	454C10		1,935.8		1,754.9		1,701.0															1,797.2	1 CT		
61	454C11		7.6		2.4		4.7															4.9	1 NA		normal

Data Summary: Incinerators, Semi Volatile Metals

2	64	65	66	67	68	69	70	71	72	73	74	75	82	83	86	87	88	89	90	91	92	93	94	95	96	97	104	105		
2	Cond ID	SVM SRE (%)														SVM SRE Used for Evaluation Purposes (%)														
3	Number	R1	R2	R3	R4	R5	R6	Cond Avg							R1	R2	R3	R4	R5	R6	Cond Avg									
4																														
5																														
6	221C1	>	9.762	>	3.988	>	20.649						>	11.671	>	9.762	>	3.988	>	20.649								>	11.671	
7	221C2	>	95.522	>	99.974	>	91.226						>	99.718	>	95.522	>	99.974	>	91.226								>	99.718	
8	221C3	>	98.909	>	98.719	>	99.209							98.895	>	98.909	>	98.719	>	99.209									98.895	
9	221C4	>	74.479	>	81.480	>	93.616							90.332	>	74.479	>	81.480	>	93.616									90.332	
10	221C5	>	96.542	>	97.979	>	97.008							97.784	>	96.542	>	97.979	>	97.008									97.784	
11	222C13		99.887		99.901		99.975							99.920		99.887		99.901		99.975								99.920		
12	222C12		99.989		99.997		99.983							99.995		99.989		99.997		99.983								99.995		
13	222C11		99.990		99.988		99.988							99.989		99.990		99.988		99.988								99.989		
14	222C10		99.957		99.993		99.999							99.994		99.957		99.993		99.999								99.994		
15	222B3								99.992		99.995		99.998		99.995								99.992		99.995		99.998		99.995	
16	222B2																													
17	222B1																													
18	222C9																													
19	222C8																													
20	222C5																													
21	222C1		99.995		99.989		99.986							99.990		99.995		99.989		99.986								99.990		
22	327C10	>	100.000	>	100.000	>	100.000						>	100.000	>	100.000	>	100.000	>	100.000								>	100.000	
23	327C1		99.956		99.999		99.996							99.997		99.956		99.999		99.996								99.997		
24	327C2		99.995		99.957		99.998							99.989		99.995		99.957		99.998								99.989		
25	327C3		99.988		99.992		99.946							99.988		99.988		99.992		99.946								99.988		
26	331C10													98.164														98.164		
27	331C1																													
28	331C2		97.529		98.936		98.671							98.436		97.529		98.936		98.671								98.436		
29	331C3		99.051		99.137		99.351							99.260		99.051		99.137		99.351								99.260		
30	338C10																													
31	338C11																													
32	338C1	>	99.706	>	99.696	>	99.731						>	99.711	>	99.706	>	99.696	>	99.731								>	99.711	
33	338C2	>	99.784	>	99.798	>	99.775						>	99.786	>	99.784	>	99.798	>	99.775								>	99.786	
34	340C1	>	99.545	>	99.277	>	99.476						>	99.461	>	99.545	>	99.277	>	99.476								>	99.461	
35	340C2	>	96.049	>	98.690	>	98.931						>	98.205	>	96.049	>	98.690	>	98.931								>	98.205	
36	341C10		99.998		99.993		99.997							99.996		99.998		99.993		99.997								99.996		
37	341C12		99.996		99.998		99.994							99.996		99.996		99.998		99.994								99.996		
38	341C1																													
39	341C2																													
40	342C1																													
41	344C1																													
42	344C10																													
43	344C2																													
44	344C3																													
45	346C1																													
46	346C10																													
47	347C9																													
48	347C8																													
49	348C2				99.496		99.488		99.835					99.612				99.496		99.488		99.835						99.612		
50	348C3		99.742		99.926		99.783							99.819		99.742		99.926		99.783								99.819		
51	348C4		98.220		97.884		91.607							96.028		98.220		97.884		91.607								96.028		
52	348C1		99.448		99.861		99.803							99.692		99.448		99.861		99.803								99.692		
53	349C11		99.879		99.739		99.700							99.781		99.879		99.739		99.700								99.781		
54	349C3		99.990		99.995		99.994							99.994		99.990		99.995		99.994								99.994		
55	349C4																													
56	357C12		86.747		88.211		90.444							88.490		86.747		88.211		90.444								88.490		
57	359C4													99.889														99.889		
58	359C5													99.846														99.846		
59	359C6													99.940														99.940		
60	454C10	>	72.616	>	75.897	>	62.874						>	71.508	>	72.616	>	75.897	>	62.874								>	71.508	
61	454C11	>	-606.502	>	-237.200	>	-497.002						>	-471.008	>	0.000	>	0.000	>	0.000								>	0.000	

Data Summary: Incinerators, Semi Volatile Metals

	2	108	109	110	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	138	139	
2	Cond ID	SVM Feedrate (ug/dscm)				SVM Total Feedrate (ug/dscm), (ND in % of total)																								
3	Number	HW	Spike	RM	Total	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	Cond Avg													
4						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
5																														
6	221C1	163			163	34	134	27	178	25	176																	28	163	
7	221C2	4,637			4,666	25	360	1	13,287	23	352																		4,666	
8	221C3	2,054			2,065	0	2,725	1	2,379	1	1,090																		2,065	
9	221C4	423			443	39	463	47	358	34	508																		443	
10	221C5	1,289			1,289	21	1,440	19	1,363	24	1,064																		1,289	
11	222C13				238,244		258,796		224,257		231,677																		238,244	
12	222C12				208,229		91,472		470,285		62,931																		208,229	
13	222C11				171,581		174,730		170,550		169,463																		171,581	
14	222C10				109,037		28,909		69,258		228,945																		109,037	
15	222B3				147,389		131,650		148,364		162,153																		147,389	
16	222B2																													
17	222B1																													
18	222C9																													
19	222C8																													
20	222C5																													
21	222C1				826,090		802,416		819,065		856,792																		826,090	
22	327C10	1,792	3,136,423		3,084,256		2,770,988		3,188,393		3,282,334													0				3,084,256		
23	327C1				899,551		46,899		1,651,201		1,000,553																		899,551	
24	327C2				212,117		178,553		129,091		328,708																		212,117	
25	327C3				313,312		482,770		414,271		42,894																		313,312	
26	331C10				48,193																								48,193	
27	331C1																													
28	331C2				1,318,399		1,178,387		1,568,776		1,208,035																	1,318,399		
29	331C3				921,482		775,697		852,723		1,136,026																		921,482	
30	338C10																													
31	338C11																													
32	338C1	9,516			9,516		10,425		9,138		8,986																		9,516	
33	338C2	14,657			14,657		15,817		14,107		14,046																		14,657	
34	340C1	1,259			1,259	13	1,800	22	988	22	990																	18	1,259	
35	340C2	965			965	30	723	25	882	18	1,290																	23	965	
36	341C10	414	18,784		19,198		19,571		18,972		19,052																		19,198	
37	341C12	481	21,555		22,035		23,194		23,078		19,833																		22,035	
38	341C1	573			573	100	601	100	548	100	570																	100	573	
39	341C2	576			576	100	597	100	570	100	562																	100	576	
40	342C1																													
41	344C1																													
42	344C10																													
43	344C2																													
44	344C3																													
45	346C1																													
46	346C10																													
47	347C9																													
48	347C8																													
49	348C2				1,006				952		1,009		1,058																1,006	
50	348C3				878		851		904		878																		878	
51	348C4				51		54		51		49																		51	
52	348C1				927		1,018		919		845																		927	
53	349C11	263,653			263,653		302,880		243,802		244,275																		263,653	
54	349C3	552,753			552,753		326,266		620,884		711,110																		552,753	
55	349C4																													
56	357C12	258	98,903		99,161		98,842		96,697		101,946																		99,161	
57	359C4		204,318		204,318																								204,318	
58	359C5	0	216,020		216,020																								216,020	
59	359C6		1,666,898		1,666,898																								1,666,898	
60	454C10	6,391	6,290		6,391	1	7,126	1	7,362	2	4,685																	1	6,391	
61	454C11	2			2	37	2	52	2	51	2																	46	2	

Data Summary: Incinerators, Semi Volatile Metals

	2	140	141	142	143	144	145	164	165
2	Cond ID	SVM Feedrate Hazardous Wastes and Spike (ug/dscm)							
3	Number	R1		R2		R3		Cond Avg	
4		ND		ND		ND		ND	
5									
6	221C1	34	134	27	178	25	176	29	163
7	221C2	25	360	1	13,287	23	352	16	4,666
8	221C3	0	2,725	1	2,379	1	1,090	1	2,065
9	221C4	39	463	47	358	34	508	40	443
10	221C5	21	1,440	19	1,363	24	1,064	22	1,289
11	222C13		258,796		224,257		231,677		238,244
12	222C12		91,472		470,285		62,931		208,229
13	222C11		174,730		170,550		169,463		171,581
14	222C10		28,909		69,258		228,945		109,037
15	222B3		131,650		148,364		162,153		147,389
16	222B2								
17	222B1								
18	222C9								
19	222C8								
20	222C5								
21	222C1		802,416		819,065		856,792		826,091
22	327C10		2,770,988		3,188,393		3,282,334		3,080,571
23	327C1		46,899		1,651,201		1,000,553		899,551
24	327C2		178,553		129,091		328,708		212,117
25	327C3		482,770		414,271		42,894		313,312
26	331C10								
27	331C1								
28	331C2		1,178,387		1,568,776		1,208,035		1,318,399
29	331C3		775,697		852,723		1,136,026		921,482
30	338C10								
31	338C11								
32	338C1		10,425		9,138		8,986		9,516
33	338C2		15,817		14,107		14,046		14,657
34	340C1	13	1,800	22	988	22	990		1,259
35	340C2	30	723	25	882	18	1,290		965
36	341C10		19,571		18,972		19,052		19,198
37	341C12		23,194		23,078		19,833		22,035
38	341C1	100	601	100	548	100	570		573
39	341C2	100	597	100	570	100	562		576
40	342C1								
41	344C1								
42	344C10								
43	344C2								
44	344C3								
45	346C1								
46	346C10								
47	347C9								
48	347C8								
49	348C2				952		1,009		981
50	348C3		851		904		878		878
51	348C4		54		51		49		51
52	348C1		1,018		919		845		927
53	349C11		302,880		243,802		244,275		263,653
54	349C3		326,266		620,884		711,110		552,753
55	349C4								
56	357C12		98,842		96,697		101,946		99,161
57	359C4								
58	359C5								
59	359C6								
60	454C10	1	7,126	1	7,362	2	4,685	1	6,391
61	454C11	37	2	52	2	51	2	46	2

Data Summary: Incinerators, Semi Volatile Metals

2	1	2	3	4	5	6	7	8	13	14	15	16	17	18	19
3	Source ID	Cond ID	Facility Information		Combustor Information			APCS Detailed Acronym	Hazardous Wastes	Liquid	Munitions Popping Furnace	Chemical Weapons Demil	Mixed Radioactive Waste	Commercial vs On-site	Gov't
4	Number	Number	Facility Name	City	Combustor Category	Combustor Class	Combustor Type								
5															
62	463	463C13	Miles, Inc.	Kansas City	Incinerator	Onsite incinerator	Liquid injector	SC/SP/Q/PB	Liq	Yes	No	No	No	OS	No
63	463	463C12	Miles, Inc.	Kansas City	Incinerator	Onsite incinerator	Liquid injector	SC/SP/Q/PB	Liq	Yes	No	No	No	OS	No
64	470	470C1	JACADS	Johnston Atoll	Incinerator	Onsite incinerator,	I Moving hearth	WQ/VS/PBS/DM	Solid	No	Yes	Yes	No	OS	Yes
65	470	470C10	JACADS	Johnston Atoll	Incinerator	Onsite incinerator,	I Moving hearth	WQ/VS/PBS/DM	Solid	No	Yes	Yes	No	OS	Yes
66	470	470C11	JACADS	Johnston Atoll	Incinerator	Onsite incinerator,	I Moving hearth	WQ/VS/PBS/DM	Solid	No	Yes	Yes	No	OS	Yes
67	470	470C12	JACADS	Johnston Atoll	Incinerator	Onsite incinerator,	I Moving hearth	WQ/VS/PBS/DM	Solid	No	Yes	Yes	No	OS	Yes
68	478	478C10	American Cyanamid Company	Palmyra	Incinerator	Onsite incinerator	Liquid injector	Q/VS/DM	Liq	Yes	No	No	No	OS	No
69	480	480C3	CIBA-GEIGY CORPORATION	ST. GABRIEL	Incinerator	Onsite incinerator	Rotary kiln	QC/HS	Liq, sludge, soli	No	No	No	No	OS	No
70	488	488C1	ROLLINS ENVIRONMENTAL S	DEER PARK	Incinerator	Commercial inciner	Rotary kiln	SS/PT/VS/DM	Liq, sludge, soli	No	No	No	No	Comm	No
71	488	488C2	ROLLINS ENVIRONMENTAL S	DEER PARK	Incinerator	Commercial inciner	Rotary kiln	SS/PT/VS/DM	Liq, sludge, soli	No	No	No	No	Comm	No
72	488	488C3	ROLLINS ENVIRONMENTAL S	DEER PARK	Incinerator	Commercial inciner	Rotary kiln	SS/PT/VS/DM	Liq, sludge, soli	No	No	No	No	Comm	No
73	489	489C1	ROLLINS ENVIRONMENTAL S	DEER PARK	Incinerator	Commercial inciner	Rotary kiln, rot	SS/PT/VS/DM	Liq, sludge, soli	No	No	No	No	Comm	No
74	490	490C11	Ciba Specialty Chemicals Corp	McINTOSH	Incinerator	Onsite incinerator	Rotary kiln	SS/VS/PBS/VS	Liq, sludge	No	No	No	No	OS	No
75	490	490C1	Ciba Specialty Chemicals Corp	McINTOSH	Incinerator	Onsite incinerator	Rotary kiln	SS/VS/PBS/VS	Liq, sludge	No	No	No	No	OS	No
76	492	492C1	Eastman Chemical Company, L	Longview	Incinerator	Onsite incinerator	Fluidized bed	HE/VS/PB/DM	Liq, sludge	No	No	No	No	OS	No
77	492	492C11	Eastman Chemical Company, L	Longview	Incinerator	Onsite incinerator	Fluidized bed	HE/VS/PB/DM	Liq, sludge	No	No	No	No	OS	No
78	492	492C2	Eastman Chemical Company, L	Longview	Incinerator	Onsite incinerator	Fluidized bed	HE/VS/PB/DM	Liq, sludge	No	No	No	No	OS	No
79	492	492C3	Eastman Chemical Company, L	Longview	Incinerator	Onsite incinerator	Fluidized bed	HE/VS/PB/DM	Liq, sludge	No	No	No	No	OS	No
80	493	493C10	TOCDF, Deseret Army Depot,	C Tooele	Incinerator	Onsite incinerator,	I Liquid injector	C/QT/VS/PBS/DM	Sludge	Yes	No	Yes	No	OS	Yes
81	493	493C1	TOCDF, Deseret Army Depot,	C Tooele	Incinerator	Onsite incinerator,	I Liquid injector	C/QT/VS/PBS/DM	Sludge	Yes	No	Yes	No	OS	Yes
82	494	494C1	Deseret Army Depot, TOCDF,	C TOOELLE	Incinerator	Onsite incinerator,	Fixed hearth	C/QT/VS/PBS/DM	Sludge	No	No	Yes	No	OS	Yes
83	495	495C11	PPG	Circleville	Incinerator	Onsite incinerator	Rotary kiln	WHB/ESP/IDF/QT/PBS	solid, liq, sludge	No	No	No	No	OS	No
84	495	495C1	PPG	Circleville	Incinerator	Onsite incinerator	Rotary kiln	WHB/ESP/IDF/QT/PBS	solid, liq, sludge	No	No	No	No	OS	No
85	495	495C2	PPG	Circleville	Incinerator	Onsite incinerator	Rotary kiln	WHB/ESP/IDF/QT/PBS	solid, liq, sludge	No	No	No	No	OS	No
86	495	495C3	PPG	Circleville	Incinerator	Onsite incinerator	Rotary kiln	WHB/ESP/IDF/QT/PBS	solid, liq, sludge	No	No	No	No	OS	No
87	503	503C10	Lake City Army Ammunition Pla	Independence	Incinerator	Onsite Incinerator,	Rotary kiln	AB/HTHE/LTHE/C/FF	Solid, liq	No	Yes	No	No	OS	Yes
88	503	503C11	Lake City Army Ammunition Pla	Independence	Incinerator	Onsite Incinerator,	Rotary kiln	AB/HTHE/LTHE/C/FF	Solid, liq	No	Yes	No	No	OS	Yes
89	503	503C1	Lake City Army Ammunition Pla	Independence	Incinerator	Onsite Incinerator,	Rotary kiln	AB/HTHE/LTHE/C/FF	Solid, liq	No	Yes	No	No	OS	Yes
90	503	503C2	Lake City Army Ammunition Pla	Independence	Incinerator	Onsite Incinerator,	Rotary kiln	AB/HTHE/LTHE/C/FF	Solid, liq	No	Yes	No	No	OS	Yes
91	503	503C3	Lake City Army Ammunition Pla	Independence	Incinerator	Onsite Incinerator,	Rotary kiln	AB/HTHE/LTHE/C/FF	Solid, liq	No	Yes	No	No	OS	Yes
92	503	503C4	Lake City Army Ammunition Pla	Independence	Incinerator	Onsite Incinerator,	Rotary kiln	AB/HTHE/LTHE/C/FF	Solid, liq	No	Yes	No	No	OS	Yes
93	600	600C11	Dow Chemical Company	Freeport	Incinerator	Onsite incinerator	Rotary kiln	WHB/Q/IWS/CB	Liq, solid	No	No	No	No	OS	No
94	600	600C3	Dow Chemical Company	Freeport	Incinerator	Onsite incinerator	Rotary kiln	WHB/Q/IWS/CB	Liq, solid	No	No	No	No	OS	No
95	603	603C10	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial inciner	Rotary kiln	WQ/ABS/4-IWS	Liq,soild	No	No	No	No	Comm	No
96	603	603C12	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial inciner	Rotary kiln	WQ/ABS/4-IWS	Liq,soild	No	No	No	No	Comm	No
97	603	603C13	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial inciner	Rotary kiln	WQ/ABS/4-IWS	Liq,soild	No	No	No	No	Comm	No
98	603	603B3	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial inciner	Rotary kiln	WQ/ABS/4-IWS	Liq,soild	No	No	No	No	Comm	No
99	603	603C3	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial inciner	Rotary kiln	WQ/ABS/4-IWS	Liq,soild	No	No	No	No	Comm	No
100	603	603C8	Chemical Waste Mgmt	Port Arthur	Incinerator	Commercial inciner	Rotary kiln	WQ/ABS/4-IWS	Liq,soild	No	No	No	No	Comm	No
101	604	604C10	BASF	Geismar	Incinerator	Onsite incinerator	Liquid injector	WQ/VS/DM	Liq.	Yes	No	No	No	OS	No
102	609	609C11	Safety-Kleen Inc.	Deer Park	Incinerator	Commercial inciner	Rotary kiln	S/PT/VS	Liq,soild	No	No	No	No	Comm	No
103	609	609C13	Safety-Kleen Inc.	Deer Park	Incinerator	Commercial inciner	Rotary kiln	S/PT/VS	Liq,soild	No	No	No	No	Comm	No
104	609	609C1	Safety-Kleen Inc.	Deer Park	Incinerator	Commercial inciner	Rotary kiln	S/PT/VS	Liq,soild	No	No	No	No	Comm	No
105	611	611C1	Norco Chemical Plant-West Site	Norco	Incinerator	Onsite incinerator	Liquid injector	WHB/QS/AA/CS	Liquid wastes a	Yes	No	No	No	OS	No
106	613	613C10	Eastman Chemical Company, L	Longview	Incinerator	Onsite incinerator	Rotary kiln	WHB/QC/HES/PBS	Liq, solid, sludg	No	No	No	No	OS	No
107	700	700C1	Dupont	Wilmington	Incinerator	Onsite incinerator	Fixed hearth	SD/C/RJS/VS/WS	liq, solid	No	No	No	No	OS	No
108	706	706C4	Ciba-Geigy Corporation	St. Gabriel	Incinerator	Onsite incinerator	Liquid injector	QT/HS/C/DM	Liq	Yes	No	No	No	OS	No
109	707	707C10	Dupont	LaPorte	Incinerator	Onsite incinerator	Liquid injector	SC/ABS/Q	Liq	Yes	No	No	No	OS	No
110	712	712C1	Nepera Incorporated	Harriman	Incinerator	Onsite incinerator	Liquid injector	WHB	Liq	Yes	No	No	No	OS	No
111	712	712C11	Nepera Incorporated	Harriman	Incinerator	Onsite incinerator	Liquid injector	WHB	Liq	Yes	No	No	No	OS	No
112	712	712C2	Nepera Incorporated	Harriman	Incinerator	Onsite incinerator	Liquid injector	WHB	Liq	Yes	No	No	No	OS	No
113	725	725C1	Zeneca	Bayonne	Incinerator	Onsite incinerator	Liquid injector	WS/QT	Liq	Yes	No	No	No	OS	No
114	806	806C1	Amoco Oil Co.	Whiting	Incinerator	Onsite incinerator	Fluidized bed	C/VS	Liq, solid, sludg	No	No	No	No	OS	No
115	806	806C2	Amoco Oil Co.	Whiting	Incinerator	Onsite incinerator	Fluidized bed	C/VS	Liq, solid, sludg	No	No	No	No	OS	No
116	809	809C10	Eastman Chemical Company	Kingsport	Incinerator	Onsite incinerator	Rotary kiln	Q/SC/GS/WESP	liq,soild	No	No	No	No	OS	No
117	809	809C1	Eastman Chemical Company	Kingsport	Incinerator	Onsite incinerator	Rotary kiln	Q/SC/GS/WESP	liq,soild	No	No	No	No	OS	No

Data Summary: Incinerators, Semi Volatile Metals

	2	20	21	22	23	25	26	30	31	32	
2	Cond ID	Condition Information			Spiking		Tier		SVM Emissions		
3	Number	Cond	Cond Description	Pb	Cd	Pb	Cd	Campaign	Rating	Rating Comments	
4		Dates						Number			
5											
62	463C13	3/3/1994	Trial burn, worst case, max temp, max feedrate	Y	Y			3	3	1 CT	
63	463C12	10/13/1998	EPA OSW Sponsored Evaluation Testing	Y	Y	NA	NA			2 NA NE - research test	
64	470C1	8/16/1992	Trial burn, steady state condition	UL	UL			1	1	1 NA No longer burn haz waste	
65	470C10	3/1/2001	Halogenated waste trial burn, no metals spiking nor DRE	UL	UL			1	1	1 NA No longer burn haz waste	
66	470C11	3/1/1999	Trial burn, low temp, no metals spiking	UL	UL			1	1	1 NA No longer burn haz waste	
67	470C12	3/1/1998	Trial burn burn, GB-8inch M426 feed	UL	UL			1	1	1 NA No longer burn haz waste	
68	478C10	10/1/1997	Trial burn, minimum oper cond	N	Y			1	3	1 IB Mixed normal and worst case	
69	480C3	12/1/1993	CONTAINER AND BULK SOLIDS FEED	L	L			3	3	1 CT	
70	488C1	4/1/1989								1 NA NE - reflects older kiln arrangement	
71	488C2	4/1/1989								1 NA NE - reflects older kiln arrangement	
72	488C3	4/1/1989								1 NA NE - reflects older kiln arrangement	
73	489C1	6/1/1989								1 NA NE - reflects older kiln arrangement	
74	490C11	4/1/2000	Trial burn, worst case for metals, PM, chlorine (max temp, max feedrates)							0 CT	
75	490C1	3/1/1994	Trial burn, HIGH KILN EXIT TEMPERATURE, METALS SPIKING	N	Y	1?			3	1 IB	
76	492C1	1/1/1991	Max liquid, minimum sludge, high temp	N	N			1	1	1 N	
77	492C11	10/1/1998	Trial burn - worst-case metals	UL	UL			1	1	1 N	
78	492C2	2/1/1991	Max sludge, min liquid, max temp	N	N			1	1	1 N	
79	492C3	2/1/1991	med sludge, med liquid, min temp	N	N			1	1	1 N	
80	493C10	11/1/1998	Trial burn to set arsenic operating limits (waste with higher than average arsenic	N	N			1	1	0 N	
81	493C1	2/7/1997	Trial burn, DRE FOR AGENT FEED GB	UL	UL			1	1	1 N	
82	494C1	4/15/1997	Trial Burn, DRE FOR AGENT FEED GB	Y	Y			3	3	1 CT	
83	495C11	11/20/1997	Trial Burn, High Temperature, Metals Spike (Pb,Cr,As)	Y	N			3	3	1 IB Assumed extrapolation was used	
84	495C1	1/11/1988	Trial Burn, Slagging Kiln With Maximum Solids Loading		L				3	2 NA NE - no Cd emission data	
85	495C2	1/11/1988	Trial Burn, Non-Slagging Kiln With Maximum Solid Loading		L				3	2 NA NE - no Cd emission data	
86	495C3	1/15/1988	Trial burn, Liquid Feeds only		UL				1	2 NA NE - no Cd emission data	
87	503C10	11/29/1995	Trial burn, 5.56mm M855 SAWS feed, max metal feed	L	L			3	3	1 IB	
88	503C11	11/29/1995	Trial burn, 20mm M56 HEI feed, max metal feed	L	L			3	3	1 CT	
89	503C1	3/1/1993	Trial burn,High Waste Feed	U	Y			3	3	2 IB	
90	503C2	3/1/1993	Trial burn,Low Waste Feed	U	Y			3	3	2 CT	
91	503C3	5/30/1991	Trial burn, 20MM M96 Projectile Feed	U	Y			3	3	3 CT	
92	503C4	5/30/1991	Trial burn, FA-965 Primer Feed	U	Y			3	3	3 IB	
93	600C11	9/12/2000	Risk burn, normal temp, normal feedrate	UL	UL			1	1	1 N	
94	600C3	7/13/1995	Metals and ash permit testing	U	U	U	U			2 CT Assumed OPLs were established as result of test	
95	603C10	3/22/2000	RCRA / TSCA Biannual Trial burn, normal metal feeds	UL	UL			1	1	1 N	
96	603C12	7/12/1998	Bi-annual testing trial burn, max temp, max metals feeds	Y	Y			3	3	2 CT	
97	603C13	7/16/1998	Bi-annual testing, typical operations (metals at historic feedrates)	Y	Y			3	3	2 IB	
98	603B3	7/19/1994	Bi-Annual Stack Test At "Normal" Operating Conditions	U	U			1	1	3 N OPLs not likely set during testing	
99	603C3	9/21/1992	Bi-Annual Stack Test At "Normal" Operating Condition	U	U			1	1	4 N OPLs not likely set during testing	
100	603C8	5/20/1990	Trial Burn, DRE On Non-Energetic Solids Fed To Kiln	U	U			1	1	5 N OPLs not likely set during testing	
101	604C10	9/17/1992	Trial burn (initial)	UL	UL			1	1	1 N	
102	609C11	4/1/1998	Risk burn metals, high temp, max RR feed, moderate metals spike - Condition 2	Y	Y			3	3	1 IB	
103	609C13	4/1/1998	Trial burn, max temp, max metals spike - Condition 4	Y	Y			3	3	1 CT	
104	609C1	4/1/1995	TRAIN I: IS A RCRA AND TSCA PERMITTED INCINERATOR							2 CT	
105	611C1	7/1/1994	Air emissions compliance sampling	U	U			1	1	1 N	
106	613C10	9/24/1998	Trial burn, high temp metals and chlorine determination	Y	Y			3	3	1 CT	
107	700C1	5/19/1992	Trial Burn, High Metals Feed/Max Temp	Y	Y			3	3	1 CT	
108	706C4	4/27/1994	Metals Test Burn	Y				3		1 NA NE - No Pb emission data	
109	707C10	3/23/2001	Trial burn, max temp, max feedrate, worst oper cond	N	N			1	1	1 N	
110	712C1	2/1/1993	?	UL	UL			1	1	2 NA NE - no lead data	
111	712C11	11/16/1995	Trial burn, max feedrate, high temp	UL	UL			1	1	1 N	
112	712C2	9/23/1992	?	UL	UL			1	1	3 NA NE - no lead data	
113	725C1	6/19/1990	?	U	U	U	U			1 N OPLs not likely set during testing	
114	806C1	4/1/1989	Trial burn, HIGH WASTE FEED/HIGH COMB TEMP	L	U			3	U	1 CT Assumed tier 3 for both metals	
115	806C2	4/1/1989	Trial burn, LOW WASTE FEED/LOW COMB TEMP	L	U			3	U	1 IB Assumed tier 3 for both metals	
116	809C10	11/1/2001	Trial burn, max metals, ash, chlorine, min temp	N	Y			3	3	1 NA No Cd emissions data	
117	809C1	6/1/1991	Trial burn, LOW METALS FEED	N	Y			3	3	2 NA Old APCS	

Data Summary: Incinerators, Semi Volatile Metals

2	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	57	58	61	62	63		
2	Cond ID	SVM Stack Emissions (ug/dscm), (ND in % of Total)																			SVM SRE				
3	Number	R1	R2	R3	R4	R5	R6	R7	R8	R9	Cond Avg	Campaign	Rating	Comment											
4		ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	Number			
5																									
62	463C13		8,275.6		17,850.3		17,622.4													14,582.8		1	CT		
63	463C12		11.0		12.8		11.2													11.7		2	NA	NE - research test	
64	470C1	100	26.2	17	47.1	31	25.3	17	47										34	36.4					
65	470C10		15.3		19.3		18.0		25											19.3					
66	470C11		29.8		28.8		22.3		50											32.8					
67	470C12	47	1.3	53	1.1	83	0.7	88	1										63	0.9					
68	478C10		110.4		105.8		118.1													111.4		1	CT	Mixed normal and worst case	
69	480C3		11,928.9		17,593.1		17,773.8													15,765.3		1	CT		
70	488C1		897.6		1,520.1		732.6													1,050.1		2	NA	NE - reflects older kiln arrangement	
71	488C2		544.1		794.6		1,089.9													809.6		2	NA	NE - reflects older kiln arrangement	
72	488C3		562.4		345.7		940.1													616.1					
73	489C1		381.6		141.2		233.7													252.1		2	NA	NE - reflects older kiln arrangement	
74	490C11		115.0		142.4		133.3													130.2		0	CT		
75	490C1				32.9		35.0		35											34.2		1	IB		
76	492C1		53.2		63.6		84.3													67.1		1	NA	normal	
77	492C11		107.8		52.4		60.2													73.5		1	NA	normal	
78	492C2		23.0		25.9		17.3													22.0		1	NA	normal	
79	492C3		9.8		4.8		5.8													6.8		1	NA	normal	
80	493C10		2.3		23.0		1.4		4											7.6		0	NA	normal	
81	493C1		245.8		5.2		12.3													87.8		1	NA	normal	
82	494C1		3.5		4.0		3.7													3.8		1	CT		
83	495C11		96.8		84.0		74.1													85.0		1	CT	Assumed extrapolation was used	
84	495C1		2,180.3		943.2		766.3		728											1,154.5		2	NA	Assumed normal for lead/no Cd emission d	
85	495C2		1,282.1		1,706.5		1,232.8		1,078											1,324.9		2	NA	Assumed normal for lead/no Cd emission d	
86	495C3			0	57.7	0	18.8	100	3.2											26.6		2	NA	Assumed normal for lead/no Cd emission d	
87	503C10	0.3	640.9	0.4	539.9	0.6	435.2													538.7		0			
88	503C11		548.4		1,303.3		557.8													803.2					
89	503C1		787.9		799.5		793.6													793.7			2	IB	
90	503C2		734.8		879.1		1,284.1													966.0			2	CT	
91	503C3		896.0		1,539.4		552.4													995.9			3	CT	
92	503C4		1,142.1		1,059.3		731.5													977.6			3	IB	
93	600C11	18	6.2	0	4.4	43	2.5													4.4		17	1	NA	Normal
94	600C3		228.4		152.9		116.7													166.0					
95	603C10	2	18.3	1.7	20.8	1.6	21.1													20.1					
96	603C12		3,999.1		2,934.8		926.6													2,620.2			2	CT	
97	603C13		320.0		965.6		623.4													636.3			2	IB	
98	603B3		62.7		34.4		37.0													44.7					
99	603C3		35.2		37.4		68.2													46.9					
100	603C8	20	3.0	16	3.2	18	4.8		0											3.6		18	5	NA	OPLs not likely set during testing, normal
101	604C10	0	3.0	0	7.5	16	4.6	41	2											4.4		9	1	NA	Normal
102	609C11		1,222.5		1,139.2		1,015.1																		
103	609C13		3,673.7		2,842.9		4,326.8													1,125.6					
104	609C1		921.2		681.6		1,822.3													1,141.7					
105	611C1		309.5		266.0		278.0													284.5					
106	613C10		677.5		668.6		606.1													650.7			1	CT	
107	700C1		24,603.0		25,647.7		38,198.6													29,483.1			1	CT	
108	706C4		1,258.3		1,410.9		1,481.8													1,383.6			1	NA	Assumed normal for Cd, No Pb emission d
109	707C10	0	3.0	0	2.9	6.6	0.9													2.3		1	NA	Normal	
110	712C1	100	0.4	0	0.5	0	0.6													0.5		25	2	NA	SVM not controlled, SRE set to 0, normal
111	712C11	3	2.2	3.2	1.9	0	3.9													2.7		2	1	NA	SVM not controlled, SRE set to 0, normal
112	712C2	100	0.5	0	0.8	100	0.5													0.6		57			
113	725C1										43.8		29.1		39.4										
114	806C1		444.7		603.1		727.5																		
115	806C2		494.7		391.0		496.1																		
116	809C10		53.2		57.5		65.7																		
117	809C1		990.7		837.1		765.8																		

Data Summary: Incinerators, Semi Volatile Metals

	2	64	65	66	67	68	69	70	71	72	73	74	75	82	83	86	87	88	89	90	91	92	93	94	95	96	97	104	105	
2	Cond ID	SVM SRE (%)														SVM SRE Used for Evaluation Purposes (%)														
3	Number	R1	R2	R3	R4	R5	R6	Cond Avg		R1	R2	R3	R4	R5	R6	Cond Avg														
4																														
5																														
62	463C13		83.312		67.868		68.124								72.730		83.312		67.868		68.124								72.730	
63	463C12	>	98.395	>	98.385	>	98.422							>	98.399	>	98.395	>	98.385	>	98.422						>		98.399	
64	470C1																													
65	470C10																													
66	470C11																													
67	470C12																													
68	478C10		95.164		95.711		95.067								95.321		95.164		95.711		95.067								95.321	
69	480C3		93.844		90.684		90.632								91.737		93.844		90.684		90.632								91.737	
70	488C1	>	59.769	>	-3333.618	>	-387.840							>	-30.013	>	59.769	>	0.000		0.000						>		0.000	
71	488C2	>	-1590.515			>	-231.617							>	-534.798	>	0.000				>	0.000					>		0.000	
72	488C3																													
73	489C1		98.512		99.057		96.633								98.409		98.512		99.057		96.633								98.409	
74	490C11		99.958		99.943		99.941								99.948		99.958		99.943		99.941								99.948	
75	490C1				98.248		97.574		97.263						97.763				98.248		97.574		97.263						97.763	
76	492C1		93.985		92.728		91.082								92.563		93.985		92.728		91.082								92.563	
77	492C11						96.336		98.088		97.753				97.364				96.336		98.088		97.753						97.364	
78	492C2		98.421		98.317		98.931								98.565		98.421		98.317		98.931								98.565	
79	492C3		99.631		99.799		99.751								99.723		99.631		99.799		99.751								99.723	
80	493C10														98.389															98.389
81	493C1		71.375		98.963		98.481								87.890		71.375		98.963		98.481								87.890	
82	494C1		100.000		100.000		100.000								100.000		100.000		100.000		100.000								100.000	
83	495C11		99.971		99.973		99.968								99.971		99.971		99.973		99.968								99.971	
84	495C1		99.967		99.983		99.985		99.987						99.980		99.967		99.983		99.985		99.987						99.980	
85	495C2		99.978		99.966		99.981		99.979						99.977		99.978		99.966		99.981		99.979						99.977	
86	495C3				98.991		99.761		99.975						99.611				98.991		99.761		99.975						99.611	
87	503C10																													
88	503C11																													
89	503C1		99.765		99.755		99.766								99.762		99.765		99.755		99.766								99.762	
90	503C2		98.933		98.889		98.158								98.668		98.933		98.889		98.158								98.668	
91	503C3		86.930		76.652		89.694								84.115		86.930		76.652		89.694								84.115	
92	503C4		99.637		99.754		99.845								99.759		99.637		99.754		99.845								99.759	
93	600C11	>	-65.654	>	-14.209	>	66.918							>	-3.356	>	0.000	>	0.000	>	66.918						>		0.000	
94	600C3																													
95	603C10																													
96	603C12		98.882		99.185		99.819								99.360		98.882		99.185		99.819								99.360	
97	603C13		99.747		99.252		99.605								99.538		99.747		99.252		99.605								99.538	
98	603B3																													
99	603C3																													
100	603C8		99.913		99.914		99.858								99.895		99.913		99.914		99.858								99.895	
101	604C10	>	66.751		85.427	>	94.556	>	93.574					>	90.142	>	66.751		85.427	>	94.556	>	93.574				>		90.142	
102	609C11		98.474		98.560		98.768								98.602		98.474		98.560		98.768								98.602	
103	609C13		99.049		99.271		98.891								99.070		99.049		99.271		98.891								99.070	
104	609C1																													
105	611C1																													
106	613C10		98.859		98.850		98.947								98.885		98.859		98.850		98.947								98.885	
107	700C1		86.579		89.247		82.614								86.213		86.579		89.247		82.614								86.213	
108	706C4		82.065		84.557		86.376								84.642		82.065		84.557		86.376								84.642	
109	707C10		95.904		96.129		98.757								96.930		95.904		96.129		98.757								96.930	
110	712C1		-20.060				-479.315								-249.688		0.000		0.000		0.000								0.000	
111	712C11		90.319		88.198		76.221								84.913		90.319		88.198		76.221								84.913	
112	712C2																													
113	725C1																													
114	806C1																													
115	806C2																													
116	809C10		99.903		99.899		99.884								99.895		99.903		99.899		99.884								99.895	
117	809C1		95.219		95.936		96.386								95.851		95.219		95.936		96.386								95.851	

Data Summary: Incinerators, Semi Volatile Metals

2	108	109	110	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	138	139			
3	Cond ID	SVM Feedrate (ug/dscm)				SVM Total Feedrate (ug/dscm), (ND in % of total)																									
4	Number	HW	Spike	RM	Total	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	Cond Avg														
5						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
62	463C13	0	53,476		53,476		49,590		55,554		55,285																				
63	463C12	85	692	3	780	7	740	6	843	6	758																		7		
64	470C1																														
65	470C10																														
66	470C11																														
67	470C12																														
68	478C10	745	1,637		2,381		2,282		2,468		2,393																				
69	480C3				190,786		193,773		188,858		189,726																				
70	488C1	2,103			2,103	36	3,497	97	1,265	90	1,548																	62	2,103		
71	488C2	1,129			1,129	92	388	98	1,222	82	1,777																	89	1,129		
72	488C3	1,901			1,901	97	2,438	41	926	94	2,339																	87	1,901		
73	489C1	15,847			15,847		25,634		14,966		6,941																				
74	490C11				250,419		277,035		248,884		225,336																		250,419		
75	490C1	699	832		1,531		1,876		1,443		1,275																				
76	492C1				902		884		875		946																				
77	492C11				2,786				2,941		2,740			2,678																	
78	492C2				1,537		1,459		1,536		1,615																				
79	492C3				2,466		2,661		2,408		2,328																				
80	493C10	471			471																										
81	493C1	725			725		859		505		811																				
82	494C1	55	2,185,530		2,185,585		2,427,155		2,060,486		2,069,114																				
83	495C11	200,577	93,457		294,034		339,377		313,053		229,671																				
84	495C1				5,702,749		6,563,882		5,527,339		5,067,464			5,652,313																	
85	495C2				5,655,047		5,913,510		4,993,703		6,483,556			5,229,420																	
86	495C3				6,699				5,718		7,870			6,508																	
87	503C10																														
88	503C11																														
89	503C1	334,559			333,186		334,559		326,331		338,669																				
90	503C2	68,850			72,546		68,850		79,090		69,697																				
91	503C3	13,712			6,270		6,856		6,593		5,360																				
92	503C4	628,672			405,915		314,336		430,455		472,952																				
93	600C11	75			75	95	75	95	75	95	74																	95	75		
94	600C3																														
95	603C10																														
96	603C12				409,584		357,575		359,943		511,233																				
97	603C13				137,708		126,446		129,039		157,638																				
98	603B3																														
99	603C3																														
100	603C8				3,478		3,384		3,677		3,372																				
101	604C10				48	69	29	0	52	0	78	0	32															10	48		
102	609C11	5,281	75,255		80,536		80,128		79,108		82,371																				
103	609C13	100,249	288,498		388,747		386,285		389,733		390,225																				
104	609C1																														
105	611C1																														
106	613C10	1,469	56,896		58,365		59,377		58,145		57,573																				
107	700C1	13	213,409		213,849		183,316		238,525		219,705																				
108	706C4		9,009		9,009		7,016		9,136		10,876																				
109	707C10	74			74		74		74		74																				
110	712C1	0			0		0	100	0		0																				
111	712C11	18			18	17	23	25	16	25	16																				
112	712C2	1			1																										
113	725C1																														
114	806C1																														
115	806C2																														
116	809C10		56,064		56,064		54,827		56,875		56,491																				
117	809C1	6	20,831		20,837		20,723		20,599		21,189																				

Data Summary: Incinerators, Semi Volatile Metals

	2	140	141	142	143	144	145	164	165
2	Cond ID	SVM Feedrate Hazardous Wastes and Spike (ug/dscm)							
3	Number	R1	R2	R3	Cond Avg				
4		ND	ND	ND	ND	ND	ND	ND	ND
5									
62	463C13		49,590		55,554		55,285		53,476
63	463C12	7	740	6	843	6	758	7	780
64	470C1								
65	470C10								
66	470C11								
67	470C12								
68	478C10		2,282		2,468		2,393		2,381
69	480C3		193,773		188,858		189,726		190,786
70	488C1	36	3,497	97	1,265	90	1,548	74	2,103
71	488C2	92	388	98	1,222	82	1,777	90	1,129
72	488C3	97	2,438	41	926	94	2,339	77	1,901
73	489C1		25,634		14,966		6,941		15,847
74	490C11		277,035		248,884		225,336		250,419
75	490C1				1,876		1,443		1,660
76	492C1		884		875		946		902
77	492C11						2,941		2,941
78	492C2		1,459		1,536		1,615		1,537
79	492C3		2,661		2,408		2,328		2,466
80	493C10								
81	493C1		859		505		811		725
82	494C1		2,427,155		2,060,486		2,069,114		2,185,585
83	495C11		339,377		313,053		229,671		294,034
84	495C1		6,563,882		5,527,339		5,067,464		5,719,562
85	495C2		5,913,510		4,993,703		6,483,556		5,796,923
86	495C3				5,718		7,870		6,794
87	503C10								
88	503C11								
89	503C1		334,559		326,331		338,669		333,186
90	503C2		68,850		79,090		69,697		72,546
91	503C3		6,856		6,593		5,360		6,270
92	503C4		314,336		430,455		472,952		405,915
93	600C11	95	75	95	75	95	74	95	75
94	600C3								
95	603C10								
96	603C12		357,575		359,943		511,233		409,584
97	603C13		126,446		129,039		157,638		137,708
98	603B3								
99	603C3								
100	603C8		3,384		3,677		3,372		3,477
101	604C10	69	29	0	52	0	78	23	53
102	609C11		80,128		79,108		82,371		80,536
103	609C13		386,285		389,733		390,225		388,747
104	609C1								
105	611C1								
106	613C10		59,377		58,145		57,573		58,365
107	700C1		183,316		238,525		219,705		213,849
108	706C4		7,016		9,136		10,876		9,009
109	707C10		74		74		74		74
110	712C1		0		0	100	0		0
111	712C11	17	23	25	16	25	16	23	18
112	712C2								
113	725C1								
114	806C1								
115	806C2								
116	809C10		54,827		56,875		56,491		56,064
117	809C1		20,723		20,599		21,189		20,837

Data Summary: Incinerators, Semi Volatile Metals

	1	2	3	4	5	6	7	8	13	14	15	16	17	18	19
2	Source ID	Cond ID	Facility Information		Combustor Information			APCS Detailed Acronym	Hazardous Wastes	Liquid	Munitions Popping Furnace	Chemical Weapons Demil	Mixed Radioactive Waste	Commercial vs On-site	Gov't
3	Number	Number	Facility Name	City	Combustor Category	Combustor Class	Combustor Type								
4															
5															
118	809	809C2	Eastman Chemical Company	Kingsport	Incinerator	Onsite incinerator	Rotary kiln	Q/SC/GS/WESP	liq,solid	No	No	No	No	OS	No
119	810	810C10	Eastman Chemical Company	Kingsport	Incinerator	Onsite incinerator	Liquid injector	Q/SC/GS/WESP	Liq	Yes	No	No	No	OS	No
120	810	810C1	Eastman Chemical Company	Kingsport	Incinerator	Onsite incinerator	Liquid injector	Q/SC/GS/WESP	Liq	Yes	No	No	No	OS	No
121	810	810C2	Eastman Chemical Company	Kingsport	Incinerator	Onsite incinerator	Liquid injector	Q/SC/GS/WESP	Liq	Yes	No	No	No	OS	No
122	824	824C1	Pennwalt Corporation	Thorofare	Incinerator	Onsite incinerator	Liquid injector	QT/VS/PT/DM	Liq	Yes	No	No	No	OS	No
123	825	825C10	General Electric Company, Silic	Waterford	Incinerator	Onsite incinerator	Rotary kiln	QC/PTWS/IWS	Liq, solid, sludge	No	No	No	No	OS	No
124	825	825C11	General Electric Company, Silic	Waterford	Incinerator	Onsite incinerator	Rotary kiln	QC/PTWS/IWS	Liq, solid, sludge	No	No	No	No	OS	No
125	905	905C1	Velsicol Chemical Corporation	Memphis	Incinerator	Onsite incinerator	Liquid injector	QT/VS/AS/CS	Sludge	Yes	No	No	No	OS	No
126	915	915C1	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary kiln	Q/VS	Liq, solid	No	No	No	No	OS	No
127	3000	3000C1	Reynolds Metals Company	Gum Springs	Incinerator	Onsite incinerator	Rotary kiln	DS/FF/AB	Liq, solid	No	No	No	No	OS	No
128	3000	3000C2	Reynolds Metals Company	Gum Springs	Incinerator	Onsite incinerator	Rotary kiln	DS/FF/AB	Liq, solid	No	No	No	No	OS	No
129	3001	3001C2	PPG Industries, Inc.	Lake Charles	Incinerator	Onsite incinerator	Liquid injector	WS	Liq	Yes	No	No	No	OS	No
130	3001	3001C4	PPG Industries, Inc.	Lake Charles	Incinerator	Onsite incinerator	Liquid injector	WS	Liq	Yes	No	No	No	OS	No
131	3001	3001C5	PPG Industries, Inc.	Lake Charles	Incinerator	Onsite incinerator	Liquid injector	WS	Liq	Yes	No	No	No	OS	No
132	3003	3003C1	CAMDS Tooele Army Depot So	Tooele	Incinerator	Onsite incinerator,	Rotary kiln	AB/C/Q/VS/PBS/DM	Solid	No	Yes	Yes	No	OS	Yes
133	3003	3003C2	CAMDS Tooele Army Depot So	Tooele	Incinerator	Onsite incinerator,	Rotary kiln	AB/C/Q/VS/PBS/DM	Solid	No	Yes	Yes	No	OS	Yes
134	3004	3004C1	TOCDF Desert Army Depot (To	Tooele	Incinerator	Onsite incinerator,	Roller hearth	WQ/VS/PBS/DM	Liq, solid	No	Yes	Yes	No	OS	Yes
135	3004	3004C2	TOCDF Desert Army Depot (To	Tooele	Incinerator	Onsite incinerator,	Roller hearth	WQ/VS/PBS/DM	Liq, solid	No	Yes	Yes	No	OS	Yes
136	3004	3004C3	TOCDF Desert Army Depot (To	Tooele	Incinerator	Onsite incinerator,	Roller hearth	WQ/VS/PBS/DM	Liq, solid	No	Yes	Yes	No	OS	Yes
137	3005	3005C1	Deseret Army Depot TOCDF (T	Tooele	Incinerator	Onsite incinerator,	Liquid injector	WQ/VS/PBS/DM	Liq	Yes	No	Yes	No	OS	Yes
138	3005	3005C2	Deseret Army Depot TOCDF (T	Tooele	Incinerator	Onsite incinerator,	Liquid injector	WQ/VS/PBS/DM	Liq	Yes	No	Yes	No	OS	Yes
139	3005	3005C3	Deseret Army Depot TOCDF (T	Tooele	Incinerator	Onsite incinerator,	Liquid injector	WQ/VS/PBS/DM	Liq	Yes	No	Yes	No	OS	Yes
140	3006	3006C1	Crompton Corp OSi Group	Friendly	Incinerator	Onsite incinerator	Rotary kiln	Q/CCS/CFS/IWS	Liq, solid	No	No	No	No	OS	No
141	3007	3007C3	Cytec Industries, Inc.	Willow Island	Incinerator	Onsite incinerator	Fluidized bed	WS	Liq, sludge	No	No	No	No	OS	No
142	3007	3007C1	Cytec Industries, Inc.	Willow Island	Incinerator	Onsite incinerator	Fluidized bed	WS	Liq, sludge	No	No	No	No	OS	No
143	3007	3007C2	Cytec Industries, Inc.	Willow Island	Incinerator	Onsite incinerator	Fluidized bed	WS	Liq, sludge	No	No	No	No	OS	No
144	3008	3008C4	Tooele Army Depot North	Tooele	Incinerator	Onsite incinerator,	Rotary hearth	C/AB/FF	Liq, solid	No	Yes	No	No	OS	Yes
145	3008	3008C3	Tooele Army Depot North	Tooele	Incinerator	Onsite incinerator,	Rotary hearth	C/AB/FF	Liq, solid	No	Yes	No	No	OS	Yes
146	3008	3008B1	Tooele Army Depot North	Tooele	Incinerator	Onsite incinerator,	Rotary hearth	C/AB/FF	Liq, solid	No	Yes	No	No	OS	Yes
147	3008	3008B2	Tooele Army Depot North	Tooele	Incinerator	Onsite incinerator,	Rotary hearth	C/AB/FF	Liq, solid	No	Yes	No	No	OS	Yes
148	3008	3008B3	Tooele Army Depot North	Tooele	Incinerator	Onsite incinerator,	Rotary hearth	C/AB/FF	Liq, solid	No	Yes	No	No	OS	Yes
149	3008	3008B4	Tooele Army Depot North	Tooele	Incinerator	Onsite incinerator,	Rotary hearth	C/AB/FF	Liq, solid	No	Yes	No	No	OS	Yes
150	3010	3010C18	Clean Harbors Environmental S	Kimball County	Incinerator	Commercial inciner	Fluid bed	HE/SDA/CI/FF	Solid and liq	No	No	No	No	Comm	No
151	3010	3010C16	Clean Harbors Environmental S	Kimball County	Incinerator	Commercial inciner	Fluid bed	HE/SDA/CI/FF	Solid and liq	No	No	No	No	Comm	No
152	3010	3010C15	Clean Harbors Environmental S	Kimball County	Incinerator	Commercial inciner	Fluid bed	HE/SDA/CI/FF	Solid and liq	No	No	No	No	Comm	No
153	3010	3010C13	Clean Harbors Environmental S	Kimball County	Incinerator	Commercial inciner	Fluid bed	HE/SDA/CI/FF	Solid and liq	No	No	No	No	Comm	No
154	3011	3011C2	ICI Explosives Environmental C	Joplin	Incinerator	Commercial inciner	Rotary hearth	SD/BH/ABS	Liq, solid	No	Yes	No	No	Comm	No
155	3011	3011C3	ICI Explosives Environmental C	Joplin	Incinerator	Commercial inciner	Rotary hearth	SD/BH/ABS	Liq, solid	No	Yes	No	No	Comm	No
156	3012	3012C1	Kansas Army Ammunition Plant	Parsons	Incinerator	Onsite Incinerator,	Rotary kiln	AB/GC/C/FF	Solid	No	Yes	No	No	OS	Yes
157	3012	3012C2	Kansas Army Ammunition Plant	Parsons	Incinerator	Onsite Incinerator,	Rotary kiln	AB/GC/C/FF	Solid	No	Yes	No	No	OS	Yes
158	3012	3012C7	Kansas Army Ammunition Plant	Parsons	Incinerator	Onsite Incinerator,	Rotary kiln	AB/GC/C/FF	Solid	No	Yes	No	No	OS	Yes
159	3014	3014C2	3M Company	Cottage Grove	Incinerator	Onsite incinerator	Rotary kiln	Q/WESP/SC/S	Liq, solid	No	No	No	No	OS	No
160	3016	3016C14	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Sludge	No	No	No	No	OS	No
161	3016	3016C12	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Sludge	No	No	No	No	OS	No
162	3016	3016C10	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Sludge	No	No	No	No	OS	No
163	3016	3016C9	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Sludge	No	No	No	No	OS	No
164	3016	3016C7	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Sludge	No	No	No	No	OS	No
165	3016	3016C8	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Sludge	No	No	No	No	OS	No
166	3016	3016C5	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Sludge	No	No	No	No	OS	No
167	3016	3016C6	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Sludge	No	No	No	No	OS	No
168	3016	3016C4	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Sludge	No	No	No	No	OS	No
169	3016	3016C3	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Sludge	No	No	No	No	OS	No
170	3016	3016C1	Eastman Kodak Company	Rochester	Incinerator	Onsite incinerator	Rotary hearth	Q/PBS/VS/WESP	Sludge	No	No	No	No	OS	No
171	3018	3018C2	Squibb Manufacturing, Inc.	Humacao	Incinerator	Onsite incinerator	Liquid injector	Q/VS/PT/CHEAF	Liq	Yes	No	No	No	OS	No
172	3019	3019C2	Squibb Manufacturing, Inc.	Humacao	Incinerator	Onsite incinerator	Liquid injector	Q/VS/PT/CHEAF	Liq	Yes	No	No	No	OS	No
173	3020	3020C1	General Electric Company, Silic	Waterford	Incinerator	Onsite incinerator	Liquid injector	QC/PCS/IWS	Liq	Yes	No	No	No	OS	No

Data Summary: Incinerators, Semi Volatile Metals

	2	20	21	22	23	25	26	30	31	32	
2	Cond ID	Condition Information			Spiking		Tier		SVM Emissions		
3	Number	Cond	Cond Description	Pb	Cd	Pb	Cd	Campaign	Rating	Rating Comments	
4		Dates						Number			
5											
118	809C2	6/1/1991	Trial burn, HIGH METALS FEED	N	Y	3	3	2 NA		Old APCS	
119	810C10	6/1/2000	Worst-case cond, max feedrate	N	Y	3	3	1 CT			
120	810C1	6/1/1991	Trial burn, LOW METALS FEED	Y	Y	3	3	2 NA		Old APCS	
121	810C2	6/1/1991	Trial burn, HIGH METALS FEED	Y	Y	3	3	2 NA		Old APCS	
122	824C1	6/1/1989	DCFE Trial Burn	U	U	1	1	1 N		OPLs not likely set during testing	
123	825C10	7/1/1991	Trial burn, maximum heat duty, maximum flow, minimum temperature, maximum	Y	Y	3	3	1 CT			
124	825C11	12/1/1995	Supplemental trial burn to verify certain aspects of performance compliance.	N	N	1	1	1 N			
125	905C1	11/1/1989	Metals trial burn, spiked As, Cd, Cr	Y	N	3	1	1 NA		NE - no lead emission data	
126	915C1	6/1/1992	Trial burn, high temp, max feedrate	N	Y	1	3	1 IB		Mixed CT and N Emissions	
127	3000C1	11/1/1998	TB, One kiln operating, max metals feed, Worst case for spiked metals (As, Be,	N	N	1	1	1 N			
128	3000C2	11/1/1998	TB, Two kilns operating, worst case for PM and HCl, min temp, no spiking	N	N	1	1	1 N			
129	3001C2	6/1/2001	Trial burn, higher temp for DRE and metals	N	N	1	1	1 N			
130	3001C4	6/1/2001	Risk burn, normal op cond, non-PCB containing material	N	N	1	1	1 N			
131	3001C5	6/1/2001	Risk burn, normal op cond, PCB containing material	N	N	1	1	1 N			
132	3003C1	7/1/1993	Trial burn, mixed agent VX/munitions feed	UL	UL	1	1	1 N			
133	3003C2	1/1/1992	Trial burn, mixed agent HD/munitions feed	N	N			1 NA		NE - baseline test	
134	3004C1	9/1/1994	VX agent trial burn	UL	UL	1	1	1 N			
135	3004C2	1/1/1995	GB agent trial burn	UL	UL	1	1	1 N			
136	3004C3	4/1/1995	Baseline - one run w/nat gas only without agent GB					1 NA		NE - baseline test	
137	3005C1	1/1/1997	GB agent trial burn	N	N	1	1	1 N			
138	3005C2	8/1/1997	Baseline, natural gas only, 1 run only					1 NA		NE - baseline test	
139	3005C3	6/1/2002	GB agent trial burn w/metals spike	N	Y	1	3	1 IB		Mixed CT, N emission data	
140	3006C1	1/1/2001	Worst case mini-burn to demo compliance with HCT MACT stnds	N	Y	3	3	1 NA		Unclear of miniburn used to set OPLs	
141	3007C3	6/1/2000	Normal wastes, APCD operation, low comb temp	N	N	1	1	1 N		Pre-MACT compliance evaluation	
142	3007C1	12/1/1999	Normal wastes, APCD operation, low comb temp	N	N	1	1	2 N		Pre-MACT compliance evaluation	
143	3007C2	12/1/1999	Normal wastes, APCD operation, high comb temp	N	N	1	1	2 N		Pre-MACT compliance evaluation	
144	3008C4	5/1/2001	Risk burn, "normal" operation risk burn	N	Y	1	3	1 IB			
145	3008C3	7/1/2000	Trial burn, 0.5 caliber M17 tracer/ Cr powder. Max oper cond.	N	Y	1	3	2 IB		Mixed worst case, normal condition	
146	3008B1	8/1/1993	TEST SERIES 2					3 NA		Old APCS	
147	3008B2	8/1/1993	TEST SERIES 3					3 NA		Old APCS	
148	3008B3	8/1/1993						3 NA		Old APCS	
149	3008B4	8/1/1993	TEST SERIES 5					3 NA		Old APCS	
150	3010C18	11/1/2000	Annual, comprehensive performance test	U	U	1	1	1 N			
151	3010C16	9/1/1997	Annual, normal performance test	U	U	1	1	2 N			
152	3010C15	9/1/1996	Annual, normal performance test	L	L	3	3	3 IB		Likely spiked	
153	3010C13	12/1/1994	Trial burn, high nonviscous liquid feed rate, max comb temp	Y	Y	3	3	4 CT			
154	3011C2	5/1/1995	Trial burn, max chlorine feed, max heat content	L	L	3	3	1 CT			
155	3011C3	5/1/1995	Trial burn, max feedrate	L	L	3	3	1 NA		NE - no Cd emission data	
156	3012C1	4/1/1995	Trial burn, M223 fuze feed	Y	Y	3	3	1 NA		NE - Did not pass RCRA limits for Pb, Cd	
157	3012C2	4/1/1995	Trial burn, M48A1/M1911 feed	Y	Y	3	3	1 NA		NE - failed PM test	
158	3012C7	11/1/1995	Trial burn, M48A1/M1911 feed	U	UL			3		NE - no cd emission data	
159	3014C2	7/1/2001	Trial burn, max comb temp, max feedrate	N	Y	1	3	1 IB		Mixed CT, N	
160	3016C14	12/1/2001	Trial Burn, max waste feed, max SCC operating temp	Y	Y	3	3	1 CT		Worst case miniburn	
161	3016C12	5/1/2001	Mini-burn, max feedrate, high temp	N	N			2 N		Normal miniburn	
162	3016C10	7/1/2000	Trial burn, max feedrate, max #3 hearth temp	N	N			3 N		Normal miniburn	
163	3016C9	7/1/2000	Mini-burn, max feedrate, max #3 hearth temp	N	N			3 N		Normal miniburn	
164	3016C7	3/1/1999	Mini-burn, max feedrate, max temp at 1600 °F	N	N			4 N		Normal miniburn	
165	3016C8	3/1/1999	Mini-burn, max feedrate, max temp at 1505 °F	N	N			4 N		Normal miniburn	
166	3016C5	8/1/1998	Mini-burn, max feedrate, max temp at 1685 °F	N	N			5 N		Normal miniburn	
167	3016C6	8/1/1998	Mini-burn, max feedrate, max temp at 1615 °F	N	N			5 N		Normal miniburn	
168	3016C4	8/1/1995	Mini-burn, max feedrate	N	N			6 N		Normal miniburn	
169	3016C3	3/1/1995	Mini-burn, high temp	Y	Y	3	3	7 CT		Worst case miniburn	
170	3016C1	12/1/1994	Mini-burn, max feedrate	N	N			8 N		Normal miniburn	
171	3018C2	8/1/1998	Trial burn, elevated oper temp cond	UL	UL	1	1	1 N			
172	3019C2	8/1/1998	Trial burn, elevated oper temp cond	N	N	1	1	1 N			
173	3020C1	2/1/1992	Trial burn, maximum heat duty, maximum ash and chlorine feed	N	N	1	1	1 N			

Data Summary: Incinerators, Semi Volatile Metals

	2	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	57	58	61	62	63	
2	Cond ID	SVM Stack Emissions (ug/dscm), (ND in % of Total)																				SVM SRE			
3	Number	R1	R2	R3	R4	R5	R6	R7	R8	R9	Cond Avg	Campaign	Rating	Comment											
4		ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	Number			
5																									
118	809C2		23,051.0		19,407.5		19,455.4														20,638.0	2 NA		Old APCS	
119	810C10	33	5.4	25	4.9	26	5.2														28	5.1	1 CT		
120	810C1		1,028.8		521.6		1,186.4														912.3	2 NA		Old APCS	
121	810C2		2,040.5		1,890.3		1,399.1														1,776.7	2 NA		Old APCS	
122	824C1		49.1		13.9		64.6														42.5	1 NA		OPLs not likely set during testing, normal	
123	825C10	1.9	69.6	2.5	55.1		35.9														2	53.5	1 CT		
124	825C11		10.3		12.5		6.3														9.7	1 NA		Normal	
125	905C1		1,482.6		1,706.9		1,847.5														1,679.0	1 NA		assumed normal for Cd, no lead emission data	
126	915C1		1,226.6		1,581.5		1,042.8														1,283.6	1 CT			
127	3000C1	0	9.3	1.8	4.7	3.2	3.3														1	5.8			
128	3000C2	3.6	2.5	1.7	5.5		4.8														1	4.3			
129	3001C2	100	0.6	100	1.2	100	1.2														100	1.0			
130	3001C4		0.8		0.9		0.7																		
131	3001C5		0.5		0.3		0.8																		
132	3003C1	71	9.2		13.3	65	11.1			13											29	11.7			
133	3003C2		16.9		22.1		12.5	40	10												6	15.3			
134	3004C1		23.5		22.5		23.1																		
135	3004C2	100	3.0	100	22.3	46	4.9														91	10.1			
136	3004C3	100	11.5																		100	11.5			
137	3005C1		0.2		0.6		0.3																		
138	3005C2		0.3																						
139	3005C3	3.9	10.5	5.7	5.1	3.2	16.9														4	10.8	1 CT	Mixed CT, N emission data	
140	3006C1		6.7		14.3		28.1																		
141	3007C3		29.6		43.5		38.2																		
142	3007C1		104.9		92.9																				
143	3007C2		77.4		43.7																				
144	3008C4		8,224.8		5,459.2		5,050.2																		
145	3008C3		2,424.0		3,374.2		2,992.7																		
146	3008B1		6,856.1		6,688.4		5,103.1																		
147	3008B2		2,911.2		151.2		19,268.7																		
148	3008B3				16,857.7		8,059.5																		
149	3008B4		8,990.5		10,678.5		23.4																		
150	3010C18		52.6		16.4		13.2																		
151	3010C16		16.6		1.5		15.2																		
152	3010C15		12.6		4.9		0.8																		
153	3010C13		27.6		46.3		36.0																		
154	3011C2		41.3	59	15.7	81	25.7	78	19																
155	3011C3	100	13.4		27.0		17.4																		
156	3012C1		22,165.4		13,600.8		13,963.3																		
157	3012C2		62,575.9		89,036.6		69,832.5																		
158	3012C7		143.1		98.1		101.8																		
159	3014C2		58.5		73.3		44.0																		
160	3016C14		448.0		437.0		546.0																		
161	3016C12		147.0		226.0		87.0		74		88.0		255.0		176.0		110.0		68.0						
162	3016C10		112.0		116.0		34.0																		
163	3016C9		225.0		229.0		116.0																		
164	3016C7																								
165	3016C8																								
166	3016C5																								
167	3016C6																								
168	3016C4		70.6		75.0		125.7																		
169	3016C3																								
170	3016C1	77	115.5	100	143.3	100	153.6																		
171	3018C2	100	2.3	100	3.1			100		3															
172	3019C2	100	2.4	79	2.7	81	2.5																		
173	3020C1		6.2		3.2		5.1																		

Data Summary: Incinerators, Semi Volatile Metals

	2	64	65	66	67	68	69	70	71	72	73	74	75	82	83	86	87	88	89	90	91	92	93	94	95	96	97	104	105
2	Cond ID	SVM SRE (%)										SVM SRE Used for Evaluation Purposes (%)																	
3	Number	R1	R2	R3	R4	R5	R6	Cond Avg			R1	R2	R3	R4	R5	R6	Cond Avg												
4																													
5																													
118	809C2	88.489	91.397	91.189										90.426	88.489	91.397	91.189												90.426
119	810C10	> 99.935	> 99.929	> 99.929										> 99.931	> 99.935	> 99.929	> 99.929												> 99.931
120	810C1	98.129	99.077	98.059										98.414	98.129	99.077	98.059												98.414
121	810C2	99.698	99.711	99.789										99.733	99.698	99.711	99.789												99.733
122	824C1	> 87.279	> 96.755	> 74.492										> 88.031	> 87.279	> 96.755	> 74.492											>	88.031
123	825C10	> 99.910	> 99.939	> 99.958										> 99.936	> 99.910	> 99.939	> 99.958											>	99.936
124	825C11	> 96.975	> 92.842	> 95.387										> 95.537	> 96.975	> 92.842	> 95.387											>	95.537
125	905C1	> 91.232	> 88.466	> 76.828										> 87.332	> 91.232	> 88.466	> 76.828											>	87.332
126	915C1													95.124															95.124
127	3000C1																												
128	3000C2																												
129	3001C2																												
130	3001C4																												
131	3001C5																												
132	3003C1																												
133	3003C2																												
134	3004C1																												
135	3004C2																												
136	3004C3																												
137	3005C1																												
138	3005C2																												
139	3005C3	99.982	99.992	99.972										99.982	99.982	99.992	99.972												99.982
140	3006C1	99.895	99.782	99.682										99.774	99.895	99.782	99.682												99.774
141	3007C3	99.503	99.196	99.303										99.338	99.503	99.196	99.303												99.338
142	3007C1	99.109	98.892											99.009	99.109	98.892													99.009
143	3007C2	99.041	99.464											99.253	99.041	99.464													99.253
144	3008C4	99.964	99.978	99.985										99.977	99.964	99.978	99.985												99.977
145	3008C3	99.993	99.990	99.992										99.992	99.993	99.990	99.992												99.992
146	3008B1																												
147	3008B2																												
148	3008B3																												
149	3008B4																												
150	3010C18																												
151	3010C16																												
152	3010C15	99.966	99.986	99.998										99.983	99.966	99.986	99.998												99.983
153	3010C13													99.998															99.998
154	3011C2	99.997	> 99.999	> 99.998	> 99.999									> 99.998	99.997	> 99.999	> 99.998	> 99.999										>	99.998
155	3011C3	> 99.999	> 99.998	> 99.999										> 99.999	> 99.999	> 99.998	> 99.999											>	99.999
156	3012C1	95.773	97.013	96.829										96.498	95.773	97.013	96.829												96.498
157	3012C2	99.910	99.883	99.904										99.898	99.910	99.883	99.904												99.898
158	3012C7	99.824	99.880	99.879										99.861	99.824	99.880	99.879												99.861
159	3014C2	> 99.004	> 98.800	> 99.194										> 98.994	> 99.004	> 98.800	> 99.194										>	98.994	
160	3016C14	99.339	98.868	98.804										99.059	99.339	98.868	98.804												99.059
161	3016C12			99.409	99.664	98.971	96.717							98.875										99.409	99.664	98.971	96.717		98.875
162	3016C10																												
163	3016C9																												
164	3016C7													99.000															99.000
165	3016C8													99.260															99.260
166	3016C5													99.000															99.000
167	3016C6													99.000															99.000
168	3016C4	99.858	99.828	99.665										99.793	99.858	99.828	99.665												99.793
169	3016C3													99.217															99.217
170	3016C1													99.308															99.308
171	3018C2	> 68.676	> 30.059	> 57.478										> 60.225	> 68.676	> 30.059	> 57.478											>	60.225
172	3019C2	> 95.922	> 77.805	> 95.038										> 93.753	> 95.922	> 77.805	> 95.038											>	93.753
173	3020C1	99.856	99.932	99.878										99.889	99.856	99.932	99.878												99.889

Data Summary: Incinerators, Semi Volatile Metals

2	108	109	110	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	138	139		
3 Cond ID	SVM Feedrate (ug/dscm)				SVM Total Feedrate (ug/dscm), (ND in % of total)																									
	4 Number	HW	Spike	RM	Total	ND	R1	ND	R2	ND	R3	ND	R4	ND	R5	ND	R6	ND	R7	ND	R8	ND	R9	ND	R10	ND	R11	ND	Cond Avg	
5																														
118	809C2	6	215,549		215,554		200,259		225,601		220,804																		215,554	
119	810C10		7,477		7,477		8,224		6,884		7,334																		7,477	
120	810C1	10	57,514		57,526	0	54,979	0	56,483	0	61,115																	0	57,526	
121	810C2		664,836		664,845	0	676,774	0	653,623	0	664,137																	0	664,845	
122	824C1	370			370	3	396	4	443	6	271																	4	370	
123	825C10	2,099	82,291		84,390	0	77,364	0	90,494	0	85,313																	0	84,390	
124	825C11	249			261	12	387	21	221	22	175																	17	261	
125	905C1	13,388			13,388	1	17,080	1	14,948	2	8,136																	1	13,388	
126	915C1				26,327																								26,327	
127	3000C1	2,872			2,872	100	2,944	100	2,394	100	3,277																	100	2,872	
128	3000C2	3,587			3,587	100	3,656	100	3,544	100	3,562																	100	3,587	
129	3001C2	16			16	100	17	100	16	100	16																	100	16	
130	3001C4																													
131	3001C5																													
132	3003C1																													
133	3003C2																													
134	3004C1																													
135	3004C2																													
136	3004C3																													
137	3005C1	628			628	100	569	100	772	100	544																	100	628	
138	3005C2																													
139	3005C3	917	58,355		59,272	0	57,380	0	61,097	0	59,340																	0	59,272	
140	3006C1	1	7,249		7,251		6,314		6,562		8,839																		7,251	
141	3007C3	5,604			5,604		5,943		5,411		5,472																		5,604	
142	3007C1	9,983			9,983		11,769		8,391																				9,983	
143	3007C2	8,113			8,113		8,071		8,151																				8,113	
144	3008C4				27,116,593		23,066,809		#####		33,357,617																		27,116,593	
145	3008C3				35,491,732		36,211,354		#####		35,628,792																		35,491,732	
146	3008B1																													
147	3008B2																													
148	3008B3																													
149	3008B4																													
150	3010C18																													
151	3010C16																													
152	3010C15				36,044		36,757		36,452		34,922																			36,044
153	3010C13				1,543,223																									1,543,223
154	3011C2				1,618,863		1,584,010		1,617,397		1,693,224		1,580,820																	1,618,863
155	3011C3				1,631,989		1,718,751		1,587,047		1,590,169																			1,631,989
156	3012C1				473,323		524,373		455,275		440,321																			473,323
157	3012C2				72,719,625		69,776,240		#####		72,549,107																			72,719,625
158	3012C7				82,530		81,411		81,780		84,398																			82,530
159	3014C2	3,054	5,767		8,843	46	10,901	24	8,016	28	7,586																	34	8,843	
160	3016C14	20,564	30,120		50,685		67,818		38,601		45,636																		50,685	
161	3016C12				12,159						14,733		22,039		8,550		7,768		8,932		25,400		4,141		11,172		6,696		12,159	
162	3016C10																													
163	3016C9																													
164	3016C7				3,889																									3,889
165	3016C8				1,733																									1,733
166	3016C5				30,997																									30,997
167	3016C6				14,349																									14,349
168	3016C4				43,625		49,832		43,538		37,506																			43,625
169	3016C3		87,434		189,324																									189,324
170	3016C1	19,855			19,855																									19,855
171	3018C2	8			8	5	8	8	5	4	10	5	8															5	8	
172	3019C2	40			40		58		12		51																			40
173	3020C1	4,377	2,896		4,377		4,326		4,621		4,184																			4,377

Data Summary: Incinerators, Semi Volatile Metals

	2	140	141	142	143	144	145	164	165
2	Cond ID	SVM Feedrate Hazardous Wastes and Spike (ug/dscm)							
3	Number	R1		R2		R3		Cond Avg	
4		ND	ND	ND	ND	ND	ND	ND	
5									
118	809C2		200,259		225,601		220,804		215,554
119	810C10		8,224		6,884		7,334		7,481
120	810C1	0	54,979	0	56,483	0	61,115	0	57,526
121	810C2	0	676,774	0	653,623	0	664,137	0	664,845
122	824C1	3	396	4	443	6	271	4	370
123	825C10	0	77,364	0	90,494	0	85,313	0	84,390
124	825C11	12	387	21	221	22	175	19	261
125	905C1	1	17,080	1	14,948	2	8,136	1	13,388
126	915C1								
127	3000C1	100	2,944	100	2,394	100	3,277	100	2,871
128	3000C2	100	3,656	100	3,544	100	3,562	100	3,587
129	3001C2	100	17	100	16	100	16	100	16
130	3001C4								
131	3001C5								
132	3003C1								
133	3003C2								
134	3004C1								
135	3004C2								
136	3004C3								
137	3005C1	100	569	100	772	100	544	100	628
138	3005C2								
139	3005C3	0	57,380	0	61,097	0	59,340	0	59,272
140	3006C1		6,314		6,562		8,839		7,238
141	3007C3		5,943		5,411		5,472		5,609
142	3007C1		11,769		8,391				10,080
143	3007C2		8,071		8,151				8,111
144	3008C4		23,066,809		24,865,231		33,357,617		27,096,552
145	3008C3		36,211,354		34,787,881		35,628,792		35,542,676
146	3008B1								
147	3008B2								
148	3008B3								
149	3008B4								
150	3010C18								
151	3010C16								
152	3010C15		36,757		36,452		34,922		36,044
153	3010C13								
154	3011C2		1,584,010		1,617,397		1,693,224		1,631,543
155	3011C3		1,718,751		1,587,047		1,590,169		1,631,989
156	3012C1		524,373		455,275		440,321		473,323
157	3012C2		69,776,240		75,833,527		72,549,107		72,719,625
158	3012C7		81,411		81,780		84,398		82,530
159	3014C2	46	10,901	24	8,016	28	7,586	33	8,834
160	3016C14		67,818		38,601		45,636		50,685
161	3016C12						14,733		14,733
162	3016C10								
163	3016C9								
164	3016C7								
165	3016C8								
166	3016C5								
167	3016C6								
168	3016C4		49,832		43,538		37,506		43,625
169	3016C3								
170	3016C1								
171	3018C2	5	8	8	5	4	10	5	7
172	3019C2		58		12		51		40
173	3020C1		4,326		4,621		4,184		4,377

Data Summary: Incinerators, Semi Volatile Metals

	1	2	3	4	5	6	7	8	13	14	15	16	17	18	19
2	Source ID	Cond ID	Facility Information		Combustor Information			APCS Detailed Acronym	Hazardous Wastes	Liquid	Munitions Popping Furnace	Chemical Weapons Demil	Mixed Radioactive Waste	Commercial vs On-site	Gov't
3	Number	Number	Facility Name	City	Combustor Category	Combustor Class	Combustor Type								
4															
5															
174	3020	3020C2	General Electric Company, Silic	Waterford	Incinerator	Onsite incinerator	Liquid injector	QC/PCS/IWS	Liq	Yes	No	No	No	OS	No
175	3021	3021C3	Merck Sharp and Dohme	Barceloneta	Incinerator	Onsite incinerator	Rotary kiln	WS	Liq, solid, sludge	No	No	No	No	OS	No
176	3021	3021C4	Merck Sharp and Dohme	Barceloneta	Incinerator	Onsite incinerator	Rotary kiln	WS	Liq, solid, sludge	No	No	No	No	OS	No
177	3027	3027C2	Celanese LTD.	Pasadena	Incinerator	Onsite incinerator	Liquid injector	WS	Liq	Yes	No	No	No	OS	No
178	3028	3028C3	Oxy Vinyls, LP VCM Incinerator	Deer Park	Incinerator	Onsite incinerator	Liquid injector	WQ/PB/SC/KO	Liq	Yes	No	No	No	OS	No
179	3028A	3028C3	Oxy Vinyls, LP VCM Incinerator	Deer Park	Incinerator	Onsite Incinerator	Liquid injector	WQ/PB/SC	Liq	Yes	No	No	No	OS	No
180															
181	Sources Shutdown or No Longer Burning Hazardous Wastes														
182															
183	354	354C1	DOW CHEMICAL CO.	MIDLAND	Incinerator	Onsite incinerator	Rotary kiln	QC/AS/VS/DM/IWS	Liq, sludge, solid	No	No	No	No	OS	No
184	354	354C5	DOW CHEMICAL CO.	MIDLAND	Incinerator	Onsite incinerator	Rotary kiln	QC/AS/VS/DM/IWS	Liq, sludge, solid	No	No	No	No	OS	No
185	3024	3024C1	Dow Chemical Company	La Porte	Incinerator	Onsite incinerator	Liquid injector	Q/WSC/CSC	Liq	Yes	No	No	No	OS	No
186	3032	3032C3	McAlester Army Ammunition Pla	McAlester	Incinerator	Onsite Incinerator, I	Rotary kiln	AB/GC/C/FF	Solid	No	Yes	No	No	OS	Yes
187	3022	3022C1	Safety Kleen (BDT), Inc.	Clarence	Incinerator	Commerical inciner	Fixed hearth	Q/VS/FF	Solid	No	No	No	No	Comm	No
188	3009	3009C2	Waste Research and Reclamati	Eau Claire	Incinerator	Commercial inciner	Controlled air	WHB/VS	Liq	No	No	No	No	Comm	No
189	3009	3009C3	Waste Research and Reclamati	Eau Claire	Incinerator	Commercial inciner	Controlled air	WHB/VS	Liq	No	No	No	No	Comm	No
190	3009	3009C4	Waste Research and Reclamati	Eau Claire	Incinerator	Commercial inciner	Controlled air	WHB/VS	Liq	No	No	No	No	Comm	No
191	3009	3009C5	Waste Research and Reclamati	Eau Claire	Incinerator	Commercial inciner	Controlled air	WHB/VS	Liq	No	No	No	No	Comm	No
192	3009	3009C6	Waste Research and Reclamati	Eau Claire	Incinerator	Commercial inciner	Controlled air	WHB/VS	Liq	No	No	No	No	Comm	No

Data Summary: Incinerators, Semi Volatile Metals

	2	20	21	22	23	25	26	30	31	32	
2	Cond ID	Condition Information			Spiking		Tier		SVM Emissions		
3	Number	Cond	Cond Description	Pb	Cd	Pb	Cd	Campaign	Rating	Rating Comments	
4		Dates						Number			
5											
174	3020C2	2/1/1992	Trial burn, maximum heat duty, reduced ash and chlorine feed	N	N	1	1	1	N		
175	3021C3	4/1/1996	Trial burn, max temp, solid and liquid waste	Y	Y	3	3	1	CT		
176	3021C4	4/1/1996	Trial burn, max temp, liquid waste only	Y	Y	3	3	1	IB		
177	3027C2	9/1/1998	Trial burn, high temp	UL	UL	1	1	1	N		
178	3028C3	1/1/1999	Risk burn (Slightly higher than annual median waste feedrate)	N	N	1	1	1	N		
179	3028C3	1/1/1999	Risk burn (Slightly higher than annual median waste feedrate)	N	N	1	1	1	NA	Data in lieu	
180											
181	outdown or N										
182											
183	354C1	12/1/1991	Trial burn, NORMAL KILN TEMP, HIGH CL AND METAL FEED, metals results c	Y	Y	3	3	1	NA	QA/QC problems	
184	354C5	8/1/1992	Trial burn, METALS RE-TEST; HIGH CHLORINE	Y	Y	3	3	1	IB	Feedrate extrapolation used to set limit	
185	3024C1	7/1/1999	Trial burn, max feedrate and max comb temp	N	N	1	1	1	N		
186	3032C3	2/1/1997	M43A1/M1911 Mixed munitions, metal powder	Y		3		1	IB	Assumed mixed CT and N emissions	
187	3022C1	12/1/2000	Max load, normal operations	U	U	3	3	1	CT	Max feedrates	
188	3009C2	7/1/1986	Trial burn	U	L	U		3	1	NA	NE - failed PM test, negative SVM SRE?, no Cd emiss
189	3009C3	7/1/1986	Trial burn	U	L	U		3	1	NA	NE - failed PM test, negative SVM SRE?, no Cd emiss
190	3009C4	7/1/1986	Trial burn	U	L	U		3	1	NA	NE - failed PM test, no Cd emission data
191	3009C5	7/1/1986	Diagnostic test	U	L	U		3	1	NA	Diagnostic testing
192	3009C6	2/1/1987	Performance test	U	L	U		3	1	NA	NE - no Cd emission data, negative SVM SRE?

Data Summary: Incinerators, Semi Volatile Metals

2	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	57	58	61	62	63	
2	Cond ID	SVM Stack Emissions (ug/dscm), (ND in % of Total)																			SVM SRE			
3	Number	R1	R2	R3	R4	R5	R6	R7	R8	R9	Cond Avg	Campaign	Rating	Comment										
4		ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	Number		
5																								
174	3020C2		2.5		6.2		3.5														4.1	1	NA	Normal
175	3021C3		2,559.0		2,669.2		2,989.6														2,739.3	1	CT	
176	3021C4		2,402.0		2,779.2		2,500.8														2,560.7	1	IB	
177	3027C2		1.3		0.9		1.0														1.1			
178	3028C3	100	5.2	100	6.0	100	5.7													100	5.7	1	NA	Normal
179	3028C3	100	5.2	100	6.0	100	5.7													100	5.7	1	NA	Data in lieu
180																								
181	outdown or N																							
182																								
183	354C1	11	3.1	100	2.4	100	2.4	14	2												2.5	1	NA	QA/QC problems
184	354C5		223.6		168.3		189.1		151												182.9			
185	3024C1	0	6.9	0	7.2	6.6	4.0														6.0	1	NA	Normal
186	3032C3		1,600.0		837.2		2,867.2														1,768.2			
187	3022C1		10.3		10.4		23.4														14.7	1	CT	
188	3009C2	ion d	56,606.8		53,031.6		60,732.0														56,790.1			
189	3009C3	ion d	33,826.6		63,802.9		72,442.9														56,690.8			
190	3009C4		86,156.0		86,434.6		104,412.7														92,334.4			
191	3009C5		25,799.4		32,322.2		33,247.4														30,456.3			
192	3009C6		57,276.0		51,977.4		55,823.0														55,025.4			

Data Summary: Incinerators, Semi Volatile Metals

2	64	65	66	67	68	69	70	71	72	73	74	75	82	83	86	87	88	89	90	91	92	93	94	95	96	97	104	105
2	Cond ID	SVM SRE (%)												SVM SRE Used for Evaluation Purposes (%)														
3	Number	R1	R2	R3	R4	R5	R6	Cond Avg	R1	R2	R3	R4	R5	R6	Cond Avg													
4																												
5																												
174	3020C2	99.886	99.866	99.870				99.872	99.886	99.866	99.870																	99.872
175	3021C3	93.680	94.552	93.440				93.868	93.680	94.552	93.440																	93.868
176	3021C4	95.800	95.565	95.181				95.505	95.800	95.565	95.181																	95.505
177	3027C2																											
178	3028C3		>	99.565				>	98.714		>	99.565														>	98.714	
179	3028C3		>	99.565				>	98.714		>	99.565														>	98.714	
180																												
181	shutdown or N																											
182																												
183	354C1	99.987	99.991	99.990	99.992			99.990	99.987	99.991	99.990	99.992																99.990
184	354C5																											
185	3024C1	0.645	2.043	7.340				3.247	0.645	2.043	7.340																	3.247
186	3032C3																											
187	3022C1							99.927																				99.927
188	3009C2																											
189	3009C3																											
190	3009C4																											
191	3009C5																											
192	3009C6																											

Data Summary: Incinerators, Semi Volatile Metals

	2	108	109	110	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	138	139		
2	Cond ID	SVM Feedrate (ug/dscm)				SVM Total Feedrate (ug/dscm), (ND in % of total)																									
3	Number	HW	Spike	RM	Total	ND	R1	ND	R2	ND	R3	ND	R4	ND	R5	ND	R6	ND	R7	ND	R8	ND	R9	ND	R10	ND	R11	ND	Cond Avg		
4																															
5																															
174	3020C2	3,191			3,191		2,239		4,601		2,732																		3,191		
175	3021C3				44,671		40,493		48,996		45,575																		44,671		
176	3021C4				56,970		57,193		62,662		51,890																		56,970		
177	3027C2	21			21	100	22	100	20	100	21																	100	21		
178	3028C3	874			874	100	596	100	650	4	1,377																	50	874		
179	3028C3	874			874	100	596	100	650	4	1,377																	50	874		
180																															
181	shutdown or N																														
182																															
183	354C1	25,949			25,949		23,477		27,574		24,226		28,520																25,949		
184	354C5																														
185	3024C1	6			6		7		7		4																		6		
186	3032C3																														
187	3022C1				20,097																								20,097		
188	3009C2	27,285			27,285																								27,285		
189	3009C3	50,189			50,189																								50,189		
190	3009C4	149,330			149,330																								149,330		
191	3009C5	109,777			109,777																								109,777		
192	3009C6	48,474			48,474																								48,474		

Data Summary: Incinerators, Semi Volatile Metals

	2	140	141	142	143	144	145	164	165
2	Cond ID	SVM Feedrate Hazardous Wastes and Spike (ug/dscm)							
3	Number	R1	R2	R3	Cond Avg				
4		ND	ND	ND	ND	ND	ND	ND	ND
5									
174	3020C2		2,239		4,601		2,732		3,191
175	3021C3		40,493		48,996		45,575		45,021
176	3021C4		57,193		62,662		51,890		57,248
177	3027C2	100	22	100	20	100	21	100	21
178	3028C3	100	596	100	650	4	1,377	68	874
179	3028C3	100	596	100	650	4	1,377		874
180									
181	shutdown or N								
182									
183	354C1		23,477		27,574		24,226		25,092
184	354C5								
185	3024C1		7		7		4		6
186	3032C3								
187	3022C1								
188	3009C2								
189	3009C3								
190	3009C4								
191	3009C5								
192	3009C6								