

ANALYTICAL DATA SHEET

ANALYTICAL DEPT. - HEALTH AND SAFETY DIVISION

Industrial Hygiene or Medical Dept.						Analytical Chemistry Section:			
1956						Date Received <u>7-12-56</u> by <u>Lab</u>			
I. H. # <u>1013</u> Sample Nos. <u>4</u> Date Collected <u>7/10</u> by <u>CES</u> Route to <u>CES</u>						Date Reported <u>7-16-56</u> by <u>MW</u>			
Location <u>TITANIUM ALLOY METALS</u> Type of Sample <u>air dust</u> Analyzed for <u>F</u> Alpha <u>xx</u>						Method of Analysis <u>Alpha automatic</u> , alpha			
Remarks <u>NIAGARA FALLS, N.Y.</u> U Beta						<u>counter 1</u> by <u>CJM</u>			
<u>Uranium Chemistry Lab</u> No ₃ Ra						Counting Data:			
						BKGD <u>.13 c/min</u> GEO <u>40%</u>			
						Oil pH			
						Be Th			

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	C/min	d/m/M ³
7380	1523	GA In front of reactor section of lab hood during heating of condenser.	.02	30	.6	1	14.18	n.d.	n.d.
7381		GA In front of condenser section of lab hood during above period.	.02	30	.6	1	13.14	n.d.	n.d.
7382		GA Same location as 7380, during blowing and precipitating of UF ₆ with NaOH.	.02	10	.2	1	14.50	n.d.	n.d.
7383		GA Simultaneous with 7382; same location as 7381.	.02	10	.2	0	15.73	n.d.	n.d.

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1956 Industrial Hygiene or Medical Dept.					Analytical Chemistry Section:								
I. H. #	1012	Sample Nos.	4	Date Collected	7/10	by	CBS	Route to	CBS	Date Received	7-12-56	by	Lab
Location	TITANIUM ALLOY METALS			Type of Sample	air dust	Analyzed for	F	Alpha x		Date Reported	7-23-56	by	MW
Remarks	NIAGARA FALLS, N.Y.					U	Beta			Method of Analysis	AA#1		
	Uranium Chemistry Lab (approx. 5 x 9')					No ₃	Ra					by	CJM
	Lab hood sections 32-1/2 x 37-1/2"					Oil	pH			Counting Data:			
						Be	Th			BKGD	.13 c/min	GEO	40%

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	C/min	d/m/M ⁵
7376	1430	GA In front of reactor section of lab hood during apparatus warm-up period.	.02	15	.3	6	13.92	0.30	4
		Approx. 3 grams of UF ₄ in furnace.							
7377	1430	GA In front of condenser & scrubber section of hood during same period as above.	.02	15	.3	1	12.75	n.d.	n.d.
7378		GA Same location as 7376, during fluorination of UF ₄ sample (20 min.)	.02	20	.4	2	13.97	n.d.	n.d.
7379		GA Same location as 7377, during fluorination of UF ₄ sample.	.02	20	.4	4	15.62	0.13	1

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