

PADEP Frac and Flowback Water Analytical Data - Radioisotopes

RAD 36		20		19		18		17		16		15		14		13		12		11		10		9		8		7		6		5		4		3		2	
Count																																							
Lab. Sample No. (Soil)													R2009001568	R2009001518															R2009001212						R2009001153				
Lab. Sample No. (Water)	R2009001841	R2009001839	R2009001840	R2009001677	R2009001613	R2009001569							R2009001504	R2009001505	R2009001468	R2009001394	R2009001332	R2009001271	R009001255	R2009001213	R2009001195	R2009001152	R2009001125																
Collector No.	9522102	9510102	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	9522101	
County	Susquehanna	Susquehanna	Clinton	Tioga	Tioga	Indiana	Westmoreland	Susquehanna	Susquehanna	Clinton	Fayette	Fayette	Tioga	Fayette	Clearfield	Green	Clearfield	Tioga	Somerset																				
Well Name	J. Grimsley 1	J. Grimsley 2H	COP Tract 285 2H	Bowers 408 1H	White 262 H	J. Co. Airport 839	lehouse Unit #7	Hubbard 5H	Hubbard 6H	PP Tract 653 100	W. Smith #1	Bezjak #26	Courtney H 255	LEE #11	Hutton #1H	Consol #66	Hutton #1H	Benson 130D	Yoder #1																				
Type of Sample	Frac Flow Back	Frac Flow Back	Frac Flow Back	Frac Flow Back	Frac Flow Back	Frac Flow Back	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank	Flow Back Tank		
Per. it No.	115-20095	115-20171	035-21155	117-20325	117-20295	063-36435	129-27856	115-20148	115-20147	035-21162	051-24098	051-2409	117-20293	051-24206	033-26803	059-25137	033-26803	117-20205	111-20268																				
Date	11/19/2009	11/19/2009	11/18/2009	10/16/2009	10/1/2009	9/25/2009	9/14/2009	9/9/2009	9/9/2009	9/2/2009	8/19/2009	8/5/2009	7/23/2009	7/22/2009	7/14/2009	7/8/2009	7/1/2009	6/24/2009	5/29/2009																				
Collector	Fuller	Tersine	Fuller	Fuller	Fuller	Fuller/Tersine	Tersine	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller	Fuller		
Sample Media	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	
Discription	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	
RA 228	-	54	-	30	-	115	-	224	-	220		304	-		-	48	-	22	-	710	-	60	-	10	-	1,360	-	0		0	-	0		0	-	4		69	
											1,090	1020																											
RA 226	-	617	-	262	-	1310	-	1,490	-	1510		605	-	697	-	478	-	5,830	-	348	-	63	-	9,280	-	78	159	-	352		77	-	29				40		
											3,020	5490																											
Uranium 238	-	0	-	0	-	0	-	0	-	0		0	-	0	-	0	-	0	-	0	-	93	-	0	-	0	0	-	497		101	-	38				0		
											954	1900																											
PB 214	-	173	-	37	-	379	-	410	-	456		174	-	176	-	146	-	2,050	-	0	-	0	-	2,200	-	0	0	-	0		0	-	0				146		
											1,420	2750																											
Uranium 235	-	0	-	0	-	0	-	0	-	0		0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	0	-	20		0	-	0				0		
											0	192																											
PB 212	-	57	-	31	-	120	-	236	-	231		319	-	50	-	23	-	748	-	63	-	11	-	1,430	-	5	0	-	4		0	-	5				74		
											1,140	1080																											
Actinium 228	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

PADEP Frac and Flowback Water Analytical Data - Radioisotopes

RAD 36																				
Count	1																			
Lab. Sample No. (Soil)																				
Lab. Sample No. (Water)	R2008001735																			
Collector No.																				
County	Armstrong	Washington	Washington	Clinton	Susquehanna	Susquehanna	Lycoming	Lycoming	Lycoming											
Well Name	Hileman	Bednarski	Godwin #1H	OP Tract 653 100	Lewis #1	Black 1-H	McGuire	Sprot 1	Sprot 2											
Type of Sample	Pit	Pit	Pit	Pit	Pit	Pit	Pit	Pit	Pit											
Per, it No.					035-21108		115-20035		115-20048											
Date	10/23/2008		9/17/2008		9/17/2008		8/27/2008		7/25//2008		7/25//2008		7/25//2008		7/25//2008		7/25//2008		7/25//2008	
Collector	Tersine		Tersine		Tersine		Tersine		Tersine		Tersine		Tersine		Tersine		Tersine		Tersine	
Sample Media	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water	Soil	Water
Discription	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L	PCI/KG	PCI/L
RA 228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RA 226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uranium 238	-	-	-	-	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PB 214	1,140	-	5,610	-	-	-	881	-	1850	-	683	-	623	-	1810	-	667	-	-	-
Uranium 235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PB 212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Actinium 228	-	-	-	-	0	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	478	-	801	-	-	-	1,080	-	809	-	1130	-	1170	-	925	-	1070	-	-	-