

**Analytical Results from the First Measurable  
Storm Event Following Installation of Control  
Measures at LA-SMA-5.91**

**November 19, 2013**

**NPDES PERMIT NO. NM0030759**

**LA-UR-13-28734**



**LOS ALAMOS NATIONAL LABORATORY  
ANALYTICAL RESULTS FROM THE FIRST MEASURABLE STORM EVENT**

PF: L019

LA-SMA-5.91

Sites: 21-009

21-021

21-023(c)

21-027(d)

Table 1 presents the analytical results received from the confirmation monitoring samples collected from the first measurable storm event following the installation of enhanced controls at site monitoring area (SMA) LA-SMA-5.91. The descriptions and photographs of each enhanced control installed at LA-SMA-5.91 were provided to the U.S. Environmental Protection Agency on July 9, 2013 (EP2013-0137/LA-UR-13-22180). Table 2 presents each applicable target action level (TAL) for the analytes monitored.

**Table 1**

**Radiochemical Analytical Results from the First Measurable Storm Event  
Collected on September 13, 2013, Following Installation of Enhanced Controls, SMA LA-SMA-5.91**

Sample ID	Analyte	Field Prep	Detect Status	Result (pCi/L)	TAL Exceedance Ratio <sup>a</sup>	Minimum Detectable Activity (pCi/L)	Uncertainty (pCi/L)	Qualifier <sup>b</sup>	Data Receipt Date
WT_IPC-13-40974	Gross alpha	Unfiltered	Detect	15.7	1.047	4.96	1.87	NQ	10/28/13

<sup>a</sup> Qualifier: NQ = Result is not qualified.

<sup>b</sup> Preliminary average TAL (ATAL) exceedance ratio from first of two possible samples.

**Table 2  
Applicable TALs**

Analyte	Units	CAS No.	MQL	ATAL	MTAL
Gross alpha	pCi/L	n/a*	n/a	15	n/a

Notes: CAS = Chemical Abstracts Service; MQL = minimum quantification level; MTAL = maximum TAL.

\*n/a = Value is not applicable.