

**Analytical Results from the First Measurable  
Storm Event Following Installation of Control  
Measures at CDV-SMA-2.41**

**September 5, 2014**

**NPDES PERMIT NO. NM0030759**

**LA-UR-14-26797**



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

**PF: V008**

**CDV-SMA-2.41**

**Site: 16-018**

Tables 1 and 2 present 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) CDV-SMA-2.41. The descriptions and photographs of each enhanced control installed at CDV-SMA-2.41 were provided to the U.S. Environmental Protection Agency on July 11, 2014 (EP2014-0303/LA-UR-14-23980). Table 3 presents each applicable target action level (TAL) for the analytes monitored.

**Table 1  
Radiochemical Analytical Results from the First Measurable Storm Event  
Collected on July 8, 2014, Following Installation of Enhanced Controls, SMA CDV-SMA-2.41**

Sample ID	Analyte	Field Prep	Detect Status	Result (pCi/L)	TAL Exceedance Ratio	Minimum Detectable Activity (pCi/L)	Uncertainty (pCi/L)	Qualifier*	Data Receipt Date
WT_IPC-14-81180	Gross alpha	Unfiltered	Detect	94.2	6.280	6.02	4.4	NQ	18-Aug-14

Note: TAL exceedance ratio is a preliminary average from the first of at least two confirmation samples.

\*Qualifier: NQ = Result is not qualified.

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Table 2

**Metals and Organic Analytical Results from the First Measurable Storm Event  
Collected on July 8, 2014, Following Installation of Enhanced Controls, SMA CDV-SMA-2.41**

Sample ID	Analyte	Field Prep	Detect Status	Result (µg/L)	TAL Exceedance Ratio	Method Detection Limit	Quantitation Limit	Qualifier <sup>a</sup>	Data Receipt Date
WT_IPC-14-81180	Total Polychlorinated biphenyl (PCB)	Unfiltered	Detect	0.0253	39.531	n/a <sup>b</sup>	n/a	NQ	11-Aug-14

Note: TAL exceedance ratio is a preliminary average from the first of at least two confirmation samples.

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

<sup>b</sup> n/a = Value is not applicable.

**Table 3  
Applicable TALs**

Analyte	Units	CAS No.	MQL	ATAL	MTAL
Total PCB	µg/L	1336-36-3	n/a*	0.00064	n/a
Gross alpha	pCi/L	n/a	n/a	15	n/a

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

\* n/a = Value is not applicable.