

Monitoring Year 2021 Sample Results

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ENVIRONMENTAL MANAGEMENT

SAFETY & PERFORMANCE & CLEANUP & CLOSURE



ABBLos Alamos



• Precipitation Summary

- Sample Summary
- 2021 Storm Events
- Analytical Results
- Exceedance Summary

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• Screening Decision/Site Status





Outline



Acronyms

- 2M Twomile Canyon
- 3M Threemile Canyon
- A Ancho Canyon
- Acid Acid Canyon
- AOC Area of Concern
- ATAL Average Target Action Level
- B Bayo Canyon
- BV Background Value (for soil)
- CDB Cañada del Buey
- CDV Cañon de Valle
- CHQ Chaqehui Canyon
- DP DP Canyon

EM-LA

- IP Individual Permit
- LA Los Alamos Canyon
- M Mortandad Canyon
- MTAL Maximum Target Action Level

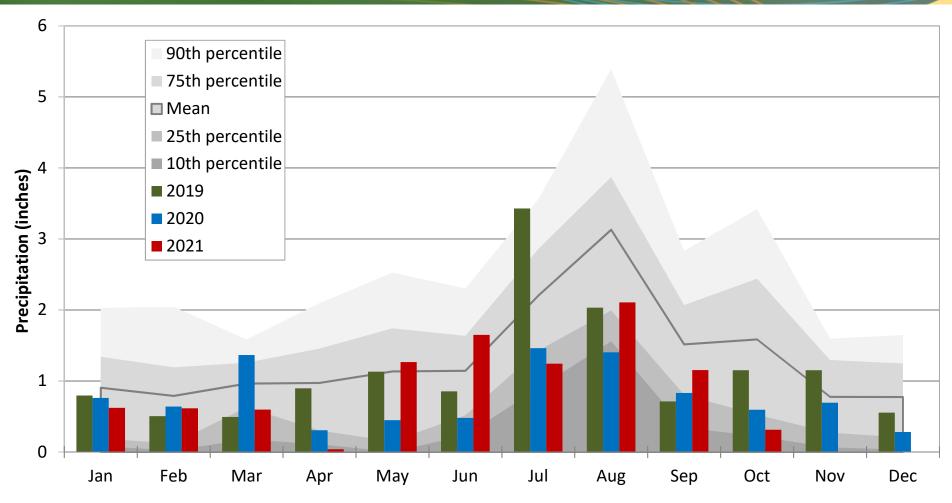
- NPDES National Pollutant Discharge Elimination Systems
- P Pueblo Canyon
- PJ Pajarito Canyon
- PT Potrillo Canyon
- R Rendija Canyon
- S Sandia Canyon
- SDPPP Site Discharge Pollution Prevention Plan
- SMA Site Monitoring Area
- STRM Starmers Gulch
- SWMU Solid Waste Management Unit
- T Ten Site Canyon
- TAL Target Action Level
- W Water Canyon





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Meteorological Tower Precipitation 2019 to 2021



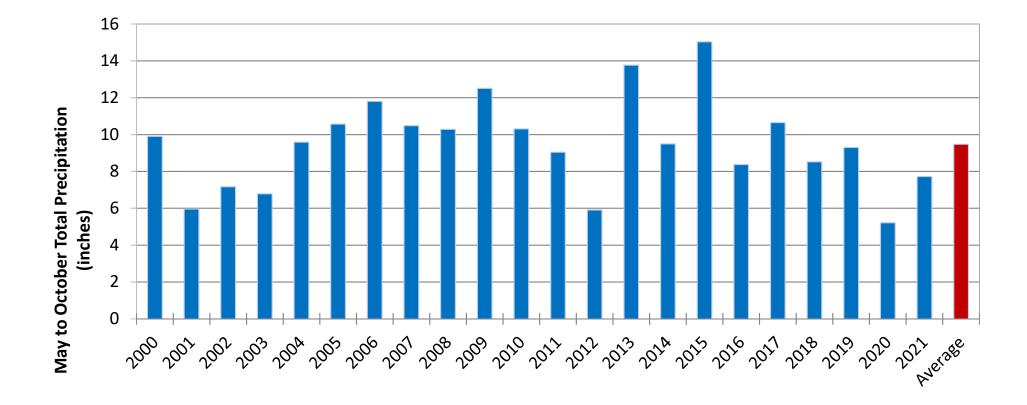
Note: Mean and percentiles for precipitation data are calculated using data from 1992 to 2010







2021 May to October Precipitation Comparison (2000 to 2020)









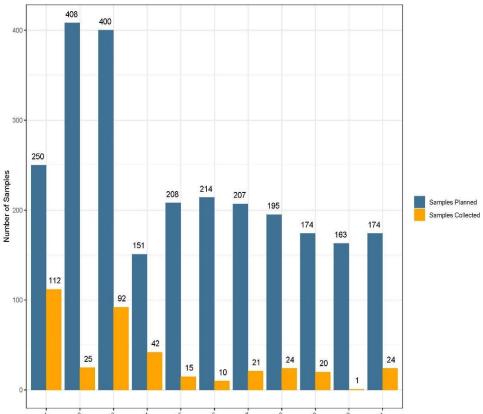
2021 Sample Summary

- Total samples: 24
- Locations sampled: 21
 - 1st sample at location: 0
 - 2nd sample in baseline monitoring:
 - Corrective Action Sample One: 14
 - Corrective Action Sample Two: 6
 - No Exposure Investigative Sample: 2[₺]
- Locations with two samples: 3
 - CHQ-SMA-6, CHQ-SMA-1.02, PJ-SMA-11
- Locations with no exceedances: 1

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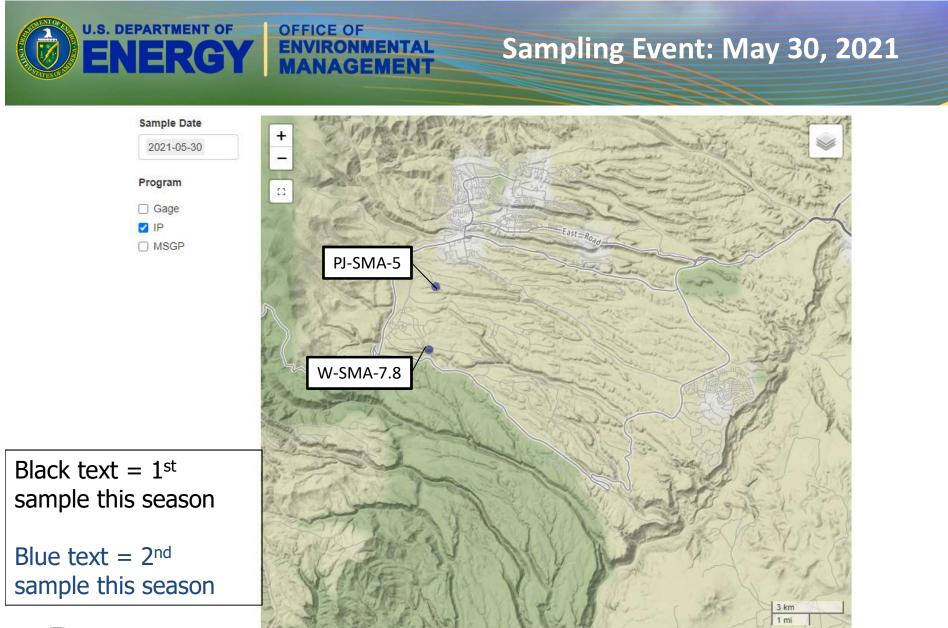
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• CDV-SMA-9.05















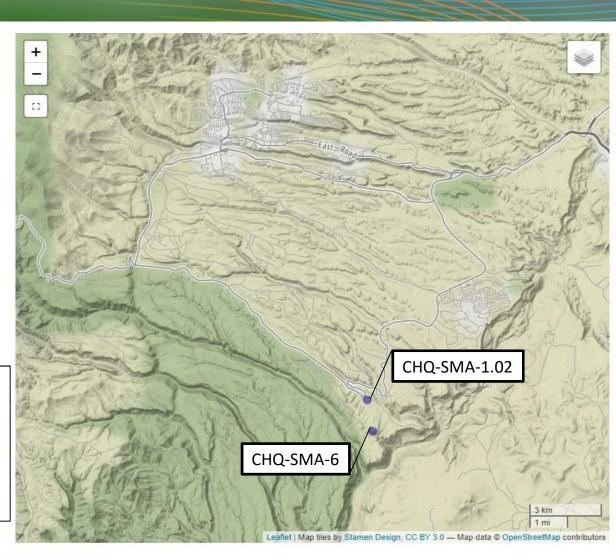
Sampling Event: May 31, 2021

Sample Date 2021-05-31 Program

□ Gage ☑ IP □ MSGP

Black text = 1^{st} sample this season

Blue text = 2^{nd} sample this season

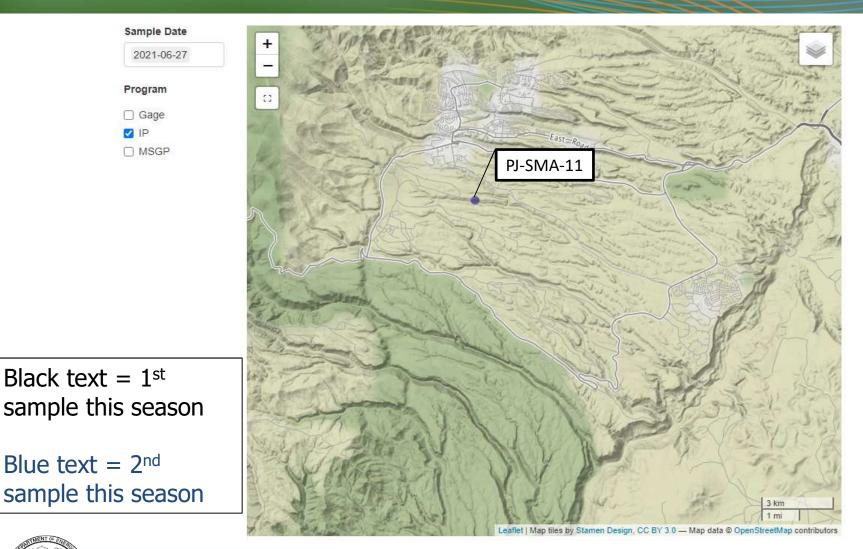








Sampling Event: June 27, 2021







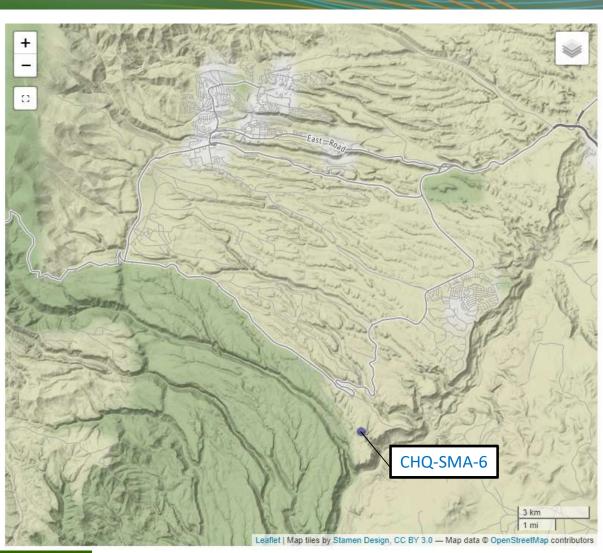


Sampling Event: July 25, 2021



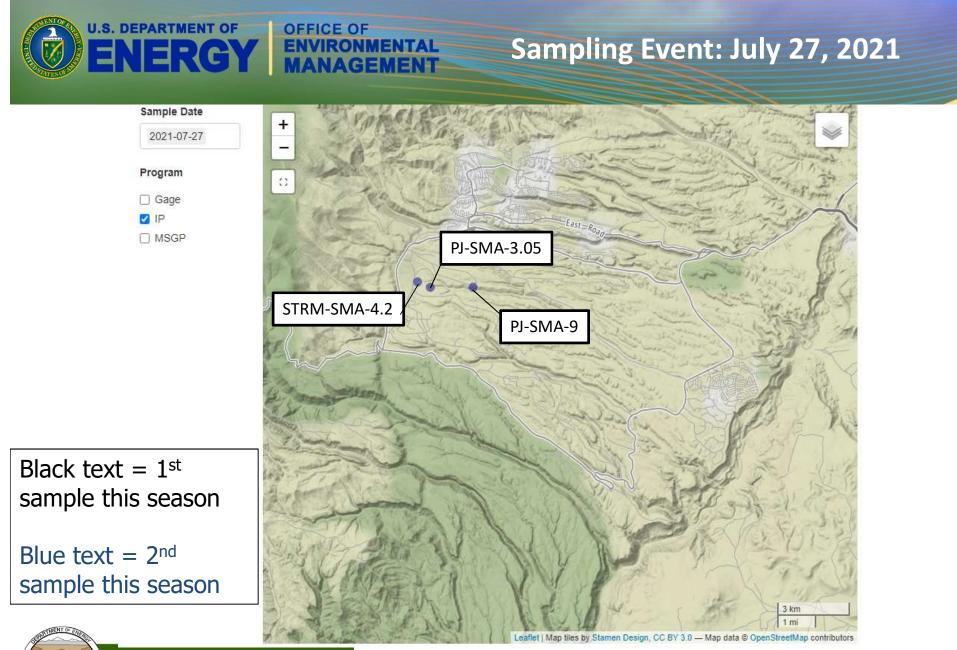
Black text = 1^{st} sample this season

Blue text = 2^{nd} sample this season



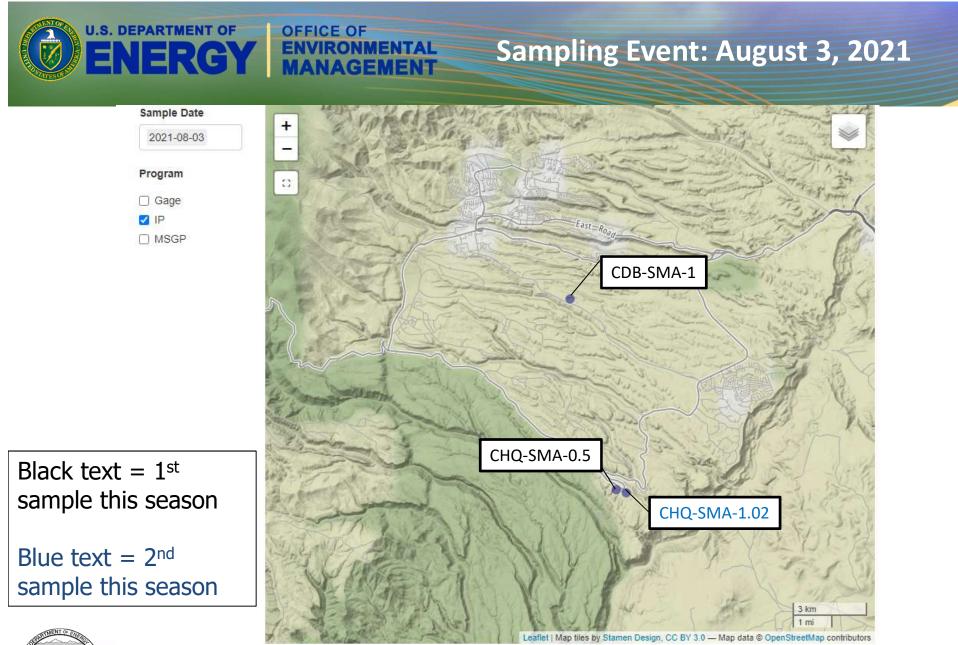






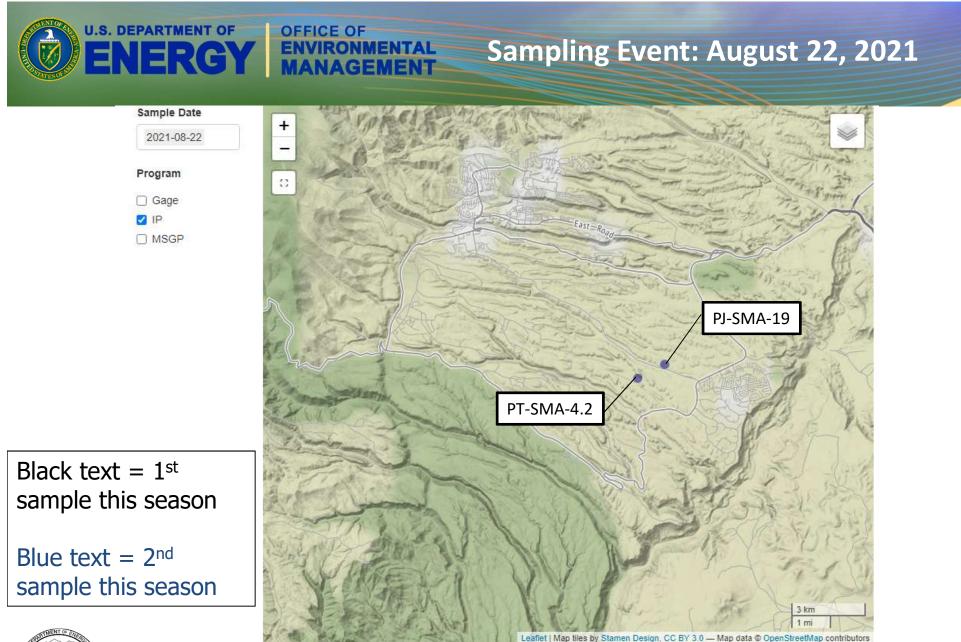






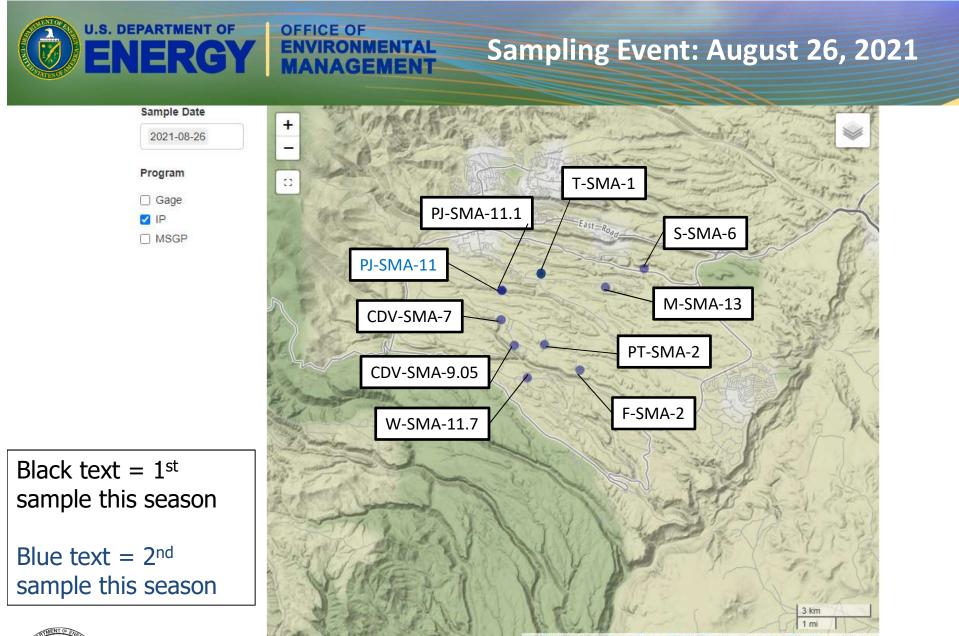












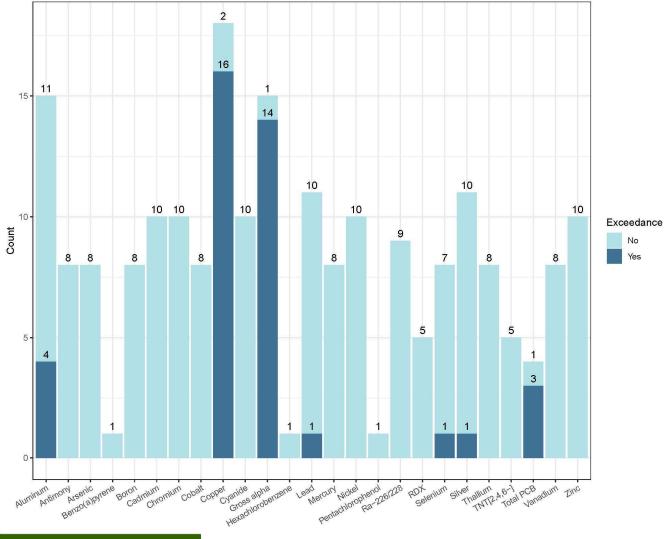
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2021 Summary of Results

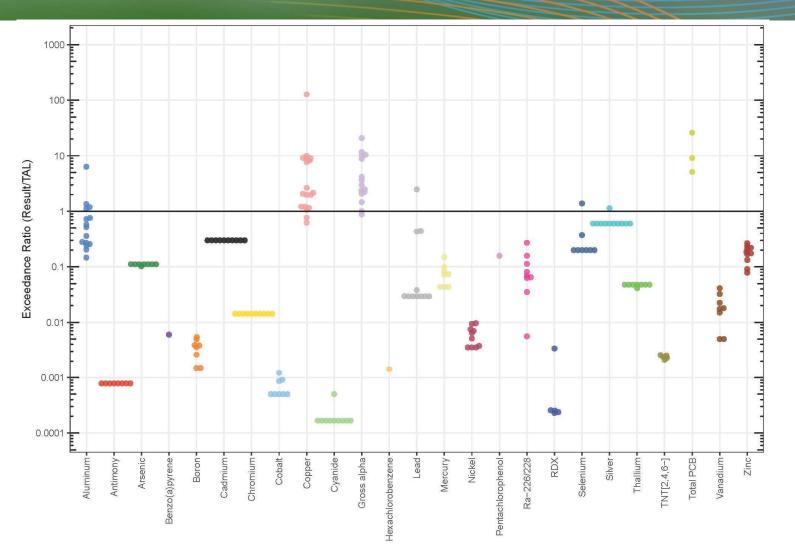


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2021 Analytical Results



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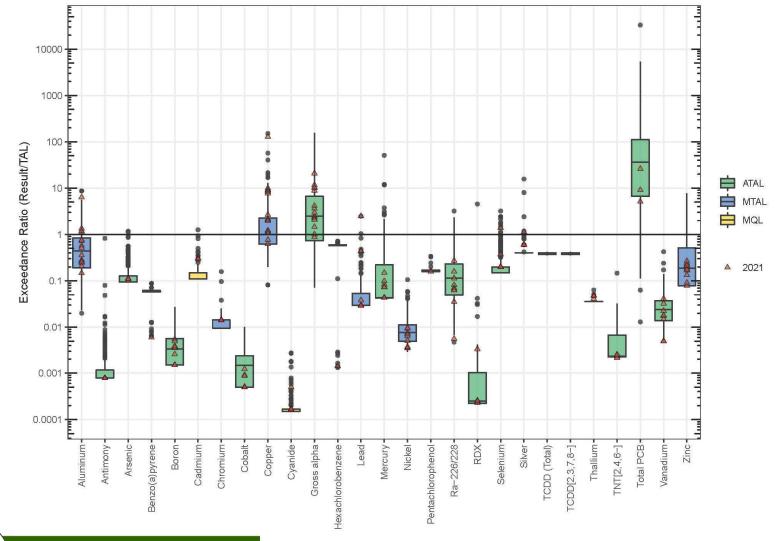
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2021 Results Compared to all IP OFFICE OF ENVIRONMENTAL NERGY Results M NAGEMENT



2021 Exceedances by SMA

	Parameter							
Location	Copper	Gross alpha	PCBs	Aluminum	Lead	Selenium	Silver	Site Action
PJ-SMA-5	Х							Collect Second Sample
W-SMA-7.8		х						Alternative Compliance Request
CHQ-SMA-6	Х	х						Alternatives Analysis
CHQ-SMA-1.02	Х	Х	Х					Alternatives Analysis
PJ-SMA-11	Х	Х						Alternatives Analysis
STRM-SMA-4.2	Х						Х	Collect Second Sample
PJ-SMA-9	Х							Collect Second Sample
PJ-SMA-3.05	Х							Alternatives Analysis
CHQ-SMA-0.5		х	Х					Collect Second Sample
CDB-SMA-1	Х	х	Х	Х				Collect Second Sample
PJ-SMA-19		Х	Х					Investigative Sample for No Exposure Certification
PT-SMA-4.2		Х						Alternative Compliance Request
W-SMA-11.7		Х		Х				Alternatives Analysis
M-SMA-13	х	x		x				Certify Completion of Corrective Action Due to Receipt of a COC
F-SMA-2	x	X		X				Collect Second Sample
T-SMA-1	X	X	х	X		х		Investigative Sample for No Exposure Certification
CDV-SMA-9.05								Collect Second Sample
PJ-SMA-11.1	х	х						Collect Second Sample
PT-SMA-2	х	х						Collect Second Sample
S-SMA-6	х	х			х			Collect Second Sample
CDV-SMA-7		х						Collect Second Sample







Questions?



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