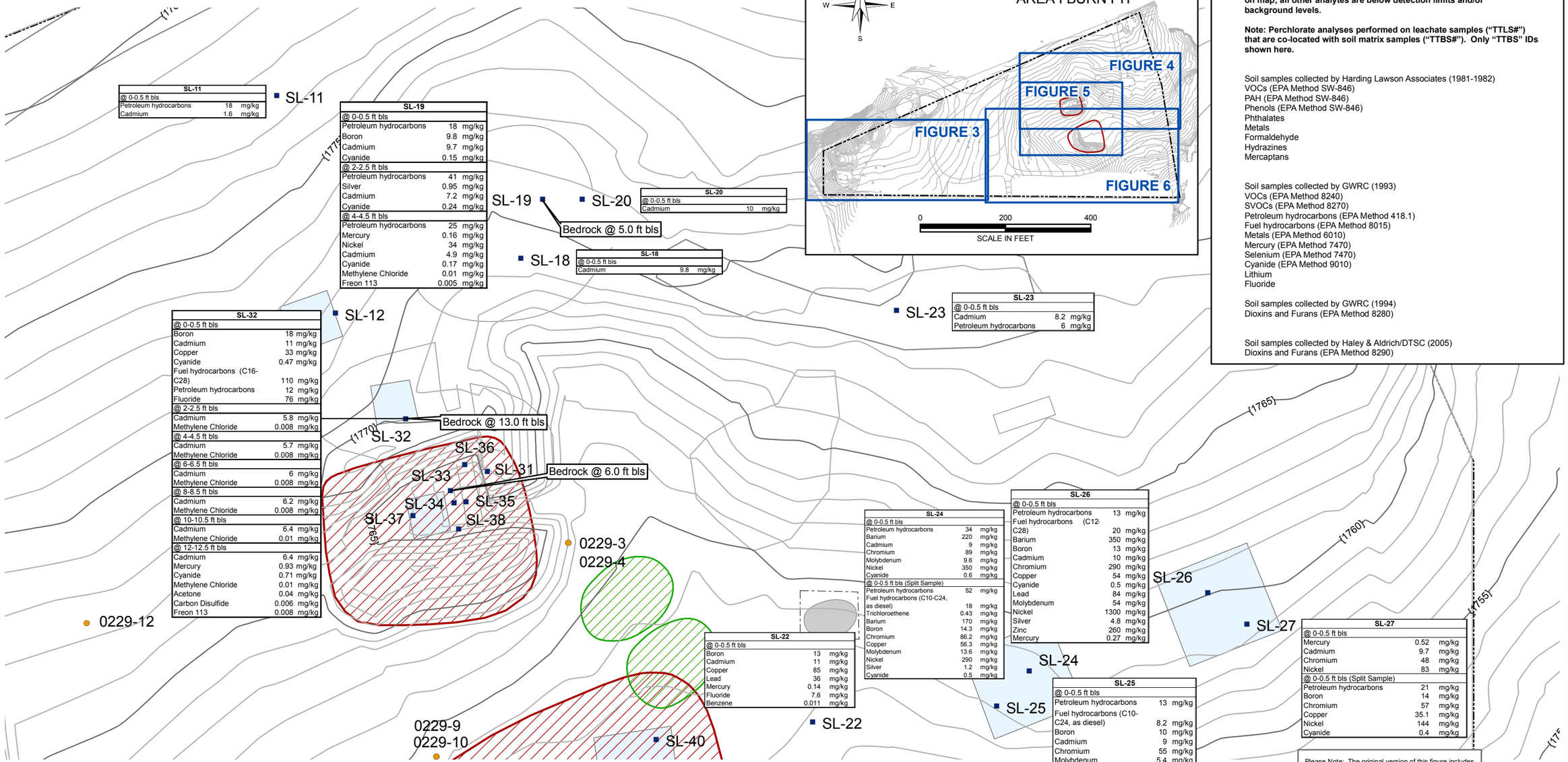

Analyses Performed

Note: Only detected analytes above background are shown on map; all other analytes are below detection limits and/or background levels.

Note: Perchlorate analyses performed on leachate samples ("TTLS#") that are co-located with soil matrix samples ("TTBS#"). Only "TTBS" IDs shown here.

Soil samples collected by Harding Lawson Associates (1981-1982)
VOCs (EPA Method SW-846)
PAH (EPA Method SW-846)
Phenols (EPA Method SW-846)
Phthalates
Metals
Formaldehyde
Hydrazines
Mercaptans

Soil samples collected by GWRC (1993)
VOCs (EPA Method 8240)
SVOCs (EPA Method 8270)
Petroleum hydrocarbons (EPA Method 418.1)
Fuel hydrocarbons (EPA Method 8015)
Metals (EPA Method 6010)
Mercury (EPA Method 7470)
Selenium (EPA Method 7470)
Cyanide (EPA Method 9010)
Lithium
Fluoride

Soil samples collected by GWRC (1994)
Dioxins and Furans (EPA Method 8280)

Soil samples collected by Haley & Aldrich/DTSC (2005)
Dioxins and Furans (EPA Method 8290)

SL-11

@ 0-0.5 ft bls		
Petroleum hydrocarbons	18	mg/kg
Cadmium	1.6	mg/kg

SL-19

@ 0-0.5 ft bls		
Petroleum hydrocarbons	18	mg/kg
Boron	9.8	mg/kg
Cadmium	9.7	mg/kg
Cyanide	0.15	mg/kg
@ 2-2.5 ft bls		
Petroleum hydrocarbons	41	mg/kg
Silver	0.95	mg/kg
Cadmium	7.2	mg/kg
Cyanide	0.24	mg/kg
@ 4-4.5 ft bls		
Petroleum hydrocarbons	25	mg/kg
Mercury	0.16	mg/kg
Nickel	34	mg/kg
Cadmium	4.9	mg/kg
Cyanide	0.17	mg/kg
Methylene Chloride	0.01	mg/kg
Freon 113	0.005	mg/kg

SL-20

@ 0-0.5 ft bls		
Cadmium	10	mg/kg

SL-18

@ 0-0.5 ft bls		
Cadmium	9.8	mg/kg

SL-23

@ 0-0.5 ft bls		
Cadmium	8.2	mg/kg
Petroleum hydrocarbons	6	mg/kg

SL-32

@ 0-0.5 ft bls		
Boron	18	mg/kg
Cadmium	11	mg/kg
Copper	33	mg/kg
Cyanide	0.47	mg/kg
Fuel hydrocarbons (C16-C28)	110	mg/kg
Petroleum hydrocarbons	12	mg/kg
Fluoride	76	mg/kg
@ 2-2.5 ft bls		
Cadmium	5.8	mg/kg
Methylene Chloride	0.008	mg/kg
@ 4-4.5 ft bls		
Cadmium	5.7	mg/kg
Methylene Chloride	0.008	mg/kg
@ 6-6.5 ft bls		
Cadmium	6	mg/kg
Methylene Chloride	0.008	mg/kg
@ 8-8.5 ft bls		
Cadmium	6.2	mg/kg
Methylene Chloride	0.008	mg/kg
@ 10-10.5 ft bls		
Cadmium	6.4	mg/kg
Methylene Chloride	0.01	mg/kg
@ 12-12.5 ft bls		
Cadmium	6.4	mg/kg
Mercury	0.93	mg/kg
Cyanide	0.71	mg/kg
Methylene Chloride	0.01	mg/kg
Acetone	0.04	mg/kg
Carbon Disulfide	0.006	mg/kg
Freon 113	0.008	mg/kg

SL-24

@ 0-0.5 ft bls		
Petroleum hydrocarbons	34	mg/kg
Barium	220	mg/kg
Cadmium	9	mg/kg
Chromium	89	mg/kg
Molybdenum	9.6	mg/kg
Nickel	350	mg/kg
Cyanide	0.6	mg/kg
@ 0-0.5 ft bls (Split Sample)		
Petroleum hydrocarbons	52	mg/kg
Fuel hydrocarbons (C10-C24, as diesel)	18	mg/kg
Trichloroethene	0.43	mg/kg
Barium	170	mg/kg
Boron	14.3	mg/kg
Chromium	86.2	mg/kg
Copper	56.3	mg/kg
Molybdenum	13.6	mg/kg
Nickel	290	mg/kg
Silver	1.2	mg/kg
Cyanide	0.5	mg/kg

SL-26

@ 0-0.5 ft bls		
Petroleum hydrocarbons	13	mg/kg
Fuel hydrocarbons (C12-C28)	20	mg/kg
Barium	350	mg/kg
Boron	13	mg/kg
Cadmium	10	mg/kg
Chromium	290	mg/kg
Copper	54	mg/kg
Cyanide	0.5	mg/kg
Lead	84	mg/kg
Molybdenum	54	mg/kg
Nickel	1300	mg/kg
Silver	4.8	mg/kg
Zinc	260	mg/kg
Mercury	0.27	mg/kg

SL-22

@ 0-0.5 ft bls		
Boron	13	mg/kg
Cadmium	11	mg/kg
Copper	85	mg/kg
Lead	36	mg/kg
Mercury	0.14	mg/kg
Fluoride	7.6	mg/kg
Benzene	0.011	mg/kg

SL-25

@ 0-0.5 ft bls		
Petroleum hydrocarbons	13	mg/kg
Fuel hydrocarbons (C10-C24, as diesel)	8.2	mg/kg
Boron	10	mg/kg
Cadmium	9	mg/kg
Chromium	55	mg/kg
Molybdenum	5.4	mg/kg
Nickel	120	mg/kg
Cyanide	1.8	mg/kg
Trichloroethene	0.013	mg/kg

SL-27

@ 0-0.5 ft bls		
Mercury	0.52	mg/kg
Cadmium	9.7	mg/kg
Chromium	48	mg/kg
Nickel	83	mg/kg
@ 0-0.5 ft bls (Split Sample)		
Petroleum hydrocarbons	21	mg/kg
Boron	14	mg/kg
Chromium	57	mg/kg
Copper	35.1	mg/kg
Nickel	144	mg/kg
Cyanide	0.4	mg/kg

Please Note: The original version of this figure includes colorized features and shading. A black and white copy of the figure should not be used because it may not accurately represent the information presented.

Legend

- Chatsworth Formation Monitoring Well
- Shallow Monitoring Well
- Property Boundary Line
- Streams
- TTF Interim Status Facility (Area addressed in the Interim Status Facility Closure)
- Area of Buried Debris (1981)
- Area of Sediment (1981)
- Excavation Perimeter (1982)
- Approximate Location where Anomalies Identified by ICF Kaiser (1993) were Exhumed
- Former Concrete Ponds/Pads
- Soil Sample Collected by Harding Lawson Associates (1981-1982)
- Soil Sample Collected by GWRC, 1993-1994
- Soil Sample Collected by Haley & Aldrich/DTSC (2005)
- Area I Burn Pit (SWMU 4.8) Boundary
- Earthen Pond

SL-32 — Soil ID
@ 0-0.5 bls — Depth in Feet bls = Below land surface
Copper 33 mg/kg — Analyte Concentration Units

TEQ = Total Equivalent

0 pg/g* — A TEQ value of zero is reported in validation data due to OCDD detection in both soil and blank samples.

N
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0 10 20
SCALE IN FEET

DRAFT

HALEY & ALDRICH

AIBP SWMU 4.8 RFI WORKPLAN
BOEING SANTA SUSANA FIELD LABORATORY
VENTURA COUNTY, CALIFORNIA

HISTORICAL SOIL SAMPLES WITH ELEVATED CONCENTRATIONS OF ANALYTES - NORTHEAST AREA AREA I BURN PIT - SWMU 4.8

SCALE: AS SHOWN
OCTOBER 2006

FIGURE 4

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