

**Table 6.19**  
**Soil Organic Analytical Data**  
**Exceedences for PSC RW-02**  
**Luke AFB, Arizona**

Sample Date	Location	Depth (ft bgs)	SVOCs							
			Benzo(a)pyrene				Benzo(b)fluoranthene			
			ASRL		PRG		ASRL		PRG	
			Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.
			<b>0.61</b>	<b>2.60</b>	<b>0.062</b>	<b>0.21</b>	<b>6.10</b>	<b>26.0</b>	<b>0.62</b>	<b>2.10</b>
08/27/96	02-SB-14	0-2	<b>0.10 J</b>				<b>0.11 J</b>			
10/31/91	02-TP-01	1-3	<b>0.63</b>				<b>1.60</b>			

Notes:

- Sample results are reported in milligrams per kilogram
- Shaded results exceed a standard
- Bold results indicate compound was detected
- Prior to 1994 tentatively identified compounds (TIC) were reported in unknown quantities
- Data for SVOCs prior to 1996 sampling was determined to be of unknown quality; therefore, it cannot be used for decision-making purposes

- ASRL Arizona soil remediation level
- ft bgs feet below ground surface
- Ind. industrial
- J estimated concentration
- PRG Environmental Protection Agency Region 9 preliminary remediation goal
- Res. residential
- SVOC semivolatile organic compound

**Table 6.20**  
**Soil Organic Analytical Data**  
**Exceedences for PSC SD-20**  
**Luke AFB, Arizona**

Sample Date	Location	Depth (ft bgs)	SVOCs											
			Bis(2-ethylhexyl)phthalate				Benzo(a)pyrene				Benzo(b)fluoranthene			
			ASRL		PRG		ASRL		PRG		ASRL		PRG	
			Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.
			<b>320</b>	<b>1,400</b>	<b>35.0</b>	<b>120</b>	<b>0.61</b>	<b>2.60</b>	<b>0.062</b>	<b>0.21</b>	<b>6.10</b>	<b>26.0</b>	<b>0.62</b>	<b>2.10</b>
10/09/91	20-SB-01	0-2	ND				<b>0.18</b>				<b>0.32</b>			
11/13/91	20-SD-13	0-1	ND				<b>0.48</b>				<b>0.96</b>			
04/28/93	20-SD-16	0-0.25	<b>330</b>				ND				<b>64.0</b>			

Notes:

- Sample results are reported in milligrams per kilogram
- Shaded results exceed a standard
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- Prior to 1994 tentatively identified compounds (TIC) were reported in unknown quantities
- Data for SVOCs prior to 1996 sampling was determined to be of unknown quality; therefore, it cannot be used for decision-making purposes

- ASRL Arizona soil remediation level
- ft bgs feet below ground surface
- Ind. industrial
- ND not detected
- PRG Environmental Protection Agency Region 9 preliminary remediation goal
- Res. residential
- SVOC semivolatile organic compound

**Table 6.21  
Soil Organic Analytical Data  
Exceedences for PSC SD-38  
Luke AFB, Arizona**

Sample Date	Location	Depth (ft bgs)	VOCs							
			Trichloroethene				Tetrachloroethene			
			ASRL		PRG		ASRL		PRG	
			Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.
			27.0	70.0	0.053	0.11	53.0	170	0.48	1.31
05/04/92	38-SB-3	6-8	19.0				450			
		8-10	0.40				40.0			
05/06/92	38-SB-3	8-10	ND				20.0			

Notes:

- Sample results are reported in milligrams per kilogram
- Shaded results exceed a standard
- Bold results indicate compound was detected
- Prior to 1994 tentatively identified compounds (TIC) were reported in unknown quantities
- Data for VOCs prior to 1996 sampling was determined to be of unknown quality; therefore, it cannot be used for decision-making purposes

ASRL Arizona soil remediation level  
 ft bgs feet below ground surface  
 Ind. industrial  
 ND not detected  
 PRG Environmental Protection Agency Region 9 preliminary remediation goal  
 Res. residential  
 VOC semivolatile organic compound

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**Table 6.22**  
**Soil Organic Analytical Data**  
**Exceedences for PSC SS-42**  
**Luke AFB, Arizona**

Sample Date	Location	Depth (ft bgs)	VOCs												
			Benzene				Toluene				Xylenes (Total)				
			ASRL		PRG		ASRL		PRG		ASRL		PRG		
			Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	
				<b>0.62</b>	<b>1.40</b>	<b>0.64</b>	<b>1.40</b>	<b>790</b>	<b>2,700</b>	<b>520</b>	<b>520</b>	<b>2,800</b>	<b>2,800</b>	<b>270</b>	<b>420</b>
11/20/93	042-SB-02	19-21	<b>5.50</b>				<b>88.0</b>				<b>130</b>				
		49-51	<b>1.10</b>				<b>49.0</b>				<b>110</b>				
		59-61	<b>0.70</b>				<b>30.0</b>				<b>86.0</b>				
		69-71	<b>150</b>				<b>860</b>				<b>950</b>				
		79-81	<b>3.10</b>				<b>48.0</b>				<b>80.0</b>				
		89-91	<b>4.00</b>				<b>25.0</b>				<b>46.0</b>				
		109-111	<b>6.80</b>				<b>93.0</b>				NA				
		119-121	<b>14.0</b>				<b>86.0</b>				<b>120</b>				
		129-131	<b>48.0</b>				<b>310</b>				<b>380</b>				
		139-141	<b>54.0</b>				<b>300</b>				<b>330</b>				

Notes:

- Sample results are reported in milligrams per kilogram
- Shaded results exceed a standard
- Bold results indicate compound was detected
- Prior to 1994 tentatively identified compounds (TIC) were reported in unknown quantities
- Data for VOCs prior to 1996 sampling was determined to be of unknown quality; therefore, it cannot be used for decision-making purposes

ASRL            Arizona soil remediation level  
 ft bgs        feet below ground surface  
 Ind.           industrial  
 J                estimated concentrations  
 NA             not analyzed  
 ND             not detected  
 PRG           Environmental Protection Agency Region 9 preliminary remediation goal  
 Res.          residential  
 VOC          volatile organic compound

**Table 6.23**  
**Soil Organic Analytical Data**  
**Exceedences for PSC ST-18**  
**Luke AFB, Arizona**

Sample Date	Location	Depth (ft bgs)	VOCs															
			1,1-Dichloroethene				1,1,2,2-Tetrachloroethane				Trichloroethene				Benzene			
			ASRL		PRG		ASRL		PRG		ASRL		PRG		ASRL		PRG	
			Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.
			0.36	0.80	120	410	4.40	11.0	0.41	0.93	27.0	70.0	0.053	0.11	0.62	1.40	0.64	1.40
12/13/91	SB-2	12-14	1.00				3.00				1.00				2.00			
		20-22	ND				ND				3.00				6.40			
08/22/96	SB-11	18-20	ND				ND				ND				6.30 J			
			ND				ND				1.80 J				4.00 J			
		28-30	ND				ND				2.00 J				ND			
		38-40	ND				ND				2.70 J				1.40 J			
Sample Date	Location	Depth (ft bgs)	VOCs								SVOCs							
			Tetrachlorethene				Xylenes (Total)				Benzo(a) pyrene				Benzo(b) fluoranthene			
			ASRL		PRG		ASRL		PRG		ASRL		PRG		ASRL		PRG	
			Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.
			53.0	170	0.48	1.31	2,800	2,800	210	210	0.61	2.60	0.062	0.21	6.10	26.0	0.62	2.10
12/13/91	SB-2	12-14	3.00				280				ND				ND			
		20-22	2.40				380				ND				ND			
02/03/92	SB-3	0-2	ND				ND				0.43				0.77			
	SB-4	0-2	ND				ND				0.17				ND			
08/21/96	SB-10	18-20	ND				290				ND				ND			
08/22/96	SB-11	18-20	ND				800				ND				ND			
		38-40	ND				600				ND				ND			

Notes:  
 - Sample results are reported in milligrams per kilogram  
 - Shaded results exceed a standard  
 - Bold results indicate compound was detected  
 - Prior to 1994 tentatively identified compounds (TIC) were reported in unknown quantities  
 - Data for VOCs/SVOCs prior to 1996 sampling was determined to be of unknown quality; therefore, it cannot be used for decision-making purposes

ASRL Arizona soil remediation level  
 ft bgs feet below ground surface  
 Ind. industrial  
 J estimated concentrations  
 ND not detected  
 PRG Environmental Protection Agency Region 9 preliminary remediation goal  
 Res. residential  
 SVOC semivolatile organic compound  
 VOC volatile organic compound

**Table 6.24**  
**Soil Inorganic Analytical Data**  
**Exceedences for PSC DP-13**  
**Luke AFB, Arizona**

Sample Date	Location	Depth (ft bgs)	Inorganic Constituents															
			Arsenic				Chromium				Copper				Lead			
			ASRL		PRG		ASRL		PRG		ASRL		PRG		ASRL		PRG	
			Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.	Res.	Ind.
10.0	10.0	0.39	1.60	2,100	4,500	210	450	2,800	63,000	3,100	41,000	400	2,000	400	800			
03/09/93	13-SB-2	18-20	5.00				16.3				14.9				17.0			
			7.00				8.40				9.90				ND			
03/08/93	13-SB-3	0-2	9.00				22.2				22.0				23.0			
		8-10	13.0				23.5				39.6				24.0			
	13-SB-4	0-2	17.0				23.6				21.1				28.0			
		8-10	13.0				14.4				14.4				14.0			
03/09/93	13-SB-6	0-2	9.00				14.6				14.9				8.00			
		18-20	6.00				13.8				14.4				12.9			
	13-SB-7	0-2	12.0				16.8				16.8				9.00			
			8.00				20.5				19.6				11.0			
		8-10	7.00				16.5				18.2				8.00			
			8.00				7.40				7.40				6.00			
11/06/91	13-TP-07	2	9.00				11.7				20.4				11.0			
11/07/91	13-TP-12	6	7.00				23.7				3,900				51.0			
		5	19.0				15,900				35.6				36,000			

- Notes:
- Sample results are reported in milligrams per kilogram
  - Shaded results exceed a standard
  - Bold results indicate compound was detected
  - Total chromium standards listed

ASRL Arizona soil remediation level  
 ft bgs feet below ground surface  
 Ind. industrial  
 ND not detected  
 PRG Environmental Protection Agency Region 9 preliminary remediation goal  
 Res. residential