APPENDIX E

SOIL REMEDIAL INVESTIGATION ANALYTICAL DATA SUMMARY TABLES

Table 8-2. Non-Metal Analytical Results for Soil Samples Collected at PSC RW-02, OU-1, Remedial Investigation
Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
111391LUK02SL00001	02-SB-01	10	12	NA	NA		ND	[UQ]	No	NA		NA	NA
111391LUK02SL00002	02-SB-01	15	17	NA	NA		ND	[UQ]	No	NA		NA	NA
111391LUK02SL00003	02-SB-02	10	12	NA	NA		ND	[UQ]	No	NA		NA	NA
111391LUK02SL00004	02-SB-02	15	17	NA	NA		ACE 0.8	[UQ]	No	NA		NA	NA
030393LUK02SL00008	02-SB-03	0	2	NA	110		ND	[UQ]	No	ND	[UQ]	No	<0.5
030393LUK02SL00009	02-SB-03	8	10	NA	50		ND	[UQ]	No	BEP 0.22	[UQ]	Yes	<0.5
030393LUK02SL00010	02-SB-03	18	20	NA	20		ND	[UQ]	No	ND	[UQ]	No	<0.5
030393LUK02SL00011	02-SB-03	28	30	NA	40		ND	[UQ]	No	ND	[UQ]	No	<0.5
030293LUK02SL00004	02-SB-04	0	2	NA	80		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030293LUK02SL00005	02-SB-04	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030293LUK02SL00006	02-SB-04	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030293LUK02SL00001	02-SB-05	0	2	NA	120		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030293LUK02SL00002	02-SB-05	8	10	NA	60		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030293LUK02SL00003	02-SB-05	18	20	NA	220		ND	[UQ]	No	BEP 0.50	[UQ]	Yes	<0.5
030293LUK02SL00003	02-SB-05	18	20							DNB 0.51	[UQ]		
030593LUK02SL00029	02-SB-06	0	2	NA	670		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030593LUK02SL00030	02-SB-06	8	10	NA	80		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030593LUK02SL00031	02-SB-06	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030493LUK02SL00024	02-SB-07	0	2	NA	20		ND	[UQ]	No	ND	[UQ]	No	<0.5
030493LUK02SL00025	02-SB-07	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030493LUK02SL00026	02-SB-07	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030493LUK02SL00021	02-SB-08	0	2	NA	100		ND	[UQ]	No	BZB 0.28	[UQ]	Yes	<0.5
030493LUK02SL00022	02-SB-08	8	10	NA	3500		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030493LUK02SL00023	02-SB-08	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030493LUK02SL00016	02-SB-09	0	2	NA	140	j	ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030493LUK02SL00017D	02-SB-09	0	2	NA	1000	j	ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030493LUK02SL00019	02-SB-09	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030493LUK02SL00020	02-SB-09	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030393LUK02SL00012	02-SB-10	0	2	NA	120		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030393LUK02SL00013	02-SB-10	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030393LUK02SL00014	02-SB-10	18	20	NA	30		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
082796LUK002SL00192	02-SB-12	0	2	NA	NA		NA		NA	ND		NA	NA
082796LUK002SL00190	02-SB-12	8	10	NA	NA		ND		NA	ND		NA	NA
082796LUK002SL00191	02-SB-12	14	16	NA	NA		ND		NA	ND		NA	NA
082796LUK002SL00193	02-SB-13	0	2	NA	NA		ND		NA	ND		NA	NA
082796LUK002 SL00194	02-SB-14	0	2	NA	NA		NA		NA	BZA 0.11 J		NA	NA
082796LUK002 SL00194	02-SB-14	0	2							BZP 0.1 J			

Table 8-2. Non-Metal Analytical Results for Soil Samples Collected at PSC RW-02, OU-1, Remedial Investigation
Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
082796LUK002 SL00194	02-SB-14	0	2							BZB 0.11 J-			
082796LUK002 SL00194	02-SB-14	0	2							BZG 0.051 J			
082796LUK002 SL00194	02-SB-14	0	2							BZK 0.1 J			
082796LUK002 SL00194	02-SB-14	0	2							CRY 0.12 J			
082796LUK002 SL00194	02-SB-14	0	2							FLU 0.18 J			
082796LUK002 SL00194	02-SB-14	0	2							IND 0.048 J			
082796LUK002 SL00194	02-SB-14	0	2							PHEN 0.081 J			
082796LUK002 SL00194	02-SB-14	0	2							PYR 0.14 J			
082796LUK002 SL00195	02-SB-15	0	2	NA	NA		NA		NA	BEP 0.071 J		NA	NA
082796LUK002 SL00196	02-SB-15	8	10	NA	NA		ND		NA	ND		NA	NA
082796LUK002 SL00197	02-SB-15	14	16	NA	NA		ND		NA	BEP 0.073 J		NA	NA
082796LUK002 SL00198	02-SB-16	0	2	NA	NA		NA		NA	ND		NA	NA
082796LUK002 SL00199	02-SB-16	8	10	NA	NA		ND		NA	ND		NA	NA
082796LUK002 SL00200	02-SB-16	14	16	NA	NA		ND		NA	MNAP 0.32 J		NA	NA
082796LUK002 SL00200	02-SB-16	14	16	NA	NA		ND		NA	BEP 5.1		NA	NA
082796LUK002 SL00200	02-SB-16	14	16	NA	NA		ND		NA	DNB 0.39 J		NA	NA
082796LUK002 SL00200	02-SB-16	14	16	NA	NA		ND		NA	DOP 0.25 J		NA	NA
082796LUK002 SL00201	02-SB-17	0	2	NA	NA		NA		NA	ND		NA	NA
082796LUK002 SL00202	02-SB-17	8	10	NA	NA		ND		NA	ND		NA	NA
082796LUK002 SL00203	02-SB-17	14	16	NA	NA		ND		NA	DOP 0.52		NA	NA
103191LUK02SM00001	02-TP-01	1	3	NA	170		ND	[UQ]	No	FLU 0.69	[UQ]	No	<0.5
103191LUK02SM00001	02-TP-01	1	3							PYR 0.54	[UQ]		
103191LUK02SM00001	02-TP-01	1	3							BZA 0.45	[UQ]		
103191LUK02SM00001	02-TP-01	1	3							CRY 0.84	[UQ]		
103191LUK02SM00001	02-TP-01	1	3							BZB 1.6 -	[UQ]		
103191LUK02SM00001	02-TP-01	1	3							BZP 0.63 -	[UQ]		
103191LUK02SM00001	02-TP-01	1	3							BZG 0.38	[UQ]		
103191LUK02SM00002	02-TP-01	10	10	NA	40		ND	[UQ]	No	BZB 0.19	[UQ]	No	<0.5
103191LUK02SM00004	02-TP-02	1	4	NA	80		ND	[UQ]	No	ND	[UQ]	No	<0.5
103191LUK02SM00003	02-TP-02	3	3	NA	4100 -		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
103191LUK02SM00005	02-TP-02	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
103191LUK02SM00007	02-TP-03	1	1	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
103191LUK02SM00006	02-TP-03	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
103191LUK02SM00008	02-TP-04	1	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
103191LUK02SM00009D	02-TP-04	1	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
103191LUK02SM00011	02-TP-04	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
110191LUK02SM00014	02-TP-05	3	3	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5

Table 8-2. Non-Metal Analytical Results for Soil Samples Collected at PSC RW-02, OU-1, Remedial Investigation
Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
110191LUK02SM00015	02-TP-05	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
110191LUK02SM00016	02-TP-06	1	2	NA	73		ND	[UQ]	No	ND	[UQ]	No	<0.5
110191LUK02SM00017	02-TP-06	10	10	NA	54		ND	[UQ]	No	ND	[UQ]	No	<0.5
110491LUK02SM00019	02-TP-07	10	10	NA	300		ND		No	ND		Yes	<0.5
110491LUK02SM00020	02-TP-07	10	10	NA	40		ND		No	ND		No	<0.5
110491LUK02SM00022	02-TP-08	2	2	NA	<10		ND		No	ND		No	<0.5
110491LUK02SM00021	02-TP-08	4	4	NA	<10		ND		No	ND		No	<0.5
110491LUK02SM00023	02-TP-08	10	10	NA	<10		ND		No	ND		No	<0.5
110491LUK02SM00024	02-TP-09	7	8	NA	30		ND		No	ND		No	<0.5
110491LUK02SM00025	02-TP-09	10	10	NA	110		ND		No	ND		No	0.5
110491LUK02SM00026D	02-TP-09	10	10	NA	40		ND		No	ND		No	<0.5
110591LUK02SM00028	02-TP-10	2	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
110591LUK02SM00029	02-TP-10	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
110591LUK02SM00030D	02-TP-10	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location	f.comp	Composite from fine-grained sample	BZK	Benzo(k)fluoranthene
SB	Soil boring location	c.comp	Composite from coarse-grained sample	BZP	Benzo(a)pyrene
TP	Test pit location	ACE	Acetone	CRY	Chryzene
SM	Solid waste matrix	ANT	Anthracene	DCE	1,1 Dichloroethene
MW	Monitoring well location	BBP	Butylbenzylpthalate	EB	Ethyl benzene
D	Duplicate sample	BEP	Bis(2-ethylhexyl)pthalate	FLU	Fluoranthene
<	Less Than	BNA's	Base/neutral and acid extractable compounds	DBA	Dibenzo(a,h)anthracene
NA	Not analyzed	BZ	Benzene	DNB	Di-n-butyl phthalate
ND	Not detected	BZA	Benzo(a)anthracene	IND	Indeno(1,2,3-cd)pyrene
TR	Trace amount; unquantifiable	BZB	Benzo(b)fluoranthene	MEK	Methyl Ethyl Ketone
*	Constituent detected in method blank	BZG	Benzo(g,h,i)perylene	MIBK	Methyl Iso-Butyl Ketone
		TRPH	Total Recoverable Petroleum Hydrocarbons	PHEN	Phenanthrene
j	Data are considered estimated	VOCs	Volatile Organi Compounds	TCA	1,1,1-Trichloroethane
r	Data are considered unusable	2MNAP	2-Methylnaphthalene	TCE	Trichloroethene
uj	Data are considered estimated and not detected at the reported value	NAP	Naphthalene	TOL	Toluene
		XYL	Total Xylenes	PCE	Perchloroethene
qual.	qualifiers	PYR	Pyrene	[UQ]	ATI-Phoenix data of unknown quality as determined by the FFA Parties

Table 8-3. Metals Analytical Results for Soil Samples Collected at PSC RW-02, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
030393LUK02SL00008	02-SB-03	0	2	ND	ND	104	ND	ND	17.3	17.7	ND	15.4	19	ND	ND	ND	39.2
030393LUK02SL00010	02-SB-03	18	20	ND	18	111	ND	ND	32.7	23.2	ND	21.9	13	ND	ND	ND	32.4
030393LUK02SL00011	02-SB-03	28	30	ND	ND	101	ND	ND	40.1	24.7	ND	18.4	16	ND	ND	ND	43.2
030393LUK02SL00009	02-SB-03	8	10	ND	ND	113	0.7	1.5	23.2	57.5	ND	29.9	88	ND	ND	ND	134
030293LUK02SL00004	02-SB-04	0	2	ND	ND	115	ND	ND	20.1	20.3	ND	15.6	16	ND	ND	ND	38.7
030293LUK02SL00006	02-SB-04	18	20	ND	30	115	ND	ND	45.2	20.5	ND	23.4	13	ND	ND	ND	35.6
030293LUK02SL00005	02-SB-04	8	10	ND	9	101	0.6	ND	41	31.9	ND	29.4	16	ND	ND	ND	54.4
030293LUK02SL00001	02-SB-05	0	2	ND	ND	112	ND	ND	18.5	19.6	ND	15.8	14	ND	ND	ND	37.3
030293LUK02SL00003	02-SB-05	18	20	ND	12	154	ND	ND	24.5	18.1	0.2	15.5	14	ND	ND	ND	32.8
030293LUK02SL00002	02-SB-05	8	10	ND	7	126	ND	0.4	21.8	31.8	ND	17.9	33	ND	ND	ND	55
030593LUK02SL00029	02-SB-06	0	2	ND	ND	149	ND	0.6	24.3	26.7	0.4	18.7	117	ND	ND	ND	109
030593LUK02SL00031	02-SB-06	18	20	ND	ND	69.5	ND	ND	10	13.4	ND	10.9	ND	ND	ND	ND	21.2
030593LUK02SL00030	02-SB-06	8	10	ND	ND	59	ND	ND	14.8	16.8	ND	14.4	6	ND	ND	ND	29.6
030493LUK02SL00024	02-SB-07	0	2	ND	7	81.3	ND	ND	17.1	12.9	ND	13.2	8	ND	ND	ND	27.5
030493LUK02SL00026	02-SB-07	18	20	ND	10	152	0.6	ND	23.4	19.9	ND	20.4	11	ND	ND	ND	37.2
030493LUK02SL00025	02-SB-07	8	10	ND	19	117	ND	ND	23.8	25	ND	20.7	9	ND	ND	ND	37.6
030493LUK02SL00021	02-SB-08	0	2	ND	9	123	ND	0.3	19.6	19.7	ND	17	14	ND	ND	ND	38.5
030493LUK02SL00023	02-SB-08	18	20	ND	18	96.4	ND	ND	28.6	21.9	ND	22	11	ND	ND	ND	43.7
030493LUK02SL00022	02-SB-08	8	10	ND	7	166	ND	ND	23.3	23.4	ND	19	57	ND	ND	ND	134
030493LUK02SL00016	02-SB-09	0	2	ND	8	110	ND	ND	20.9	23.1	ND	18.7	14(j)	ND	ND	ND	40.9
030493LUK02SL00017D	02-SB-09	0	2	ND	8	96.1	ND	ND	21	32.2	ND	19.6	30(j)	ND	ND	ND	55.1
030493LUK02SL00020	02-SB-09	18	20	ND	12	75.6	ND	ND	23	14.1	ND	20.2	8	ND	ND	ND	24.9
030493LUK02SL00019	02-SB-09	8	10	ND	13	213	ND	ND	31.3	33.4	ND	30.9	14	ND	ND	ND	54.6
030393LUK02SL00012	02-SB-10	0	2	ND	ND	102	ND	ND	19	19.6	ND	15.7	14	ND	ND	ND	46.7
030393LUK02SL00014	02-SB-10	18	20	ND	ND	79.2	ND	ND	21.5	15.6	ND	13	8	ND	ND	ND	24.3
030393LUK02SL00013	02-SB-10	8	10	ND	ND	59.2	ND	ND	13.5	14.5	ND	11.8	6	ND	ND	ND	21.3
103191LUK02SM00001	02-TP-01	1	3	1	ND	280	ND	3.0	13.5	98.2	ND	19	167	ND(uj)	ND	ND	867
103191LUK02SM00002	02-TP-01	10	10	ND	ND	121	ND	1.3	13.4	30.4	ND	16	42	ND(uj)	ND	ND	73.7
103191LUK02SM00004	02-TP-02	1	4	1	15	259	ND	58	63	4840	ND	30	414	ND(uj)	ND	ND	590
103191LUK02SM00005	02-TP-02	10	10	ND	6	51.2	0.5	ND	24.6	36.0	ND	16	15	ND(uj)	ND	ND	27.7
103191LUK02SM00003	02-TP-02	3	3	ND	ND	128	ND	4.8	18.4	45.0	ND	17	144	ND(uj)	ND	ND	463
103191LUK02SM00007	02-TP-03	1	1	ND	ND	142	ND	ND	21.0	26.8	ND	18	12	ND(uj)	ND	ND	34.4
103191LUK02SM00006	02-TP-03	10	10	ND	7	79.0	ND	ND	18.6	23.7	ND	27	11	ND(uj)	ND	ND	28.9
103191LUK02SM00008	02-TP-04	1	2	ND	6	196	ND	0.8	15.5	24.4	ND	20	11	ND(uj)	ND	ND	40.3
103191LUK02SM00009D	02-TP-04	1	2	ND	ND	192	ND	0.5	12.3	21.1	ND	15	14	ND(uj)	ND	ND	34.2
103191LUK02SM00011	02-TP-04	10	10	ND	ND	89.5	ND	ND	18.2	16.2	ND	14	6	ND(uj)	ND	ND	25.7
110191LUK02SM00015	02-TP-05	10	10	ND	6	70.7	ND	ND	16.9	14.6	ND	16	9	ND(uj)	ND	ND	25.2
110191LUK02SM00014	02-TP-05	3	3	ND	ND	74.6	ND	ND	15.2	12.5	ND	12	7	ND(uj)	ND	ND	19.5
110191LUK02SM00016	02-TP-06	1	2	ND	ND	62.0	ND	ND	6.7	13.4	ND	12	6	ND(uj)	ND	ND	23.3
110191LUK02SM00017	02-TP-06	10	10	1	ND	79.2	ND	0.6	10.2	15.8	ND	12	12	ND(uj)	ND	ND	33.3
110491LUK02SM00019	02-TP-07	10	10	12	ND	174	ND	1.4	25.7	38.8	ND	17	34	ND(uj)	ND	ND	124
110491LUK02SM00020	02-TP-07	10	10	2	ND	82.0	ND	ND	36.6	19.3	ND	16	10	ND(uj)	ND	ND	40.2

Table 8-3. Metals Analytical Results for Soil Samples Collected at PSC RW-02, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
110491LUK02SM00023	02-TP-08	10	10	ND	ND	35.1	ND	ND	5.3	8.2	ND	6	ND	ND(uj)	ND	ND	17.0
110491LUK02SM00022	02-TP-08	2	2	ND	ND	274	ND	ND	18.4	30.7	ND	22	9	ND(uj)	ND	ND	48.0
110491LUK02SM00021	02-TP-08	4	4	ND	8-	230	ND	ND	15.4	34.9	ND	25	10	ND(uj)	ND	ND	50.9
110491LUK02SM00025	02-TP-09	10	10	ND	ND	357	ND	6.5	35.9	114	0.64	31	680	ND(uj)	ND	ND	3660
110491LUK02SM00026D	02-TP-09	10	10	ND	ND	104	ND	ND	10.5	16.8	ND	13	9	ND(uj)	ND	ND	34.4
110491LUK02SM00024	02-TP-09	7	8	ND	ND	171	ND	6.3	16.8	51.2	ND	23	64	ND(uj)	ND	ND	243
110591LUK02SM00029	02-TP-10	10	10	ND	ND	162	ND	ND	15.1	22.8	ND	19	7	ND(uj)	ND	ND	35.9
110591LUK02SM00030D	02-TP-10	10	10	ND	ND	155	ND	ND	13.6	21.7	ND	19	6	ND(uj)	ND	ND	38.2
110591LUK02SM00028	02-TP-10	2	2	ND	ND	202	ND	ND	14.6	23.3	ND	19	7	ND(uj)	ND	ND	34.5

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.

Results provided by Analytical Technologies, Inc.

Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location
SB	Soil boring location
TP	Test pit location
SM	Solid waste matrix
MW	Monitoring well location
D	Duplicate sample
<	Less Than
NA	Not analyzed
ND	Not detected
TR	Trace amount; unquantifiable
*	Constituent detected in method blank

Ag	Silver
As	Arsenic
Ba	Barium
Be	Beryllium
Cd	Cadmium
Cr	Chromium
Cu	Copper
Hg	Mercury
Ni	Nickel
Pb	Lead
Sb	Antimony
Se	Selenium
Tl	Thallium
Zn	Zinc

j	Data are considered estimated
r	Data are considered unusable
uj	Data are considered estimated and not detected at the reported value

Table 8-4. Analytical Results Showing Tentatively Identified Compounds (TICs) Detected in Soil Samples Collected During the Remedial Investigation
PSC RW-02, Luke Air Force Base, Arizona

Sample I.D.	Sample Location	Depth (ft.bgs)	TRPH (mg/kg)	VOC TICs	Concentration (mg/kg)	BNA TICs	Concentration (mg/kg)
030393LUK02SL00009	SB-03	8-10	50	ND	na	Hydrocarbon C28	0.9
030393LUK02SL00009	SB-03	8-10				Organic Acid C10-C30	3B
030293LUK02SL00004	SB-04	0-2	80	ND	na	Organic Acid C-22	5B
030293LUK02SL00005	SB-04	8-10	ND	ND	na	Organic Acid C-22	2B
030293LUK02SL00006	SB-04	18-20	ND	ND	na	Organic Acid C-22	0.5B
030293LUK02SL00006	SB-04	18-20				Decamethylcyclopentasiloxane	0.2
030293LUK02SL00001	SB-05	0-2	120	ND	na	Organic Acid C22	10B
030293LUK02SL00002	SB-05	8-10	60	ND	na	Organic Acid C22	10B
030293LUK02SL00003	SB-05	18-20	220	ND	na	Organic Acids C10-C22	10B
030293LUK02SL00003	SB-05	18-20				Hydrocarbons C27-C36	10
030593LUK02SL00029	SB-06	0-2	670	ND	na	Organic Acid	2B
030593LUK02SL00030	SB-06	8-10	80	ND	na	Organic Acid	0.3B
030493LUK02SL00021	SB-08	0-2	100	ND	na	Organic Acid C16	0.2B
030493LUK02SL00022	SB-08	8-10	3500	ND	na	Organic Acid C13-C18	10B
030493LUK02SL00022	SB-08	8-10				Cholestane	10
030493LUK02SL00016	SB-09	0-2	140	ND	na	Organic Acid C16	0.5B
030493LUK02SL00017	SB-09	0-2	1000	ND	na	Organic Acid C16	0.3B
030393LUK02SL00012	SB-10	0-2	120	ND		Organic Acid C16	0.2B
030393LUK02SL00014	SB-10	18-20	30	ND	na	Organic Acid C16	0.2B
103191LUK02SM00003	TP-02	3	4100	ND	na	DDE	6
103191LUK02SM00003	TP-02	3				Brominated Hydrocarbons	20
110491LUK02SM00019	TP-07	10	300	ND	na	Oxygenated Hydrocarbon C10	3
110591LUK02SM00029	TP-10	10	ND	ND	na	Oxygenated Hydrocarbon C18	20

Notes:

NA Not analyzed
ND Not detected at or above the Method Detection Level
na not applicable
TRPH Total Recoverable Petroleum Hydrocarbons
VOC Volatile Organic Compunds
BNA Base Neutral and Acid Extractable Compounds

Table 9-3. Metals Analytical Results for Soil Samples Collected at PSC LF-03, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
102491LUK03SM00001	03-TP-1	1	2	ND	ND	95.9	ND	2.1	15.2	16.2	ND	11.9	9.5	ND(uj)	ND	ND	30.2
102491LUK03SM00002	03-TP-1	7	9	ND	ND	27.0	ND	0.8	3.3	5.2	ND	2.6	ND	ND(uj)	ND	ND	8.5
102491LUK03SM00003	03-TP-2	1	2	ND	ND	81.7	ND	1.4	10.6	10.7	ND	8.3	7.2	ND(uj)	ND	ND	22.3
102491LUK03SM00004	03-TP-2	8	10	ND	ND	62.7	ND	0.5	4.4	6.9	ND	3.8	ND	ND(uj)	ND	ND	12.0
102491LUK03SM00005D	03-TP-2	8	10	ND	ND	67.0	ND	0.9	5.5	6.4	ND	4.8	5.2	ND(uj)	ND	ND	12.4
102691LUK03SM00010	03-TP-5	8	8	2.2	5.9 -	222	ND	4.3	386 -	4700 -	ND	38.5	796 -	ND(uj)	ND	ND	798
102691LUK03SM00011	03-TP-5	7	8	21	9.5 -	183	ND	7.8	349 -	387	ND	23.1	721 -	ND(uj)	ND	ND	495
102691LUK03SM00012	03-TP-6	2	2	ND	5.2 -	153	0.7	1.5	20.1	32.9	ND	18.8	13.5	ND(uj)	ND	ND	45.6
102691LUK03SM00013	03-TP-6	10	10	ND	ND	35.1	ND	0.7	6.1	10.4	ND	5.0	5.8	ND(uj)	ND	ND	11.8
102691LUK03SM00014	03-TP-3	2	2	ND	ND	181	0.7	1.4	19.4	25.7	ND	17.6	11.3	ND(uj)	ND	ND	45.2
102691LUK03SM00015	03-TP-3	10	10	ND	ND	74.0	ND	0.7	9.5	12.2	ND	8.1	9.3	ND(uj)	ND	ND	27.9
102691LUK03SM00016	03-TP-4	10	10	ND	ND	85.2	ND	ND	4.7	10.2	ND	4.3	<5.0	ND(uj)	ND	ND	16.5
102691LUK03SM00017	03-TP-4	4	4	ND	15.9 -	170	ND	6.4	26.6	123	ND	38.7	568 -	ND(uj)	ND	ND	867

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location	Ag	Silver	Hg	Mercury	j	Data are considered estimated
SB	Soil boring location	As	Arsenic	Ni	Nickel	r	Data are considered unusable
TP	Test pit location	Ba	Barium	Pb	Lead	uj	Data are considered estimated and not detected at the reported value
SM	Solid waste matrix	Be	Beryllium	Sb	Antimony		
MW	Monitoring well location	Cd	Cadmium	Se	Selenium		
D	Duplicate sample	Cr	Chromium	Tl	Thallium		
<	Less Than	Cu	Copper	Zn	Zinc		
NA	Not analyzed						
ND	Not detected						
TR	Trace amount; unquantifiable						
*	Constituent detected in method blank						

Table 9-2. Non-Metal Constituents Results for Soil Samples Collected at LF-03, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
082496LUK003SL00155	SB-1	0	2	NA	NA		ND		NA	ND		NA	NA
082496LUK003SL00156	SB-1	8	10	NA	NA		ND		NA	ND		NA	NA
082496LUK003SL00157	SB-2	0	2	NA	NA		ND		NA	ND		NA	NA
082496LUK003SL00158	SB-2	8	10	NA	NA		ND		NA	ND		NA	NA
102491LUK03SM00001	03-TP-1	1	2	NA	<10		ND		No	ND		No	<0.5
102491LUK03SM00002	03-TP-1	7	9	NA	<10		ND		No	ND		No	<0.5
102491LUK03SM00003	03-TP-2	1	2	NA	<10		ND		No	ND		No	<0.5
102491LUK03SM00004	03-TP-2	8	10	NA	<10		ND		No	ND		No	<0.5
102491LUK03SM00005D	03-TP-2	8	10	NA	<10		ND		No	ND		No	<0.5
102691LUK03SM00010	03-TP-5	8	8	NA	<10		ND		No	ND		No	<0.5
102691LUK03SM00011	03-TP-5	7	8	NA	20		ND		No	ND		No	<0.5
102691LUK03SM00012	03-TP-6	2	2	NA	<10		ND		No	ND		No	<0.5
102691LUK03SM00013	03-TP-6	10	10	NA	<10		ND		No	ND		No	<0.5
102691LUK03SM00014	03-TP-3	2	2	NA	<10		ND		No	ND		No	<0.5
102691LUK03SM00015	03-TP-3	10	10	NA	<10		ND		No	ND		No	<0.5
102691LUK03SM00016	03-TP-4	10	10	NA	<10		ND		No	ND		No	<0.5
102691LUK03SM00017	03-TP-4	4	4	NA	10		ND		No	ND		Yes	<0.5

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location	f.comp	Composite from fine-grained sample	BZK	Benzo(k)fluoranthene		
SB	Soil boring location	c.comp	Composite from coarse-grained sample	BZP	Benzo(a)pyrene		
TP	Test pit location	ACE	Acetone	CRY	Chryzene		
SM	Solid waste matrix	ANT	Anthracene	DCE	1,1 Dichloroethene		
MW	Monitoring well location	BBP	Butylbenzylpthalate	EB	Ethyl benzene		
D	Duplicate sample	BEP	Bis(2-ethylhexyl)pthalate	FLU	Fluoranthene	TCA	1,1,1-Trichloroethane
<	Less Than	BNA's	Base/neutral and acid extractable compounds	DBA	Dibenzo(a,h)anthracene	TCE	Trichloroethene
NA	Not analyzed	BZ	Benzene	DNB	Di-n-butyl phthalate	TOL	Toluene
ND	Not detected	BZA	Benzo(a)anthracene	IND	Indeno(1,2,3-cd)pyrene	PCE	Perchloroethene
TR	Trace amount, unquantifiable	BZB	Benzo(b)fluoranthene	MEK	Methyl Ethyl Ketone	NAP	Naphthalene
*	Constituent detected in method blank	BZG	Benzo(g,h,i)perylene	MIBK	Methyl Iso-Butyl Ketone	XYL	Total Xylenes
		TRPH	Total Recoverable Petroleum Hydrocarbons	PHEN	Phenanthrene	PYR	Pyrene
j	Data are considered estimated	uj	Data are considered estimated and not detected at the reported value	VOCs	Volatile Organi Compounds		
r	Data are considered unusable			2MNAP	2-Methylnaphthalene		

Table 13-1. Non-Metal Constituents Results for Soil Samples Collected at FT-07E, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs
062893LUK07SL00001	07-MW-118	100	102	NA	<5		ND	[UQ]	No	NA		NA
062893LUK07SL00002	07-MW-118	150	152	NA	<5		ND	[UQ]	No	NA		NA
062993LUK07SL00004	07-MW-118	200	202	NA	<5		ND	[UQ]	No	NA		NA
062993LUK07SL00005	07-MW-118	250	252	NA	<5		ND	[UQ]	No	NA		NA
062993LUK07SL00006	07-MW-118	300	302	NA	<5		ND	[UQ]	No	NA		NA
062993LUK07SL00007D	07-MW-118	300	302	NA	<5		ND	[UQ]	No	NA		NA
062993LUK07SL00011	07-MW-118	350	352	NA	<5		ND	[UQ]	No	NA		NA
040393LUK07SL00061	07-SB-1	0	2	NA	460		ND	[UQ]	Yes	NA		NA
040393LUK07SL00062	07-SB-1	8	10	NA	<10		ND	[UQ]	No	NA		NA
040393LUK07SL00063	07-SB-1	18	20	NA	<10		ND	[UQ]	No	NA		NA
040393LUK07SL00064	07-SB-1	28	30	NA	<10		ND	[UQ]	No	NA		NA
040393LUK07SL00065	07-SB-1	38	40	NA	<10		ND	[UQ]	No	NA		NA
040393LUK07SL00066	07-SB-1	48	50	NA	<10		ND	[UQ]	No	NA		NA
040393LUK07SL00067	07-SB-1	58	60	NA	<10		ND	[UQ]	No	NA		NA
040393LUK07SL00068	07-SB-1	68	70	NA	<10		ND	[UQ]	No	NA		NA
040393LUK07SL00069	07-SB-1	78	80	NA	<10		ND	[UQ]	No	NA		NA
040393LUK07SL00070	07-SB-1	88	90	NA	<10		ND	[UQ]	No	NA		NA
040393LUK07SL00071	07-SB-1	98	100	NA	<10		ND	[UQ]	No	NA		NA
040593LUK07SL00073	07-SB-2	0	2	NA	2000		EB 0.3	[UQ]	Yes	NA		NA
040593LUK07SL00073	07-SB-2	0	2				XYL 0.8	[UQ]				
040593LUK07SL00074D	07-SB-2	0	2	NA	1400		EB 0.6	[UQ]	Yes	NA		NA
040593LUK07SL00074D	07-SB-2	0	2				XYL 2	[UQ]				
040593LUK07SL00076	07-SB-2	8	10	NA	10		ND	[UQ]	No	NA		NA
040593LUK07SL00077	07-SB-2	18	20	NA	<10		ND	[UQ]	No	NA		NA
040593LUK07SL00078	07-SB-2	28	30	NA	<10		ND	[UQ]	No	NA		NA
040593LUK07SL00079	07-SB-2	38	40	NA	<10		ND	[UQ]	No	NA		NA
040593LUK07SL00080	07-SB-2	48	50	NA	<10		ND	[UQ]	No	NA		NA
040593LUK07SL00081	07-SB-2	58	60	NA	<10		ND	[UQ]	No	NA		NA
040593LUK07SL00082	07-SB-2	68	70	NA	20		ND	[UQ]	No	NA		NA
040593LUK07SL00083	07-SB-2	78	80	NA	<10		ND	[UQ]	No	NA		NA
040593LUK07SL00084	07-SB-2	88	90	NA	<10		ND	[UQ]	No	NA		NA
040593LUK07SL00085	07-SB-2	98	100	NA	<10		ND	[UQ]	No	NA		NA
040293LUK07SL00049	07-SB-3	0	2	NA	1900		ND	[UQ]	Yes	NA		NA
040293LUK07SL00050	07-SB-3	8	10	NA	<10		ND	[UQ]	No	NA		NA
040293LUK07SL00051	07-SB-3	18	20	NA	<10		ND	[UQ]	No	NA		NA
040293LUK07SL00052	07-SB-3	28	30	NA	<10		ND	[UQ]	No	NA		NA

Table 13-1. Non-Metal Constituents Results for Soil Samples Collected at FT-07E, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs
040293LUK07SL00053	07-SB-3	38	40	NA	<10		ND	[UQ]	No	NA		NA
040293LUK07SL00054	07-SB-3	48	50	NA	<10		ND	[UQ]	No	NA		NA
040293LUK07SL00055	07-SB-3	58	60	NA	<10		ND	[UQ]	No	NA		NA
040293LUK07SL00056	07-SB-3	68	70	NA	<10		ND	[UQ]	No	NA		NA
040293LUK07SL00057	07-SB-3	78	80	NA	<10		ND	[UQ]	No	NA		NA
040293LUK07SL00058	07-SB-3	88	90	NA	<10		ND	[UQ]	No	NA		NA
040293LUK07SL00059	07-SB-3	98	100	NA	<10		ND	[UQ]	No	NA		NA
033093LUK07SL00015	07-SB-4	0	2	NA	150		ND	[UQ]	Yes	NA		NA
033093LUK07SL00016D	07-SB-4	0	2	NA	160		ND	[UQ]	No	NA		NA
033093LUK07SL00018	07-SB-4	8	10	NA	<10		ND	[UQ]	No	NA		NA
033093LUK07SL00019	07-SB-4	18	20	NA	<10		ND	[UQ]	No	NA		NA
033093LUK07SL00020	07-SB-4	28	30	NA	220		ND	[UQ]	No	NA		NA
033093LUK07SL00021	07-SB-4	38	40	NA	30		ND	[UQ]	No	NA		NA
033093LUK07SL00022	07-SB-4	48	50	NA	<10		ND	[UQ]	No	NA		NA
033093LUK07SL00023	07-SB-4	58	60	NA	<10		ND	[UQ]	No	NA		NA
033093LUK07SL00024	07-SB-4	68	70	NA	<10		ND	[UQ]	No	NA		NA
033093LUK07SL00025	07-SB-4	78	80	NA	<10		ND	[UQ]	No	NA		NA
033093LUK07SL00026	07-SB-4	88	90	NA	<10		ND	[UQ]	No	NA		NA
033093LUK07SL00027	07-SB-4	98	100	NA	<10		ND	[UQ]	Yes	NA		NA
033193LUK07SL00030	07-SB-5	0	2	NA	500 j		ND	[UQ]	Yes	NA		NA
033193LUK07SL00031D	07-SB-5	0	2	NA	10 j		ND	[UQ]	Yes	NA		NA
033193LUK07SL00033	07-SB-5	8	10	NA	<10		ND	[UQ]	No	NA		NA
033193LUK07SL00034	07-SB-5	18	20	NA	<10		ND	[UQ]	No	NA		NA
033193LUK07SL00035	07-SB-5	28	30	NA	<10		ND	[UQ]	No	NA		NA
033193LUK07SL00036	07-SB-5	38	40	NA	<10		ND	[UQ]	No	NA		NA
033193LUK07SL00037D	07-SB-5	38	40	NA	20		ND	[UQ]	No	NA		NA
040193LUK07SL00042	07-SB-5	48	50	NA	<10		ND	[UQ]	No	NA		NA
040193LUK07SL00043	07-SB-5	58	60	NA	10		ND	[UQ]	No	NA		NA
040193LUK07SL00044	07-SB-5	68	70	NA	<10		ND	[UQ]	No	NA		NA
040193LUK07SL00045	07-SB-5	78	80	NA	10		ND	[UQ]	No	NA		NA
040193LUK07SL00046	07-SB-5	88	90	NA	10		ND	[UQ]	No	NA		NA
040193LUK07SL00047	07-SB-5	98	100	NA	<10		ND	[UQ]	No	NA		NA
032993LUK07SL00001	07-SB-6	0	2	NA	520		ND	[UQ]	No	NA		NA
032993LUK07SL00002	07-SB-6	4	6	NA	11000 -		EB 6.1	[UQ]	Yes	NA		NA
032993LUK07SL00002	07-SB-6	4	6				XYL 60	[UQ]				
032993LUK07SL00003	07-SB-6	8	10	NA	27000 -		TOL 120	[UQ]	Yes	NA		NA

Table 13-1. Non-Metal Constituents Results for Soil Samples Collected at FT-07E, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs
032993LUK07SL00003	07-SB-6	8	10				EB 230 -	[UQ]				
032993LUK07SL00003	07-SB-6	8	10				XYL 600 -	[UQ]				
032993LUK07SL00004	07-SB-6	14	16	NA	11000 -		TOL 27	[UQ]	Yes	NA		NA
032993LUK07SL00004	07-SB-6	14	16				EB 35	[UQ]				
032993LUK07SL00004	07-SB-6	14	16				XYL 100	[UQ]				
032993LUK07SL00005	07-SB-6	18	20	NA	6400 -		TOL 13	[UQ]	Yes	NA		NA
032993LUK07SL00005	07-SB-6	18	20				EB 72	[UQ]				
032993LUK07SL00005	07-SB-6	18	20				XYL 290 -	[UQ]				
032993LUK07SL00006	07-SB-6	28	30	NA	8600 -		TOL 130	[UQ]	Yes	NA		NA
032993LUK07SL00006	07-SB-6	28	30				EB 110	[UQ]				
032993LUK07SL00006	07-SB-6	28	30				XYL 290 -	[UQ]				
032993LUK07SL00007	07-SB-6	38	40	NA	1800		TOL36	[UQ]	Yes	NA		NA
032993LUK07SL00007	07-SB-6	38	40				EB 37	[UQ]				
032993LUK07SL00007	07-SB-6	38	40				XYL 120	[UQ]				
032993LUK07SL00008	07-SB-6	48	50	NA	170		ND	[UQ]	No	NA		NA
032993LUK07SL00009	07-SB-6	58	60	NA	40		ND	[UQ]	No	NA		NA
032993LUK07SL00010	07-SB-6	68	70	NA	30		ND	[UQ]	No	NA		NA
032993LUK07SL00011	07-SB-6	78	80	NA	<10		ND	[UQ]	No	NA		NA
032993LUK07SL00012	07-SB-6	88	90	NA	<10		ND	[UQ]	No	NA		NA
032993LUK07SL00013	07-SB-6	98	100	NA	10		ND	[UQ]	No	NA		NA
080296LUK007 SL00002	07-SB-21	0	2	NA	200		ACE 0.52 J		NA	NA		NA
080296LUK007SL00001	07-SB-21	8	10	NA	1800		ACE 0.47 J		NA	NA		NA
080296LUK007SL00001	07-SB-21	8	10				EB 0.98					
080296LUK007SL00001	07-SB-21	8	10				TOL 0.086 J					
080296LUK007SL00001	07-SB-21	8	10				XYL 8.6 J					
080296LUK007 SL00003	07-SB-21	118	120	NA	ND		ACE 0.31 J		NA	NA		NA
080296LUK007 SL00004	07-SB-21	128	130	NA	ND		ACE 0.43 J		NA	NA		NA
080296LUK007 SL00004	07-SB-21	128	130				MCL 0.11 J					
080296LUK007 SL00005	07-SB-21	138	140	NA	11		MCL 0.061 J		NA	NA		NA
080296LUK007 SL00006	07-SB-21	148	150	NA	ND		ACE 0.41 J		NA	NA		NA
080296LUK007 SL00006	07-SB-21	148	150				MCL 0.065 J					
080296LUK007 SL00007	07-SB-22	0	2	NA	64		ACE 0.49 J		NA	NA		NA
080296LUK007 SL00009	07-SB-22	8	10	NA	ND		ND		NA	NA		NA
080296LUK007 SL00010	07-SB-22	118	120	NA	ND		ACE 0.49 J		NA	NA		NA
080396LUK007 SL00011(D)	07-SB-22	118	120	NA	ND		ACE 0.47 J		NA	NA		NA
080396LUK007 SL00012	07-SB-22	128	130	NA	ND		ACE 0.49 J		NA	NA		NA

Table 13-1. Non-Metal Constituents Results for Soil Samples Collected at FT-07E, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs
080396LUK007 SL00013	07-SB-22	138	140	NA	ND		ND		NA	NA		NA
080396LUK007 SL00014	07-SB-22	148	150	NA	ND		ND		NA	NA		NA
080596LUK007 SL00017	07-SB-23	0	2	NA	460		ND		NA	NA		NA
080596LUK007 SL00018	07-SB-23	8	10	NA	ND		ND		NA	NA		NA
080596LUK007 SL00019	07-SB-23	118	120	NA	ND		ND		NA	NA		NA
080596LUK007 SL00020	07-SB-23	128	130	NA	ND		ND		NA	NA		NA
080596LUK007 SL00021	07-SB-23	138	140	NA	ND		ACE 0.49 J		NA	NA		NA
081296LUK007 SL00042	07-SB-26	0	2	NA	1200		ND		NA	NA		NA
081296LUK007 SL00043	07-SB-26	8	10	NA	ND		ND		NA	NA		NA
081296LUK007 SL00044	07-SB-26	38	40	NA	ND		ND		NA	NA		NA
081296LUK007 SL00045(D)	07-SB-26	38	40	NA	ND		ND		NA	NA		NA
081296LUK007 SL00046	07-SB-26	48	50	NA	ND		ND		NA	NA		NA
081296LUK007 SL00048	07-SB-26	58	60	NA	ND		ND		NA	NA		NA
081296LUK007 SL00049	07-SB-26	68	70	NA	ND		ND		NA	NA		NA

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location
SB	Soil boring location
TP	Test pit location
SM	Solid waste matrix
MW	Monitoring well location
D	Duplicate sample
<	Less Than
NA	Not analyzed
ND	Not detected
TR	Trace amount; unquantifiable
*	Constituent detected in method blank
j	Data are considered estimated
r	Data are considered unusable
uj	Data are considered estimated and not detected at the reported value
f.comp	Composite from fine-grained sample
c.comp	Composite from coarse-grained sample
ACE	Acetone
ANT	Anthracene
BBP	Butylbenzylphthalate
BEP	Bis(2-ethylhexyl)phthalate
BNA's	Base/neutral and acid extractable compounds
BZ	Benzene
BZA	Benzo(a)anthracene
BZB	Benzo(b)fluoranthene
BZG	Benzo(g,h,i)perylene
TRPH	Total Recoverable Petroleum Hydrocarbons
VOCs	Volatile Organi Compounds
2MNAP	2-Methylnaphthalene
NAP	Naphthalene
XYL	Total Xylenes
PYR	Pyrene
BZK	Benzo(k)fluoranthene
BZP	Benzo(a)pyrene
CRY	Chryzene
DCE	1,1 Dichloroethene
EB	Ethyl benzene
FLU	Fluoranthene
DBA	Dibenzo(a,h)anthracene
DNB	Di-n-butyl phthalate
IND	Indeno(1,2,3-cd)pyrene
MEK	Methyl Ethyl Ketone
MIBK	Methyl Iso-Butyl Ketone
PHEN	Phenanthrene
TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
TOL	Toluene
PCE	Perchloroethene
[UQ]	ATI-Phoenix data of unknown quality as determined by the FFA Parties

Table 13-2. Metals Analytical Results for Soil Samples Collected at PSC FT-07E, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
062893LUK07SL00001	07-MW-118	100	102	ND	ND	175	ND	ND	12.8	16.7	ND	12.4	5	ND	ND	ND	28.5
062893LUK07SL00002	07-MW-118	150	152	ND	ND	96.8	ND	ND	5.5	11.7	ND	7.4	6	ND	ND	ND	14.9
062893LUK07SL00004	07-MW-118	200	202	ND	ND	259	ND	0.5	5	29.2	ND	25.1	11	ND	ND	ND	60.4
062893LUK07SL00005	07-MW-118	250	252	ND	ND	97.1	ND	0.4	11.6	11.6	ND	10.8	ND	ND	ND	ND	27.6
062893LUK07SL00006	07-MW-118	300	302	ND	ND	240	ND	0.4	26.6	36.0	ND	28.8	15	ND	ND	ND	69.0
062893LUK07SL00007D	07-MW-118	300	302	ND	ND	204	ND	0.3	20.3	26.9	ND	23.7	10	ND	ND	ND	56.9
062893LUK07SL00011	07-MW-118	348	350	ND	ND	186	0.4	ND	17.9	20.3	ND	21.9	12	ND	ND	ND	65.1
040393LUK07SL00061	07-SB-1	0	2	ND	8 -	141	ND	ND	17.2	22.1	ND	16.2	8	ND	ND	ND	32.7
040393LUK07SL00062	07-SB-1	8	10	ND	ND	92.7	ND	ND	9.7	12.4	ND	7.6	7	ND	ND	ND	18.6
040393LUK07SL00063	07-SB-1	18	20	ND	ND	80	ND	ND	10.8	10.6	ND	8.2	ND	ND	ND	ND	22.7
040393LUK07SL00064	07-SB-1	28	30	ND	ND	182	ND	ND	27.4	18.4	ND	14.5	10	ND	ND	ND	39.6
040393LUK07SL00065	07-SB-1	38	40	ND	ND	171	ND	ND	18.7	15	ND	12.7	7	ND	ND	ND	31
040393LUK07SL00066	07-SB-1	48	50	ND	ND	99.3	ND	ND	16.4	10	ND	7.6	ND	ND	ND	ND	19.5
040393LUK07SL00067	07-SB-1	58	60	ND	ND	94.8	ND	ND	17.7	15.6	ND	12.2	8	ND	ND	ND	30.5
040393LUK07SL00068	07-SB-1	68	70	ND	ND	109	ND	ND	15	13.8	ND	12.9	6	ND	ND	ND	28
040393LUK07SL00069	07-SB-1	78	80	ND	ND	94.6	ND	ND	15.1	14.2	ND	11.6	ND	ND	ND	ND	29.5
040393LUK07SL00070	07-SB-1	88	90	ND	10 -	333	ND	ND	34.6	44.7	ND	29.8	12	ND	ND	ND	71
040393LUK07SL00071	07-SB-1	98	100	ND	6 -	209	ND	ND	22.5	22.6	ND	16.9	5	ND	ND	ND	41.7
040593LUK07SL00073	07-SB-2	0	2	ND	6 -	90.3	ND	ND	32.1	19.5	ND	19	9	ND	ND	ND	28.9
040593LUK07SL00074D	07-SB-2	0	2	ND	6 -	107	ND	ND	28.2	22.6	ND	21	7	ND	ND	ND	31.1
040593LUK07SL00076	07-SB-2	8	10	ND	ND	68.5	ND	ND	12.1	13.6	ND	8	ND	ND	ND	ND	18.6
040593LUK07SL00077	07-SB-2	18	20	ND	ND	67.8	ND	ND	9.7	8.6	ND	6.4	ND	ND	ND	ND	18.5
040593LUK07SL00078	07-SB-2	28	30	ND	5 -	140	ND	ND	20.6	18.2	ND	13.1	6	ND	ND	ND	35.6
040593LUK07SL00079	07-SB-2	38	40	ND	10 -	186	ND	ND	32.2	25.8	ND	22.3	12	ND	ND	ND	58.8
040593LUK07SL00080	07-SB-2	48	50	ND	7 -	171	ND	ND	22.2	19.8	ND	16.9	9	ND	ND	ND	43.6
040593LUK07SL00081	07-SB-2	58	60	ND	6 -	120	ND	ND	20.6	17.6	ND	13.3	8	ND	ND	ND	34.9
040593LUK07SL00082	07-SB-2	68	70	ND	6 -	140	ND	ND	21.4	20.3	ND	14.8	8	ND	ND	ND	37.8
040593LUK07SL00083	07-SB-2	78	80	ND	ND	98.6	ND	ND	18.5	14.8	ND	11	5	ND	ND	ND	27.1
040593LUK07SL00084	07-SB-2	88	90	ND	8 -	319	ND	ND	39.2	45.8	ND	30.4	11	ND	ND	ND	70.4
040593LUK07SL00085	07-SB-2	98	100	ND	ND	194	ND	ND	22.5	21.8	ND	16.5	8	ND	ND	ND	42.8
040293LUK07SL00049	07-SB-3	0	2	ND	ND	86.8	ND	ND	9.4	15.5	ND	10.9	8	ND	ND	ND	112
040293LUK07SL00050	07-SB-3	8	10	ND	ND	70.8	ND	ND	5.6	8.1	ND	4.7	ND	ND	ND	ND	13.8
040293LUK07SL00051	07-SB-3	18	20	ND	ND	134	ND	ND	15	11.8	ND	11.3	6	ND	ND	ND	30.1
040293LUK07SL00052	07-SB-3	28	30	ND	ND	269	ND	ND	16.2	22	ND	14.7	10	ND	ND	ND	40.9
040293LUK07SL00053	07-SB-3	38	40	ND	ND	238	ND	ND	14.9	13.2	ND	11	ND	ND	ND	ND	28.1
040293LUK07SL00054	07-SB-3	48	50	ND	ND	133	ND	0.4	6.8	13.3	ND	10.7	8	ND	ND	ND	28.1
040293LUK07SL00055	07-SB-3	58	60	ND	ND	152	ND	ND	12.4	15.2	ND	11	6	ND	ND	ND	27.9
040293LUK07SL00056	07-SB-3	68	70	ND	ND	58.2	ND	ND	5.2	7.2	ND	6.7	ND	ND	ND	ND	15.6
040293LUK07SL00057	07-SB-3	78	80	ND	ND	145	ND	ND	10.4	14.3	ND	12.2	ND	ND	ND	ND	26.5
040293LUK07SL00058	07-SB-3	88	90	ND	6 -	245	ND	ND	36.1	39.1	ND	24.4	12	ND	ND	ND	55
040293LUK07SL00059	07-SB-3	98	100	ND	ND	283	ND	ND	21.7	30.6	ND	24	11	ND	ND	ND	51.9
033093LUK07SL00015	07-SB-4	0	2	ND	9 -	128	ND	ND	26.3	27.7	ND	20.2	18	ND	ND	ND	63.1
033093LUK07SL00015D	07-SB-4	0	2	ND	9 -	154	ND	ND	23	26.6	ND	19.1	19	ND	ND	ND	56.7
033093LUK07SL00018	07-SB-4	8	10	ND	ND	192	ND	ND	19.6	17.2	ND	14.7	9	ND	ND	ND	35.8
033093LUK07SL00019	07-SB-4	18	20	ND	ND	45.8	ND	ND	7.6	7.8	ND	6.1	7	ND	ND	ND	15.5
033093LUK07SL00020	07-SB-4	28	30	ND	6 -	77.1	ND	ND	18.6	15.4	0.1	12.8	8	ND	ND	ND	30.8
033093LUK07SL00021	07-SB-4	38	40	ND	8 -	153	ND	ND	27.4	16.8	ND	15.3	8	ND	ND	ND	37.7
033093LUK07SL00022	07-SB-4	48	50	ND	ND	72.5	ND	ND	10.3	8.1	ND	7.4	6	ND	ND	ND	17.4

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
033093LUK07SL00023	07-SB-4	58	60	ND	ND	112	ND	ND	14.7	14.4	ND	12.4	7	ND	ND	ND	28.1
033093LUK07SL00024	07-SB-4	68	70	ND	ND	73.5	ND	ND	26.1	9.5	ND	7	ND	ND	ND	ND	18.6
033093LUK07SL00025	07-SB-4	78	80	ND	6 -	139	ND	ND	11.1	13.3	ND	11	5	ND	ND	ND	25.2
033093LUK07SL00026	07-SB-4	88	90	ND	6 -	187	ND	ND	17.1	16.2	ND	13.1	6	ND	ND	ND	33.7
033093LUK07SL00027	07-SB-4	98	100	ND	9 -	308	ND	ND	26.5	27.5	ND	23.3	12	ND	ND	ND	58.3
033193LUK07SL00030	07-SB-5	0	2	ND	ND	129	ND	ND	14.7	15.4	ND	13.7	9	ND	ND	ND	31.6
033193LUK07SL00031D	07-SB-5	0	2	ND	ND	153	ND	ND	16	15.8	ND	12.8	9	ND	ND	ND	31.6
033193LUK07SL00033	07-SB-5	8	10	ND	ND	183	ND	ND	16.7	16.5	ND	15	8	ND	ND	ND	37.3
033193LUK07SL00034	07-SB-5	18	20	ND	ND	49.6	ND	ND	10	8	ND	6.3	ND	ND	ND	ND	15.7
033193LUK07SL00035	07-SB-5	28	30	ND	ND	198	ND	ND	19.8	20.3	ND	18.3	12	ND	ND	ND	45.8
033193LUK07SL00036	07-SB-5	38	40	ND	ND	155	ND	ND	27.3	17.5	ND	13.9	13	ND	ND	ND	37.2
033193LUK07SL00037D	07-SB-5	38	40	ND	ND	247	ND	ND	32	18.6	ND	13.9	8	ND	ND	ND	37.5
040193LUK07SL00042	07-SB-5	48	50	ND	ND	59.2	ND	ND	14.3	9.6	ND	8.4	8	ND	ND	ND	20
040193LUK07SL00043	07-SB-5	58	60	ND	ND	134	ND	ND	14.1	13.1	ND	10.9	8	ND	ND	ND	26.4
040193LUK07SL00044	07-SB-5	68	70	ND	6 *	149	ND	ND	18.6	15.6	ND	14.5	6	ND	ND	ND	32
040193LUK07SL00045	07-SB-5	78	80	ND	8 *	156	ND	ND	24.3	27.2	ND	19	14	ND	ND	ND	46.7
040193LUK07SL00046	07-SB-5	88	90	ND	ND	164	ND	ND	13.3	15	ND	11.5	7	ND	ND	ND	27.7
040193LUK07SL00047	07-SB-5	98	100	ND	7 *	234	ND	ND	19.4	22.8	ND	18.5	11	ND	ND	ND	45.6
032993LUK07SL00001	07-SB-6	0	2	ND	6 -	141	ND	ND	25.5	21.6	ND	20.1	73	ND	ND	ND	78.6
032993LUK07SL00002	07-SB-6	4	6	ND	6 -	190	ND	ND	23.3	21.7	ND	19.2	12	ND	ND	ND	46.4
032993LUK07SL00003	07-SB-6	8	10	ND	ND	209	ND	ND	21.9	19.6	ND	16.6	11	ND	ND	ND	41.3
032993LUK07SL00004	07-SB-6	14	16	ND	ND	105	ND	ND	8.3	11.4	ND	7.9	6	ND	ND	ND	17.6
032993LUK07SL00005	07-SB-6	18	20	ND	ND	41.8	ND	ND	6.3	6.6	ND	4.8	ND	ND	ND	ND	12.9
032993LUK07SL00006	07-SB-6	28	30	ND	ND	185	ND	ND	16.3	18.3	ND	13.3	7	ND	ND	ND	35.8
032993LUK07SL00007	07-SB-6	38	40	ND	ND	159	ND	ND	19	19.9	ND	14.7	6	ND	ND	ND	40.5
032993LUK07SL00008	07-SB-6	48	50	ND	ND	112	ND	ND	16.4	12.8	ND	11.2	ND	ND	ND	ND	25.6
032993LUK07SL00009	07-SB-6	58	60	ND	ND	135	ND	ND	20	14.5	ND	12.6	6	ND	ND	ND	30.2
032993LUK07SL00010	07-SB-6	68	70	ND	ND	72.2	ND	ND	13.8	10.7	ND	8.6	ND	ND	ND	ND	21.9
032993LUK07SL00011	07-SB-6	78	80	ND	ND	96.4	ND	ND	13.3	12.5	ND	9.3	6	ND	ND	ND	24.9
032993LUK07SL00012	07-SB-6	88	90	ND	ND	151	ND	ND	16	17.2	ND	13.5	9	ND	ND	ND	32.5
032993LUK07SL00013	07-SB-6	98	100	ND	ND	187	ND	ND	20.9	19.8	ND	17.2	7	ND	ND	ND	39.7

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location	Ag	Silver	Hg	Mercury	j	Data are considered estimated
SB	Soil boring location	As	Arsenic	Ni	Nickel	r	Data are considered unuseable
TP	Test pit location	Ba	Barium	Pb	Lead	uj	Data are considered estimated and not detected at the reported value
SM	Solid waste matrix	Be	Beryllium	Sb	Antimony		
MW	Monitoring well location	Cd	Cadmium	Se	Selenium		
D	Duplicate sample	Cr	Chromium	Tl	Thallium		
<	Less Than	Cu	Copper	Zn	Zinc		
NA	Not analyzed						
ND	Not detected						
TR	Trace amount; unquantifiable						
*	Constituent detected in method blank						

Table 20-2. Non-Metal Constituents Results for Soil Samples Collected at DP-13, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
030893LUK13SL00006	13-SB-1	0	2	NA	50		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
030893LUK13SL00007	13-SB-1	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)	<0.5
030893LUK13SL00008	13-SB-1	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)	<0.5
030893LUK13SL00009	13-SB-2	0	2	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)	<0.5
030893LUK13SL00010	13-SB-2	8	10	NA	680		ND	[UQ]	No	PHEN 1.2	[UQ]	Yes(r)	<0.5
030893LUK13SL00010	13-SB-2	8	10							FLU 1.2	[UQ]		
030893LUK13SL00010	13-SB-2	8	10							PYR 2.0	[UQ]		
030893LUK13SL00010	13-SB-2	8	10							CRY 1.1	[UQ]		
030893LUK13SL00010	13-SB-2	8	10							BZB 1.6	[UQ]		
030893LUK13SL00011	13-SB-2	14	16	NA	90		ND	[UQ]	No	PHEN 1.4	[UQ]	Yes(r)	<0.5
030893LUK13SL00011	13-SB-2	14	16							ANT 0.19	[UQ]		
030893LUK13SL00011	13-SB-2	14	16							FLU 2.4	[UQ]		
030893LUK13SL00011	13-SB-2	14	16							PYR 2.9	[UQ]		
030893LUK13SL00011	13-SB-2	14	16							BZA 1.1	[UQ]		
030893LUK13SL00011	13-SB-2	14	16							CRY 1.6	[UQ]		
030893LUK13SL00011	13-SB-2	14	16							BZB 2.5	[UQ]		
030893LUK13SL00011	13-SB-2	14	16							BZP 0.89	[UQ]		
030893LUK13SL00011	13-SB-2	14	16							IND 0.45	[UQ]		
030993LUK13SL00028	13-SB-2	18	20	NA	50		ND	[UQ]	No	BZG 0.58	[UQ]		
030893LUK13SL00012	13-SB-3	0	2	NA	120		ND	[UQ]	No	ND	[UQ]	Yes(r)	<0.5
030893LUK13SL00013	13-SB-3	8	10	NA	40		ND	[UQ]	No	ND	[UQ]	Yes(r)	<0.5
030893LUK13SL00013	13-SB-3	8	10							PYR 0.17	[UQ]	Yes(r)	<0.5
030893LUK13SL00013	13-SB-3	8	10							BZA 0.26	[UQ]		
030893LUK13SL00013	13-SB-3	8	10							CRY 0.54	[UQ]		
030893LUK13SL00013	13-SB-3	8	10							DNO-ND	j [UQ]		
030893LUK13SL00013	13-SB-3	8	10							BZB 0.46	j [UQ]		
030893LUK13SL00013	13-SB-3	8	10							BZG-ND	j [UQ]		
030893LUK13SL00013	13-SB-3	8	10							BZK-ND	j [UQ]		
030893LUK13SL00013	13-SB-3	8	10							BZP-ND	j [UQ]		
030893LUK13SL00013	13-SB-3	8	10							IND-ND	j [UQ]		
030893LUK13SL00014	13-SB-3	18	20	NA	<10		ND	[UQ]	No	DBA-ND	j [UQ]		
030893LUK13SL00015	13-SB-4	0	2	NA	290		ND	[UQ]	No	ND	[UQ]	Yes(r)	<0.5
030893LUK13SL00015	13-SB-4	0	2							PYR 0.90	[UQ]	No	<0.5
										BZB 1.4	[UQ]		

Table 20-2. Non-Metal Constituents Results for Soil Samples Collected at DP-13, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
030893LUK13SL00016	13-SB-4	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030893LUK13SL00017	13-SB-4	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030593LUK13SL00001	13-SB-5	0	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030593LUK13SL00002D	13-SB-5	0	2	NA	30		ND	[UQ]	No	ND	[UQ]	No	<0.5
030593LUK13SL00004	13-SB-5	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030593LUK13SL00005	13-SB-5	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030993LUK13SL00020	13-SB-6	0	2	NA	160		ND	[UQ]	No	ND	[UQ]	No	<0.5
030993LUK13SL00021	13-SB-6	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)	<0.5
030993LUK13SL00022	13-SB-6	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)	<0.5
030993LUK13SL00023	13-SB-7	0	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030993LUK13SL00024D	13-SB-7	0	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030993LUK13SL00026	13-SB-7	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
030993LUK13SL00027	13-SB-7	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
060293LUK13SL00031	13-SB-8	5	5	NA	1600		ND	[UQ]	No	ND	[UQ]	Yes(r)	<0.5
060293LUK13SL00032	13-SB-9	5	5	NA	1800		ND	[UQ]	No	ND	[UQ]	No	NA
060293LUK13SL00033	13-SB-10	5	5	NA	410		ND	[UQ]	No	ND	[UQ]	No	NA
110591LUK13SM00001	13-TP-01	1	1	NA	530		ND	[UQ]	No	ND	[UQ]	No	NA
110591LUK13SM00002D	13-TP-01	1	1	NA	730		ND	[UQ]	No	ND	[UQ]	No	<0.5
110591LUK13SM00004	13-TP-01	10	10	NA	90		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
110591LUK13SM00005	13-TP-02	2	2	NA	240		ND	[UQ]	No	ND	[UQ]	No	<0.5
110591LUK13SM00006	13-TP-02	5	5	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
110591LUK13SM00007	13-TP-03	2	3	NA	20		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
110591LUK13SM00008	13-TP-03	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
110591LUK13SM00009	13-TP-04	2	3	NA	10		ND	[UQ]	No	ND	[UQ]	No	<0.5
110591LUK13SM00010	13-TP-04	10	10	NA	10		ND	[UQ]	Yes	ND	[UQ]	Yes	<0.5
110691LUK13SM00012	13-TP-05	2	2	NA	50		ND	[UQ]	No	ND	[UQ]	No	<0.5
110691LUK13SM00013	13-TP-05	10	10	NA	20		ND	[UQ]	No	ND	[UQ]	No	<0.5
110691LUK13SM00014	13-TP-06	6	6	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
110691LUK13SM00015	13-TP-06	2	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5(j)
110691LUK13SM00016	13-TP-06	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	<0.5(j)
110691LUK13SM00017	13-TP-07	2	2	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	<0.5(j)
110691LUK13SM00018	13-TP-07	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5(j)
110691LUK13SM00019	13-TP-08	2	2	NA	100		ND	[UQ]	No	ND	[UQ]	No	<0.5
110691LUK13SM00020	13-TP-08	10	10	NA	<10		ACE	r [UQ]	No	ND	[UQ]	No	<0.5

Table 20-2. Non-Metal Constituents Results for Soil Samples Collected at DP-13, Operable Unit No. I, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
110691LUK13SM00021	13-TP-09	2	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
110691LUK13SM00022	13-TP-09	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
110691LUK13SM00023	13-TP-10	2	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
110691LUK13SM00024	13-TP-10	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
110791LUK13SM00026	13-TP-11	1	3	NA	90		ND	[UQ]	Yes	ND	[UQ]	Yes	<0.5
110791LUK13SM00027D	13-TP-11	1	3	NA	70		ND	[UQ]	Yes	ND	[UQ]	Yes	<0.5
110791LUK13SM00029	13-TP-11	10	10	NA	440		ND	[UQ]	Yes	ND	[UQ]	Yes	<0.5
110791LUK13SM00030	13-TP-11	10	10	NA	30		ND	[UQ]	Yes	ND	[UQ]	Yes	<0.5
110791-LUK13-SM00031	13-TP-12	6	6	NA	110		ND	[UQ]	Yes	FLU TR	[UQ]	Yes	<0.5
110791-LUK13-SM00031	13-TP-12	6	6							PYR TR	[UQ]		
110791-LUK13-SM00031	13-TP-12	6	6							BZA TR	[UQ]		
110791-LUK13-SM00031	13-TP-12	6	6							CRY 0.18	[UQ]		
110791-LUK13-SM00031	13-TP-12	6	6							BZB 0.42	[UQ]		
110791-LUK13-SM00031	13-TP-12	6	6							BZP 0.20 -	[UQ]		
110791-LUK13-SM00031	13-TP-12	6	6							IND 0.20	[UQ]		
110791-LUK13-SM00031	13-TP-12	6	6							DBA TR	[UQ]		
110791-LUK13-SM00031	13-TP-12	6	6							BZG 0.20	[UQ]		
110791-LUK13-SM00032	13-TP-12	10	10	NA	380		ND	[UQ]	Yes	AF-ND	r [UQ]		
110791-LUK13-SM00034	13-TP-12	5	5	NA	12,000 -		ND	[UQ]	Yes	ND	[UQ]	Yes	<0.5
110791LUK13SM00033	13-TP-12	3	3	NA	20		ND	[UQ]	Yes	ND	[UQ]	Yes	2.0
110791LUK13SM00033	13-TP-12	3	3							PHEN 0.12	[UQ]	Yes	<0.5
110791LUK13SM00033	13-TP-12	3	3							FLU 0.19	[UQ]		
110791LUK13SM00033	13-TP-12	3	3							PYR 0.27	[UQ]		
110791LUK13SM00033	13-TP-12	3	3							BZA 0.21	[UQ]		
110791LUK13SM00033	13-TP-12	3	3							CRY 0.23	[UQ]		
110791LUK13SM00033	13-TP-12	3	3							BZK 0.37	[UQ]		
110891-LUK13-SM00037	13-TP-13	2	2	NA	10		ND		No	ND		Yes	<0.5
110891-LUK13-SM00038	13-TP-13	10	10	NA	30		ND		No	ND		No	<0.5
110891-LUK13-SM00039	13-TP-14	6	6	NA	480		ND		No	ND	r	Yes	<0.5
110891-LUK13-SM00040	13-TP-14	4	4	NA	560		ND		No	ND		Yes	<0.5
110891-LUK13-SM00041	13-TP-14	10	10	NA	480		ND		No	AF-ND	r		
110891-LUK13-SM00041	13-TP-14	10	10							FLU TR		Yes	<0.5
										PYR TR			

Table 20-2. Non-Metal Constituents Results for Soil Samples Collected at DP-13, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
110891-LUK13-SM00041	13-TP-14	10	10							BZA TR			
110891-LUK13-SM00041	13-TP-14	10	10							CRY TR			
110891-LUK13-SM00041	13-TP-14	10	10							BZB 0.38			
110891-LUK13-SM00041	13-TP-14	10	10							BZP TR			
110891LUK13SM00042	13-TP-15	2	2	NA	<10		ND		No	ND		No	<0.5
110891LUK13SM00043	13-TP-15	10	10	NA	<10		ND		No	ND		No	<0.5
082396LUK013 SL00139	13-SB-11	8	10	NA	NA		ND		NA	ANT 0.055 J		NA	NA
082396LUK013 SL00139	13-SB-11	8	10							BZA 0.39			
082396LUK013 SL00139	13-SB-11	8	10							BZP 0.41 –			
082396LUK013 SL00139	13-SB-11	8	10							BZB 0.46			
082396LUK013 SL00139	13-SB-11	8	10							BZG 0.16 J			
082396LUK013 SL00139	13-SB-11	8	10							BZK 0.42 –			
082396LUK013 SL00139	13-SB-11	8	10							BEP 0.036 J			
082396LUK013 SL00139	13-SB-11	8	10							CAR 0.051 J			
082396LUK013 SL00139	13-SB-11	8	10							CRY 0.45			
082396LUK013 SL00139	13-SB-11	8	10							DBA 0.076 J			
082396LUK013 SL00139	13-SB-11	8	10							FLU 0.75			
082396LUK013 SL00139	13-SB-11	8	10							IND 0.18 J			
082396LUK013 SL00139	13-SB-11	8	10							PHEN 0.33 J			
082396LUK013 SL00139	13-SB-11	8	10							PYR 0.73			
082396LUK013 SL00140	13-SB-11	15	17	NA	NA		ND		NA	ACEN 0.13 J		NA	NA
082396LUK013 SL00140	13-SB-11	15	17							ANT 0.19 J			
082396LUK013 SL00140	13-SB-11	15	17							BZA 0.64 –			
082396LUK013 SL00140	13-SB-11	15	17							BZP 0.56 –			
082396LUK013 SL00140	13-SB-11	15	17							BZB 0.63 –			
082396LUK013 SL00140	13-SB-11	15	17							BZG 0.22 J			
082396LUK013 SL00140	13-SB-11	15	17							BZK 0.63 –			
082396LUK013 SL00140	13-SB-11	15	17							CAR 0.25 J			
082396LUK013 SL00140	13-SB-11	15	17							CRY 0.67			
082396LUK013 SL00140	13-SB-11	15	17							DBA 0.11 J			
082396LUK013 SL00140	13-SB-11	15	17							DBF 0.04 J			
082396LUK013 SL00140	13-SB-11	15	17							FLU 1.8			
082396LUK013 SL00140	13-SB-11	15	17							FLO 0.078 J			
082396LUK013 SL00140	13-SB-11	15	17							IND 0.25 J			

Table 20-2. Non-Metal Constituents Results for Soil Samples Collected at DP-13, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
082396LUK013 SL00140	13-SB-11	15	17							PHEN 0.96			
082396LUK013 SL00140	13-SB-11	15	17							PYR 1.5			
082396LUK013 SL00141	13-SB-12	8	10	NA	NA		ND		NA	ND		NA	NA
082396LUK013 SL00142	13-SB-12	14	16	NA	NA		ND		NA	ND		NA	NA
082396LUK013 SL00145	13-SB-13	0	2	NA	NA		ND		NA	ND		NA	NA
082396LUK013 SL00146	13-SB-14	0	2	NA	NA		ND		NA	ND		NA	NA

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location
SB	Soil boring location
TP	Test pit location
SM	Solid waste matrix
MW	Monitoring well location
D	Duplicate sample
<	Less Than
NA	Not analyzed
ND	Not detected
TR	Trace amount; unquantifiable
*	Constituent detected in method blank
j	Data are considered estimated
r	Data are considered unusable
uj	Data are considered estimated and not detected at the reported value
f.comp	Composite from fine-grained sample
c.comp	Composite from coarse-grained sample
ACE	Acetone
ANT	Anthracene
BBP	Butylbenzylpthalate
BEP	Bis(2-ethylhexyl)pthalate
BNA's	Base/neutral and acid extractable compounds
BZ	Benzene
BZA	Benzo(a)anthracene
BZB	Benzo(b)fluoranthene
BZG	Benzo(g,h,i)perylene
TRPH	Total Recoverable Petroleum Hydrocarbons
VOCs	Volatile Organi Compounds
2MNA	2-Methylnaphthalene
NAP	Naphthalene
XYL	Total Xylenes
PYR	Pyrene
BZK	Benzo(k)fluoranthene
BZP	Benzo(a)pyrene
CRY	Chryzene
DCE	1,1 Dichloroethene
EB	Ethyl benzene
FLU	Fluoranthene
DBA	Dibenzo(a,h)anthracene
DNB	Di-n-butyl phthalate
IND	Indeno(1,2,3-cd)pyrene
MEK	Methyl Ethyl Ketone
MIBK	Methyl Iso-Butyl Ketone
PHEN	Phenanthrene
TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
TOL	Toluene
PCE	Perchloroethene
[UQ]	ATI-Phoenix data of unknown quality as determined by the FFA Parties

Table 20-3. Metals Analytical Results for Soil Samples Collected at PSC DP-13, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
030893LUK13SL00006	13-SB-1	0	2	ND	ND	484	0.7	0.4	29.7	21.8	ND	18.5	139	ND	ND	ND	63.1
030893LUK13SL00007	13-SB-1	8	10	ND	ND	218	0.8	ND	24.4	18	ND	17.4	15	ND	ND	ND	46.5
030893LUK13SL00008	13-SB-1	18	20	ND	ND	61.8	ND	ND	9	7.5	ND	6.7	7	ND	ND	ND	17.1
030893LUK13SL00009	13-SB-2	0	2	ND	ND	152	0.8	ND	24.9	19.3	ND	17.6	19	ND	ND	ND	46.8
030893LUK13SL00010	13-SB-2	8	10	ND	ND	139	0.6	ND	21.4	26.6	ND	17	18	ND	ND	ND	41.2
030893LUK13SL00011	13-SB-2	18	20	ND	5 -	126	0.4	ND	16.3	14.9	ND	12.8	17	ND	ND	ND	27.9
030993LUK13SL00028	13-SB-2	18	20	ND	7 -	82.6	ND	ND	8.4	9.9	ND	7.2	ND	ND	ND	ND	16.1
030893LUK13SL00012	13-SB-3	0	2	ND	9 -	150	0.7	ND	22.2	22	ND	17.7	23	ND	ND	ND	54
030893LUK13SL00013	13-SB-3	8	10	ND	13 -	149	0.8	ND	23.5	39.6	ND	20.2	24	ND	ND	ND	57.6
030893LUK13SL00014	13-SB-3	18	20	ND	ND	75.8	ND	ND	10.8	9	ND	8.6	8	ND	ND	ND	21.9
030893LUK13SL00015	13-SB-4	0	2	ND	17 -	310	0.7	ND	23.6	21.1	ND	19.5	28	ND	ND	ND	55.3
030893LUK13SL00016	13-SB-4	8	10	ND	13 -	195	0.6	ND	14.4	14.4	ND	14.7	14	ND	ND	ND	39
030893LUK13SL00017	13-SB-4	18	20	ND	ND	57.5	ND	ND	8.2	8	ND	7	7	ND	ND	ND	17.1
030593LUK13SL00001	13-SB-5	0	2	ND	ND	140(j)	ND	ND	22.2	19.3	ND	16.9	13	ND	ND	ND	43.6
030593LUK13SL00002D	13-SB-5	0	2	ND	ND	340(j)	ND	ND	28.2	25	ND	20	14	ND	ND	ND	56.2
030593LUK13SL00004	13-SB-5	8	10	ND	ND	144	ND	ND	25.4	18.9	ND	16.1	16	ND	ND	ND	40.7
030593LUK13SL00005	13-SB-5	18	20	ND	ND	116	ND	ND	19.2	14.2	ND	11.9	7	ND	ND	ND	27.4
030993LUK13SL00020	13-SB-6	0	2	ND	9 -	107	0.5	ND	14.6	14.9	ND	12	8	ND	ND	ND	31.6
030993LUK13SL00021	13-SB-6	8	10	ND	ND	141	ND	ND	13.6	14.1	ND	11.1	6	ND	ND	ND	28.2
030993LUK13SL00022	13-SB-6	18	20	ND	6 -	110	0.6	ND	13.8	14.4	ND	12.9	6	ND	ND	ND	35.2
030993LUK13SL00023	13-SB-7	0	2	ND	12 -	114	0.6	ND	16.8	16.8	ND	13.7	9	ND	ND	ND	37
030993LUK13SL00024D	13-SB-7	0	2	ND	8 -	135	0.7	ND	20.5	19.6	ND	16.1	11	ND	ND	ND	42.7
030993LUK13SL00026	13-SB-7	8	10	ND	7 -	151	0.7	ND	16.5	18.2	ND	13.3	8	ND	ND	ND	34
030993LUK13SL00027	13-SB-7	18	20	ND	8 -	50.2	ND	ND	7.5	7.4	ND	4.7	6	ND	ND	ND	14.6
060293LUK13SL00031	13-SB-8	5	5	ND	ND	127	ND	ND	21.6	21.9	0.1	20.8	26	ND	ND	ND	64.4
060293LUK13SL00032	13-SB-9	5	5	ND	ND	116	ND	ND	16.9	18.7	ND	17.8	18	ND	ND	ND	63.1
060293LUK13SL00033	13-SB-10	5	5	ND	ND	121	ND	ND	17.1	18.1	ND	15.9	16	ND	ND	ND	44.4
110591LUK13SM00001	13-TP-01	1	1	ND	ND	167	ND	ND	9.7	14.9	ND	13	11	ND(uj)	ND	ND	39.5
110591LUK13SM00002D	13-TP-01	1	1	ND	ND	120	ND	ND	9.1	16.2	ND	12	10	ND(uj)	ND	ND	37.1
110591LUK13SM00004	13-TP-01	10	10	ND	ND	170	0.5	ND	11.2	16.8	ND	14	10	ND(uj)	ND	ND	38.5
110591LUK13SM00005	13-TP-02	2	2	ND	ND	113	ND	ND	9.3	14.7	ND	12	9	ND(uj)	ND	ND	32.6
110591LUK13SM00006	13-TP-02	5	5	ND	ND	61.2	ND	ND	8.4	12.9	ND	10	ND	ND(uj)	ND	ND	24.1
110591LUK13SM00007	13-TP-03	2	3	ND	ND	112	ND	ND	8.2	12.9	ND	10	6	ND(uj)	ND	ND	26.3
110591LUK13SM00008	13-TP-03	10	10	ND	ND	68.6	0.5	ND	4.7	11.3	ND	7	6	ND(uj)	ND	ND	15.2
110591LUK13SM00009	13-TP-04	2	3	ND	ND	94.8	ND	ND	13.6	14.0	ND	11	7	ND(uj)	ND	ND	23.7
110591LUK13SM00010	13-TP-04	10	10	ND	ND	118	ND	ND	9.9	17.8	ND	12	9	ND(uj)	ND	ND	31.6
110691LUK13SM00012	13-TP-05	2	2	ND	ND	125	ND	ND	12.4	17.7	ND	17	13	ND(uj)	ND	ND	35.0
110691LUK13SM00013	13-TP-05	10	10	ND	ND	127	ND	ND	12.5	18.3	ND	15	11	ND(uj)	ND	ND	34.1
110691LUK13SM00014	13-TP-06	6	6	ND	ND	176	ND	ND	15.4	20.4	ND	16	13	ND(uj)	ND	ND	37.1
110691LUK13SM00015	13-TP-06	2	2	ND	ND	152	0.6	ND	13.5	20.3	ND	16	11	ND(uj)	ND	ND	33.5
110691LUK13SM00016	13-TP-06	10	10	ND	ND	55.7	ND	ND	4.4	9.6	ND	7	6	ND(uj)	ND	ND	13.0
110691LUK13SM00017	13-TP-07	2	2	ND	9 -	138	ND	ND	11.7	20.4	ND	14	11	ND(uj)	ND	ND	33.4
110691LUK13SM00018	13-TP-07	10	10	ND	ND	154	ND	ND	2.9	6.1	ND	4	ND	ND(uj)	ND	ND	11.4

Table 20-3. Metals Analytical Results for Soil Samples Collected at PSC DP-13, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
110691LUK13SM00019	13-TP-08	2	2	ND	ND	126	ND	ND	11.4	17.9	ND	14	12	ND(uj)	ND	ND	33.0
110691LUK13SM00020	13-TP-08	10	10	ND	ND	34.0	ND	ND	4.1	7.8	ND	6	7	ND(uj)	ND	ND	14.0
110691LUK13SM00021	13-TP-09	2	2	ND	ND	127	ND	ND	10.9	14.5	ND	13	9	ND(uj)	ND	ND	27.5
110691LUK13SM00022	13-TP-09	10	10	ND	ND	176	ND	ND	11.9	17.4	ND	14	12	ND(uj)	ND	ND	35.8
110691LUK13SM00023	13-TP-10	2	2	ND	ND	98.1	ND	ND	12.2	24.1	ND	15	13	ND(uj)	ND	ND	31.0
110691LUK13SM00024	13-TP-10	10	10	ND	ND	119	ND	ND	10.0	13.0	ND	12	8	ND(uj)	ND	ND	25.0
110791LUK13SM00026	13-TP-11	1	3	ND	ND	116	ND	ND	10.8	14.4	ND	11	9	ND(uj)	ND	ND	29.6
110791LUK13SM00027D	13-TP-11	1	3	ND	ND	116	ND	ND	10.4	13.4	ND	11	10	ND(uj)	ND	ND	29.7
110791LUK13SM00029	13-TP-11	10	10	ND	ND	142	ND	ND	15.3	21.1	ND	19	27	ND(uj)	ND	ND	57.8
110791LUK13SM00030	13-TP-11	10	10	ND	ND	137	ND	ND	14.9	21.6	ND	18	13	ND(uj)	ND	ND	43.0
110791LUK13SM00031	13-TP-12	6	6	ND	7	94.7	ND	ND	23.4	3900	ND	16	51	ND(uj)	ND	ND	183
110791LUK13SM00032	13-TP-12	10	10	ND	ND	132	ND	ND	15.2	37.6	ND	17	21	ND(uj)	ND	ND	48.8
110791LUK13SM00033	13-TP-12	3	3	ND	ND	129	ND	ND	24.9	22.8	ND	14	73	ND(uj)	ND	ND	45.7
110791LUK13SM00034	13-TP-12	5	5	ND	19	78.9	ND	2.0	15900	35.6	ND	4	36000	7	ND	ND	167
110891LUK13SM00037	13-TP-13	2	2	ND	ND	128	ND	ND	14.4	18.2	ND	14	12	ND(uj)	ND	ND	33.4
110891LUK13SM00038	13-TP-13	10	10	ND	ND	101	ND	ND	9.9	13.2	ND	10	9	ND(uj)	ND	ND	26.7
110891LUK13SM00039	13-TP-14	6	6	ND	ND	132	ND	28.6	19.5	1340	ND	22	42	ND(uj)	ND	ND	76.2
110891LUK13SM00040	13-TP-14	4	4	ND	ND	126	ND	ND	12.6	25.6	ND	18	24	ND(uj)	ND	ND	56.0
110891LUK13SM00041	13-TP-14	10	10	ND	ND	133	ND	ND	13.5	22.7	ND	17	26	ND(uj)	ND	ND	50.3
110891LUK13SM00042	13-TP-15	2	2	ND	ND	103	ND	ND	10.4	21.2	ND	12	10	ND(uj)	ND	ND	28.3
110891LUK13SM00043	13-TP-15	10	10	ND	ND	164	ND	ND	12.6	19.5	ND	14	8	ND(uj)	ND	ND	34.5

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location	Ag	Silver	Hg	Mercury	j	Data are considered estimated	NA	Not analyzed
SB	Soil boring location	As	Arsenic	Ni	Nickel	r	Data are considered unusable	ND	Not detected
TP	Test pit location	Ba	Barium	Pb	Lead	uj	Data are considered estimated and not detected at the reported value	TR	Trace amount; unquantifiable
SM	Solid waste matrix	Be	Beryllium	Sb	Antimony			*	Constituent detected in method blank
MW	Monitoring well location	Cd	Cadmium	Se	Selenium				
D	Duplicate sample	Cr	Chromium	Tl	Thallium				
<	Less Than	Cu	Copper	Zn	Zinc				

Table 21-2. Non-Metal Constituents Results for Soil Samples Collected at LF-14, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
102891LUK14SL00002D	14-SB-01	0	2	ND	NA		ND		No	PHEN 0.19		No	NA
102891LUK14SL00002D	14-SB-01	0	2							FLU 0.27			
102891LUK14SL00002D	14-SB-01	0	2							PYR 0.21			
102891LUK14SL00002D	14-SB-01	0	2							BZA <0.17 TR			
102891LUK14SL00002D	14-SB-01	0	2							CRY <0.17 TR			
102891LUK14SL00002D	14-SB-01	0	2							IND <0.17 TR			
102891LUK14SL00002D	14-SB-01	0	2							BZK <0.17 TR			
102891LUK14SL00002D	14-SB-01	0	2							BZB <0.17 TR			
102891LUK14SL00001	14-SB-01	0	2	ND	NA		ND		No	ND		No	NA
102891LUK14SL00004	14-SB-01	5	15	ND	NA		ND		No	ND		No	NA
102891LUK14SL00005	14-SB-01	15	25	ND	NA		ND		No	ND		No	NA
102891LUK14SL00006	14-SB-01	25	35	ND	NA		ND		No	ND		No	NA
102891LUK14SL00007	14-SB-01	35	45	ND	NA		ND		No	ND		No	NA
102891LUK14SL00008	14-SB-02	0	2	0.74	NA		ND		No	ND		No	NA
102891LUK14SL00009	14-SB-02	5	15	0.17	NA		ND		No	ND		No	NA
102891LUK14SL00010	14-SB-02	15	25	ND	NA		ND		No	ND		No	NA
102891LUK14SL00011	14-SB-02	25	35	ND	NA		ND		No	ND		No	NA
102891LUK14SL00012	14-SB-02	35	45	ND	NA		ND		No	ND		No	NA
102991LUK14SL00015	14-SB-03	0	2	13	NA		ND		No	FLU 0.2		Yes	NA
102991LUK14SL00015	14-SB-03	0	2							BZA 0.2			
102991LUK14SL00015	14-SB-03	0	2							CRY 0.2			
102991LUK14SL00015	14-SB-03	0	2							BZB 0.5			
102991LUK14SL00015	14-SB-03	0	2							BZP 0.3			
102991LUK14SL00015	14-SB-03	0	2							IND 0.3			
102991LUK14SL00015	14-SB-03	0	2							BZG 0.2			
102991LUK14SL00016	14-SB-03	5	15	3.6	NA		ND		No	FLU 0.2		Yes	NA
102991LUK14SL00016	14-SB-03	5	15							PYR <0.17 TR			
102991LUK14SL00016	14-SB-03	5	15							BZA <0.17 TR			
102991LUK14SL00016	14-SB-03	5	15							CRY <0.17 TR			
102991LUK14SL00016	14-SB-03	5	15							BZB 0.2			
102991LUK14SL00016	14-SB-03	5	15							BZP <0.17 TR			
102991LUK14SL00016	14-SB-03	5	15							IND <0.17 TR			
102991LUK14SL00016	14-SB-03	5	15							BZG <0.17 TR			
102991LUK14SL00017	14-SB-03	15	25	ND	NA		ND		No	ND		No	NA
103091LUK14SL00018	14-SB-03	25	35	ND	NA		ND		No	DNB 0.19		No	NA

Table 21-2. Non-Metal Constituents Results for Soil Samples Collected at LF-14, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
103091LUK14SL00019	14-SB-03	35	45	ND	NA		ND		No	ND		Yes	NA
103091LUK14SL00021	14-SB-04	0	2	1.5 –	NA		ND		No	BBP 0.19		Yes	NA
103091LUK14SL00022	14-SB-04	5	15	0.035	NA		ND		Yes	ND		Yes	NA
103091LUK14SL00023	14-SB-04	15	25	ND	NA		ND		No	ND		No	NA
103091LUK14SL00024	14-SB-04	25	35	ND	NA		ND		No	ND		No	NA
103091LUK14SL00025	14-SB-04	35	45	ND	NA		ND		No	ND		No	NA
103191LUK14SL00027	14-SB-05	0	2	0.2	NA		ND	[UQ]	No	ND	[UQ]	Yes	NA
103191LUK14SL00028D	14-SB-05	0	2	0.2	NA		ND	[UQ]	No	ND	[UQ]	Yes	NA
103191LUK14SL00030	14-SB-05	5	15	ND	NA		ND	[UQ]	No	ND	[UQ]	No	NA
103191LUK14SL00031	14-SB-05	15	25	ND	NA		ND	[UQ]	No	ND	[UQ]	No	NA
103191LUK14SL00032	14-SB-05	25	35	ND	NA		ND	[UQ]	No	ND	[UQ]	No	NA
103191LUK14SL00033	14-SB-05	35	45	ND	NA		ND	[UQ]	No	ND	[UQ]	No	NA
102891LUK14SM00004	14-TP-1	2	2	ND	30		ND		No	ND		No	<0.5
102891LUK14SM00003	14-TP-1	10	10	ND	<10		ND		No	ND		No	<0.5
102891LUK14SM00002	14-TP-2	1	1	ND	1400		ND		Yes	ND		Yes	<0.5
102891LUK14SM00001	14-TP-2	4	4	ND	52		ND		No	ND		Yes	<0.5
102991LUK14SM00008	14-TP-3	1	2	ND	79		ND		No	ND		Yes	<0.5
102991LUK14SM00009	14-TP-3	10	10	ND	<10		ND		No	ND		No	<0.5
102991LUK14SM00010D	14-TP-3	10	10	ND	<10		ND		No	ND		No	<0.5
102991LUK14SM00007	14-TP-4	1	2	ND	<10		ND		No	ND		No	<0.5
102991LUK14SM00006	14-TP-4	10	10	ND	<10		ND		No	ND		No	<0.5
031093LUK14SL00001	14-SB-06	0	2	NA	<10		NA		NA	ND	[UQ]	Yes	<0.5
031093LUK14SL00002	14-SB-06	8	10	NA	<10		NA		NA	ND	[UQ]	Yes	<0.5
031093LUK14SL00003	14-SB-06	18	20	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031093LUK14SL00004	14-SB-06	28	30	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031093LUK14SL00005	14-SB-06	38	40	NA	<10		NA		NA	ND	[UQ]	No	<0.5
040693LUK14SL00035	14-SB-10	0	1	ND	NA		NA		NA	NA		NA	NA
040693LUK14SL00036	14-SB-10	1	2	ND	NA		NA		NA	NA		NA	NA
040693LUK14SL00037	14-SB-11	0	1	0.7 –	NA		NA		NA	NA		NA	NA
040693LUK14SL00038	14-SB-11	1	2	0.04	NA		NA		NA	NA		NA	NA
040693LUK14SL00039	14-SB-12	0	1	0.67 –	NA		NA		NA	NA		NA	NA
040693LUK14SL00040	14-SB-12	1	2	0.03	NA		NA		NA	NA		NA	NA
040693LUK14SL00041	14-SB-13	0	1	0.3 –	NA		NA		NA	NA		NA	NA
040693LUK14SL00042	14-SB-13	1	2	ND	NA		NA		NA	NA		NA	NA
040693LUK14SL00043	14-SB-14	0	1	0.04	NA		NA		NA	NA		NA	NA

Table 21-2. Non-Metal Constituents Results for Soil Samples Collected at LF-14, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
040693LUK14SL00044	14-SB-14	1	2	ND	NA		NA		NA	NA		NA	NA
040693LUK14SL00045	14-SB-15	0	1	0.03	NA		NA		NA	NA		NA	NA
040693LUK14SL00046D	14-SB-15	0	1	0.04	NA		NA		NA	NA		NA	NA
040693LUK14SL00048	14-SB-15	1	2	ND	NA		NA		NA	NA		NA	NA
031593LUK14SL00013D	14-SB-07	38	40	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031093LUK14SL00006	14-SB-07	0	2	NA	200		NA		NA	ND	[UQ]	Yes	<0.5
031093LUK14SL00007	14-SB-07	8	10	NA	20		NA		NA	ND	[UQ]	No	<0.5
031093LUK14SL00008	14-SB-07	18	20	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031193LUK14SL00010	14-SB-07	28	30	NA	110		NA		NA	ND	[UQ]	Yes	<0.5
031593LUK14SL00012	14-SB-07	38	40	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031593LUK14SL00015	14-SB-08	0	2	NA	2400		NA		NA	ND	[UQ]	Yes	2
031593LUK14SL00016	14-SB-08	8	10	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031593LUK14SL00017	14-SB-08	18	20	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031593LUK14SL00018	14-SB-08	28	30	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031593LUK14SL00019	14-SB-08	38	40	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031593LUK14SL00020	14-SB-09	0	2	NA	180		NA		NA	ND	[UQ]	Yes	<0.5
031593LUK14SL00021	14-SB-09	8	10	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031593LUK14SL00022	14-SB-09	18	20	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031693LUK14SL00023	14-SB-09	28	30	NA	<10		NA		NA	ND	[UQ]	No	<0.5
031693LUK14SL00024	14-SB-09	38	40	NA	<10		NA		NA	ND	[UQ]	No	<0.5
042093LUK14SL00061	14-SB-08	0	2	37 –	NA		NA		NA	NA		NA	NA
042093LUK14SL00062	14-SB-08	2	4	0.4 –	NA		NA		NA	NA		NA	NA
042093LUK14SL00063	14-SB-08	8	10	91 –	NA		NA		NA	NA		NA	NA
042093LUK14SL00064	14-SB-08	18	20	2300 –	NA		NA		NA	NA		NA	NA
042093LUK14SL00065	14-SB-08	28	30	0.18	NA		NA		NA	NA		NA	NA
042093LUK14SL00066	14-SB-08	38	40	0.12	NA		NA		NA	NA		NA	NA
042093LUK14SL00067	14-SB-09	0	2	0.57 –	NA		NA		NA	NA		NA	NA
042093LUK14SL00068	14-SB-09	8	10	0.27 –	NA		NA		NA	NA		NA	NA
042093LUK14SL00069	14-SB-09	18	20	0.03	NA		NA		NA	NA		NA	NA
042093LUK14SL00070	14-SB-09	28	30	0.14	NA		NA		NA	NA		NA	NA
042093LUK14SL00071	14-SB-09	38	40	ND	NA		NA		NA	NA		NA	NA
041993LUK14SL00049	14-SB-06	0	2	ND	NA		NA		NA	NA		NA	NA
041993LUK14SL00050D	14-SB-06	0	2	ND	NA		NA		NA	NA		NA	NA
041993LUK14SL00052	14-SB-06	8	10	ND	NA		NA		NA	NA		NA	NA
041993LUK14SL00053	14-SB-06	18	20	ND	NA		NA		NA	NA		NA	NA

Table 21-2. Non-Metal Constituents Results for Soil Samples Collected at LF-14, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
041993LUK14SL00054	14-SB-06	28	30	ND	NA		NA		NA	NA		NA	NA
041993LUK14SL00055	14-SB-06	38	40	ND	NA		NA		NA	NA		NA	NA
041993LUK14SL00056	14-SB-07	0	2	0.16	NA		NA		NA	NA		NA	NA
041993LUK14SL00057	14-SB-07	8	10	0.03	NA		NA		NA	NA		NA	NA
041993LUK14SL00058	14-SB-07	18	20	ND	NA		NA		NA	NA		NA	NA
041993LUK14SL00059	14-SB-07	28	30	ND	NA		NA		NA	NA		NA	NA
041993LUK14SL00060	14-SB-07	38	40	0.06	NA		NA		NA	NA		NA	NA
081093LUK14SL00001	14-SB-16	0	2	0.13	NA		NA		NA	NA		NA	NA
081093LUK14SL00002	14-SB-16	8	10	0.03	NA		NA		NA	NA		NA	NA
081093LUK14SL00003	14-SB-16	13	15	ND	NA		NA		NA	NA		NA	NA
081093LUK14SL00004	14-SB-16	18	20	ND	NA		NA		NA	NA		NA	NA
081093LUK14SL00005D	14-SB-16	18	20	ND	NA		NA		NA	NA		NA	NA
081093LUK14SL00007	14-SB-16	23	25	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00008	14-SB-16	28	30	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00009	14-SB-16	33	35	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00010	14-SB-16	38	40	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00011	14-SB-17	0	2	1.2	NA		NA		NA	NA		NA	NA
081193LUK14SL00012	14-SB-17	8	10	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00013	14-SB-17	13	15	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00014	14-SB-17	18	20	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00015	14-SB-17	23	25	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00016	14-SB-17	28	30	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00017	14-SB-17	33	35	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00018	14-SB-17	38	40	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00019	14-SB-19	0	2	0.41	NA		NA		NA	NA		NA	NA
081193LUK14SL00020	14-SB-19	8	10	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00021	14-SB-19	13	15	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00022	14-SB-19	18	20	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00023	14-SB-19	28	30	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00024	14-SB-19	33	35	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00025	14-SB-19	38	40	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00026	14-SB-18	0	2	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00027	14-SB-18	8	10	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00028	14-SB-18	13	15	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00029	14-SB-18	13	15	ND	NA		NA		NA	NA		NA	NA

Table 21-2. Non-Metal Constituents Results for Soil Samples Collected at LF-14, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
081193LUK14SL00031	14-SB-18	18	20	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00032	14-SB-18	23	25	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00033	14-SB-18	28	30	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00034	14-SB-18	33	35	ND	NA		NA		NA	NA		NA	NA
081193LUK14SL00035	14-SB-18	38	40	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00036	14-SB-20	0	2	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00037D	14-SB-20	0	2	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00039	14-SB-20	8	10	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00040	14-SB-20	18	20	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00041	14-SB-20	28	30	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00042	14-SB-20	38	40	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00043	14-SB-21	0	2	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00044	14-SB-21	8	10	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00045	14-SB-21	18	20	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00046	14-SB-21	28	30	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00047	14-SB-21	38	40	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00048	14-SB-22	0	2	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00049	14-SB-22	8	10	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00050	14-SB-22	18	20	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00051	14-SB-22	28	30	ND	NA		NA		NA	NA		NA	NA
081293LUK14SL00052	14-SB-22	38	40	ND	NA		NA		NA	NA		NA	NA
081393LUK14SL00053	14-SB-23	0	2	ND	NA		NA		NA	NA		NA	NA
081393LUK14SL00054	14-SB-23	8	10	ND	NA		NA		NA	NA		NA	NA
081393LUK14SL00055D	14-SB-23	8	10	ND	NA		NA		NA	NA		NA	NA
081393LUK14SL00057	14-SB-23	18	20	ND	NA		NA		NA	NA		NA	NA
081393LUK14SL00058	14-SB-23	28	30	ND	NA		NA		NA	NA		NA	NA
081393LUK14SL00059	14-SB-23	38	40	ND	NA		NA		NA	NA		NA	NA
081393LUK14SL00060	14-SB-24	0	2	ND	NA		NA		NA	NA		NA	NA
081393LUK14SL00061	14-SB-24	8	10	ND	NA		NA		NA	NA		NA	NA
081393LUK14SL00062	14-SB-24	18	20	ND	NA		NA		NA	NA		NA	NA
081393LUK14SL00063	14-SB-24	28	30	ND	NA		NA		NA	NA		NA	NA
081393LUK14SL00064	14-SB-24	38	40	ND	NA		NA		NA	NA		NA	NA
082696LUK014SL00170	14-SB-25	0	2	NA	NA		NA		NA	NA		NA	NA
082696LUK014SL00170	14-SB-25	0	2							BZP 0.042 J		NA	NA
082696LUK014SL00170	14-SB-25	0	2							BZB 0.042 J			
										BZK 0.048 J			

Table 21-2. Non-Metal Constituents Results for Soil Samples Collected at LF-14, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
082696LUK014SL00170	14-SB-25	0	2							CRY 0.039 J			
082696LUK014SL00170	14-SB-25	0	2							FLU 0.045 J			
082696LUK014SL00170	14-SB-25	0	2							PYR 0.04 J			
082696LUK014SL00171	14-SB-25	8	10	NA	NA		ND		NA	ND		NA	NA
082696LUK014SL00172 (D)	14-SB-25	8	10	NA	NA		ND		NA	ND		NA	NA
082696LUK014SL00173	14-SB-26	0	2	NA	NA		ND		NA	ND		NA	NA
082696LUK014SL00174	14-SB-26	8	10	NA	NA		XYL 0.24 J		NA	BBP 23		NA	NA
082696LUK014SL00175(D)	14-SB-26	8	10	NA	NA		ND		NA	BBP 18		NA	NA

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location
SB	Soil boring location
TP	Test pit location
SM	Solid waste matrix
MW	Monitoring well location
D	Duplicate sample
<	Less Than
NA	Not analyzed
ND	Not detected
TR	Trace amount; unquantifiable
*	Constituent detected in method blank
j	Data are considered estimated
r	Data are considered unusable
uj	Data are considered estimated and not detected at the reported value
f.comp	Composite from fine-grained sample
c.comp	Composite from coarse-grained sample
ACE	Acetone
ANT	Anthracene
BBP	Butylbenzylpthalate
BEP	Bis(2-ethylhexyl)pthalate
BNA's	Base/neutral and acid extractable compounds
BZ	Benzene
BZA	Benzo(a)anthracene
BZB	Benzo(b)fluoranthene
BZG	Benzo(g,h,i)perylene
TRPH	Total Recoverable Petroleum Hydrocarbons
VOCs	Volatile Organi Compounds
2MNA	2-Methylnaphthalene
NAP	Naphthalene
XYL	Total Xylenes
PYR	Pyrene
BZK	Benzo(k)fluoranthene
BZP	Benzo(a)pyrene
CRY	Chryzene
DCE	1,1 Dichloroethene
EB	Ethyl benzene
FLU	Fluoranthene
DBA	Dibenzo(a,h)anthracene
DNB	Di-n-butyl phthalate
IND	Indeno(1,2,3-cd)pyrene
MEK	Methyl Ethyl Ketone
MIBK	Methyl Iso-Butyl Ketone
PHEN	Phenanthrene
TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
TOL	Toluene
PCE	Perchloroethene
[UQ]	ATI-Phoenix data of unknown quality as determined by the FFA Parties

Table 21-3. Metals Analytical Results for Soil Samples Collected at PSC LF-14, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
102891LUK14SM00003	14-TP-1	10	10	ND	ND	210	1.1	1.9	22.3	23.2	ND	19.6	9.9	ND(uj)	ND	ND	43.3
102891LUK14SM00004	14-TP-1	2	2	ND	ND	115	0.8	2.4	17.0	21.5	ND	16.0	88.0	ND(uj)	ND	ND	737
102891LUK14SM00001	14-TP-2	4	4	ND	8.7 -	161	0.5	5.7	16.1	33.6	ND	15.3	17.8	ND(uj)	ND	ND	80.2
102891LUK14SM00002	14-TP-2	1	1	ND	ND	199	1.5 -	2.6	18.6	24.1	ND	17.8	16.8	ND(uj)	ND	ND	70.8
102991LUK14SM00008	14-TP-3	1	2	ND	5.4	160	ND	1.6	15.5	19.1	ND	14.8	16.0	ND(uj)	ND	ND	40.0
102991LUK14SM00010D	14-TP-3	10	10	ND	8.9 -	130	ND	1	12.1	17.7	ND	13.8	8.2	ND(uj)	ND	ND	32.2
102991LUK14SM00009	14-TP-3	10	10	ND	8.0 -	101	ND	1	10.2	16.1	ND	12.6	8.3	ND(uj)	ND	ND	27.8
102991LUK14SM00006	14-TP-4	10	10	ND	ND	176	ND	1.1	15.8	20.0	ND	14.8	14.8	ND(uj)	ND	ND	35.1
102991LUK14SM00007	14-TP-4	1	2	ND	ND	93.5	0.5	0.8	10.7	12.2	ND	10.5	7.5	ND(uj)	ND	ND	24.2
102891LUK14SL00001	14-SB-1	0	2	ND	ND	92.5	ND	1.1	21.9	17.5	ND	11.6	75.4	ND(uj)	ND	ND	48.5
102891LUK14SL00002D	14-SB-1	0	2	ND	ND	106	ND	1.2	18.2	18.0	ND	12.9	40.3	ND(uj)	ND	ND	45.2
102891LUK14SL00004	14-SB-1	5	15	ND	ND	138	ND	1.1	16.1	18.2	ND	14.5	12.5	ND(uj)	ND	ND	38.3
102891LUK14SL00005	14-SB-1	15	25	ND	ND	131	ND	0.9	12.4	14.3	ND	11.1	8.1	ND(uj)	ND	ND	26.6
102891LUK14SL00006	14-SB-1	25	35	ND	ND	134	ND	0.8	14.1	14.4	ND	10.6	5.9	ND(uj)	ND	ND	26.7
102891LUK14SL00007	14-SB-1	35	45	ND	ND	182	ND	0.7	18.0	13.4	ND	10.1	6.0	ND(uj)	ND	ND	23.6
102891LUK14SL00008	14-SB-2	0	2	1.8	ND	100	ND	2.2	108	30.2	ND	14.3	62.6	ND(uj)	ND	ND	101
102891LUK14SL00009	14-SB-2	5	15	ND	ND	147	ND	1.6	49.5	38.8	ND	14.6	16.8	ND(uj)	ND	ND	45.5
102891LUK14SL00010	14-SB-2	5	15	ND	ND	147	ND	1.2	18.6	19.1	ND	13.0	8.6	ND(uj)	ND	ND	33.0
102891LUK14SL00011	14-SB-2	25	35	ND	ND	140	ND	0.8	15.7	16.2	ND	10.1	7.1	ND(uj)	ND	ND	24.6
102891LUK14SL00012	14-SB-2	35	45	ND	ND	145	ND	0.8	18.6	14.8	ND	11.1	6.6	ND(uj)	ND	ND	26.5
102991LUK14SL00015	14-SB-3	0	2	4.8	ND	105	ND	2	14.3	35.8	ND	12.6	56.7	ND(uj)	ND	ND	109
102991LUK14SL00016	14-SB-3	5	15	1	ND	186	0.5	1.1	14.0	19.2	ND	12.9	27.6	ND(uj)	ND	ND	42.8
102991LUK14SL00017	14-SB-3	15	25	ND	ND	128	ND	0.9	13.6	12.3	ND	10.9	7.8	ND(uj)	ND	ND	25.5
103091LUK14SL00018	14-SB-3	25	35	ND	ND	138	ND	0.8	12.6	12.0	ND	10.3	6.1	ND(uj)	ND	ND	25.0
103091LUK14SL00019	14-SB-3	35	45	ND	ND	74.7	ND	ND	10.1	8.8	ND	6.9	ND	ND(uj)	ND	ND	17.2
103091LUK14SL00021	14-SB-4	0	2	2.9	ND	67.4	ND	1.7	13.5	22.6	ND	11.0	46.4	ND(uj)	ND	ND	91.0
103091LUK14SL00022	14-SB-4	5	15	ND	6.1 -	153	0.5	1.1	13.7	19.0	ND	13.7	18.9	ND(uj)	ND	ND	41.8
103091LUK14SL00023	14-SB-4	15	25	ND	ND	113	ND	ND	7.1	8.7	ND	6.8	ND	ND(uj)	ND	ND	16.6
103091LUK14SL00024	14-SB-4	25	35	ND	ND	154	0.5	0.9	16.8	13.6	ND	11.3	6.5	ND(uj)	ND	ND	27.1
103091LUK14SL00025	14-SB-4	35	45	ND	ND	77.7	ND	ND	11.5	8.5	ND	6.4	ND	ND(uj)	ND	ND	15.9
103191LUK14SL00027	14-SB-5	0	2	ND	ND	79.2	ND	0.9	221 -	16.8	ND	11	86	ND(uj)	ND	ND	83.4
103191LUK14SL00028D	14-SB-5	0	2	ND	ND	82.7	ND	0.9	376 -	18.9	ND	12	88	ND(uj)	ND	ND	107
103191LUK14SL00030	14-SB-5	5	15	ND	ND	156	ND	ND	13.2	18.3	ND	13	17	ND(uj)	ND	ND	37.9
103191LUK14SL00031	14-SB-5	15	25	ND	ND	123	ND	ND	9.9	12.7	ND	9	9	ND(uj)	ND	ND	20.8
103191LUK14SL00032	14-SB-5	25	35	ND	ND	155	ND	ND	14.1	14.5	ND	11	11	ND(uj)	ND	ND	30.9
103191LUK14SL00033	14-SB-5	35	45	ND	ND	79.0	ND	ND	12.5	12.1	ND	9	10	ND(uj)	ND	ND	20.2
031093LUK14SL00001	14-SB-6	0	2	ND	14 -	145	0.6	ND	19.6	17.4	ND	14.1	10	ND	ND	ND	39.3
031093LUK14SL00002	14-SB-6	8	10	ND	9 -	210	0.7	ND	20.1	16.9	ND	14.1	7	ND	ND	ND	39.8
031093LUK14SL00003	14-SB-6	18	20	ND	ND	46.3	ND	ND	16.2	10.2	ND	6.5	5	ND	ND	ND	16.4
031093LUK14SL00004	14-SB-6	28	30	ND	7 -	173	ND	ND	17.5	15.7	ND	11.2	7	ND	ND	ND	28.5
031093LUK14SL00005	14-SB-6	38	40	ND	ND	84.3	ND	ND	17.3	9.7	ND	6.5	ND	ND	ND	ND	16.8
031093LUK14SL00006	14-SB-7	0	2	ND	6 -	331	0.5	0.6	16	20.5	ND	12.6	86	ND	ND	ND	83.6
031093LUK14SL00007	14-SB-7	8	10	ND	5 -	186	0.5	ND	17.6	14.2	ND	12.5	9	ND	ND	ND	30.7

Table 21-3. Metals Analytical Results for Soil Samples Collected at PSC LF-14, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
031093LUK14SL00008	14-SB-7	18	20	ND	ND	140	ND	ND	11.7	10.4	ND	7.1	ND	ND	ND	ND	17.4
031193LUK14SL00010	14-SB-7	28	30	ND	ND	118	ND	ND	16.8	17.6	ND	11	7	ND	ND	ND	30.1
031593LUK14SL00012	14-SB-7	38	40	ND	ND	83.9	ND	ND	10.8	10.5	ND	6.6	8	ND	ND	ND	16.7
031593LUK14SL00013D	14-SB-7	38	40	ND	ND	107	ND	ND	17.9	13.5	ND	11	6	ND	ND	ND	26.4
031593LUK14SL00015	14-SB-8	0	2	2	6 —	110	ND	0.5	17.6	23.5	ND	14	26	ND	ND	ND	50.3
031593LUK14SL00016	14-SB-8	8	10	ND	ND	99.7	ND	ND	15.7	14.3	ND	11.5	9	ND	ND	ND	31
031593LUK14SL00017	14-SB-8	18	20	ND	ND	49.6	ND	ND	13.1	18.5	ND	8.4	7	ND	ND	ND	21.3
031593LUK14SL00018	14-SB-8	28	30	ND	ND	85	ND	ND	20.6	14.3	ND	9.7	6	ND	ND	ND	24.5
031593LUK14SL00019	14-SB-8	38	40	ND	ND	86.3	ND	ND	15.5	12.3	ND	8.9	9	ND	ND	ND	23.2
031593LUK14SL00020	14-SB-9	0	2	ND	ND	134	ND	ND	19.6	21.8	ND	16.4	14	ND	ND	ND	45.3
031593LUK14SL00021	14-SB-9	8	10	ND	6 —	139	ND	ND	21.8	18.8	ND	15.3	10	ND	ND	ND	41
031593LUK14SL00022	14-SB-9	18	20	ND	ND	110	ND	ND	18	12.3	ND	9.8	ND	ND	ND	ND	20.4
031693LUK14SL00023	14-SB-9	28	30	ND	ND	131	ND	ND	12.6	20.2	ND	12.7	11	ND	ND	ND	27
031693LUK14SL00024	14-SB-9	38	40	ND	ND	78.1	ND	ND	10.2	10	ND	7	5	ND	ND	ND	17.5

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location	Ag	Silver	Hg	Mercury	j	Data are considered estimated	NA	Not analyzed
SB	Soil boring location	As	Arsenic	Ni	Nickel	r	Data are considered unusable	ND	Not detected
TP	Test pit location	Ba	Barium	Pb	Lead	uj	Data are considered estimated and not detected at the reported value	TR	Trace amount; unquantifiable
SM	Solid waste matrix	Be	Beryllium	Sb	Antimony			*	Constituent detected in method blank
MW	Monitoring well location	Cd	Cadmium	Se	Selenium				
D	Duplicate sample	Cr	Chromium	Tl	Thallium				
<	Less Than	Cu	Copper	Zn	Zinc				

Table 25-1. Non-Metal Constituents Results for Soil Samples Collected at ST-18, OU-2, Remedial Investigation, Luke Air Force Base, Arizona.

Sample I.D.	Location	Depth	PCBs	TRPH	VOCs		BNAs	
121191-LUK18-SL00001	SB-1	0-2	ND	170	ND*		ND* (2)	
121191-LUK18-SL00002	SB-1	4-6	NA	170	ND*		ND* (2)	
121191-LUK18-SL00003	SB-1	12-14	NA	4900-	EB 0.09*		NAP 1.6	CRY 0.37
					XYL 0.82*		2MNAP 3.7	BZB 0.21
							PYR 0.19	
							BZA 0.19 *	
121191-LUK18-SL00005	SB-1	36-38	NA	<10	ND		ND	
121191-LUK18-SL00006	SB-1	50-52	NA	<10	XYL 0.1*	ALL SB-1 VOC	ND	ALL SB-1 BNA
121391-LUK18-SL00036	SB-1	350-352	NA	<10	ND	DATA [UQ]	ND	DATA [UQ]
121391-LUK18-SL00040	SB-2	0-2	ND	20	1,1DCE 0.06U		ND (2)	
121391-LUK18-SL00042D	SB-2	0-2	ND	<10	1,1DCE 0.07U		ND	
121391-LUK18-SL00044	SB-2	12-14	NA	10000 -	1,1DCE 1 -	TOL 112	NAP 8.5d	BEP 0.80
					ATC 3.0 -	EB 59	2MNAP 18d *	
					TCE 1 -	XYL 280 -		
					BZ 2* -			
					PCE 3 -	(20)		
121391-LUK18-SL00045	SB-2	20-22	NA	17000 -	TCE 3.0 -	EB 84	NAP 13	
					BZ 6.4 -	XYL 380d -	2MNAP 20 *	
					PCE 2.4 -			
					TOL 200d *	(10)	(4)	
121691-LUK18-SL00049	SB-2	60-62	NA	<10	ND		ND	
121691-LUK18-SL00050	SB-2	70-72	NA	<10	ND	ALL SB-2 VOC	ND	ALL SB-2 BNA
121791-LUK18-SL00076	SB-2	330-332	NA	<10	ND	DATA [UQ]	ND	DATA [UQ]
020392-LUK18-SL00083	SB-3	0-2	ND	20	ND		PHEN 0.17	BZB 0.77 -
							CRY 0.92	BZG 0.56
							PYR 0.56	IND 0.34
							BZA 0.43	BZP 0.43 -
							FLU 0.49	
020392-LUK18-SL00084	SB-3	4-6	NA	<10	ND	ALL SB-3 VOC	ND	ALL SB-3 BNA
020392-LUK18-SL00085	SB-3	18-20	NA	<10	ND	DATA [UQ]	ND	DATA [UQ]

Table 25-1. Non-Metal Constituents Results for Soil Samples Collected at ST-18, OU-2, Remedial Investigation, Luke Air Force Base, Arizona.

Sample I.D.	Location	Depth	PCBs	TRPH	VOCs		BNAs	
020392-LUK18-SL00086	SB-4	0-2	ND	40	ND		CRY 0.48	BZB 0.38
							PYR 0.22	BZP 0.17
							BZA 0.22	IND 0.17
							FLU 0.25	BZG 0.21
020392-LUK18-SL00087	SB-4	2-4	NA	<10	ND	**ALL SB-4 VOC**	ND	**ALL SB-4 BNA**
020392-LUK18-SL00088	SB-4	18-20	NA	<10	ND	**DATA [UQ]**	ND	**DATA [UQ]**
020392-LUK18-SL00089	SB-5	0-2	ND	40	ND		PHEN 0.18	CRY 0.35
							FLU 0.26	BZB 0.20
							PYR 0.26	
020392-LUK18-SL00090	SB-5	4-6	NA	<10	ND	**ALL SB-5 VOC**	ND	**ALL SB-5 BNA**
020392-LUK18-SL00091	SB-5	18-20	NA	<10	ND	**DATA [UQ]**	ND	**DATA [UQ]**
020392-LUK18-SL00092	SB-6	0-2	ND	<10	ND		ND	
020392-LUK18-SL00093	SB-6	4-6	NA	<10	ND		BA 0.42*	2MNAP 0.35
020392-LUK18-SL00094	SB-6	18-20	NA	<10	ND	**ALL SB-6 VOC**	ND	**ALL SB-6 BNA**
020392-LUK18-SL00095D	SB-6	18-20	NA	<10	ND	**DATA [UQ]**	ND	**DATA [UQ]**
062492-LUK18-SL00107	SB-7	42-44	NA	<10	ND		BEP 1.6	
062492-LUK18-SL00111	SB-7	50-52	NA	<10	ND		BEP 0.21	
062492-LUK18-SL00113	SB-7	54-56	NA	<10	ND		BEP 1.4	
062492-LUK18-SL00115	SB-7	58-60	NA	<10	ND	**ALL SB-7 VOC**	NA	**ALL SB-7 BNA**
062492-LUK18-SL00118	SB-7	64-66	NA	<10	ND	**DATA [UQ]**	BEP 1.3	**DATA [UQ]**
062592-LUK18-SL00127	SB-8	34-36	NA	<10	ND		BEP 0.65	
062592-LUK18-SL00128	SB-8	36-38	NA	<10	ND		BEP 0.95	
062592-LUK18-SL00133	SB-8	46-48	NA	<10	ND		BEP 0.35	
062592-LUK18-SL00138	SB-8	56-58	NA	<10	ND		BEP 4.2	
062592-LUK18-SL00141	SB-8	62-64	NA	<10	ND	**ALL SB-8 VOC**	BEP 6.3d	**ALL SB-8 BNA**
062592-LUK18-SL00142	SB-8	64-66	NA	<10	ND	**DATA [UQ]**	BEP 2.3	**DATA [UQ]**
082196LUK018 SL00097	SB-9	8-10	NA	ND	ND		BEP 0.075 J	

Table 25-1. Non-Metal Constituents Results for Soil Samples Collected at ST-18, OU-2, Remedial Investigation, Luke Air Force Base, Arizona.

Sample I.D.	Location	Depth	PCBs	TRPH	VOCs		BNAs
082196LUK018 SL00098	SB-9	18-20	NA	ND	ND		ND
082196LUK018 SL00099	SB-9	28-30	NA	ND	ND		ND
082196LUK018 SL00100	SB-9	38-40	NA	ND	ND		ND
082196LUK018 SL00101	SB-9	48-50	NA	ND	ND		ND
082196LUK018 SL00102	SB-9	58-60	NA	ND	ND		ND
082196LUK018 SL00103	SB-9	68-70	NA	ND	ND		ND
082196LUK018 SL00107	SB-10	8-10	NA	TPH 45 J	EB 0.15 J		2MNAP 0.19 J
082196LUK018 SL00107	SB-10	8-10			XYL 0.21 J		BEP 0.059 J
082196LUK018 SL00107	SB-10	8-10					NAP 0.071 J
082196LUK018 SL00107	SB-10	8-10					PYR 0.039 J
082196LUK018 SL00108(D)	SB-10	8-10	NA	TPH 240 J	EB 0.2 J		2MNAP 0.12
082196LUK018 SL00108(D)	SB-10	8-10			XYL 0.97		BEP 0.04 J
082196LUK018 SL00108(D)	SB-10	8-10					FLU 0.038 J
082196LUK018 SL00108(D)	SB-10	8-10					NAP 0.066 J
082196LUK018 SL00108(D)	SB-10	8-10					PYR 0.039 J
082196LUK018 SL00109	SB-10	18-20	NA	TPH 6800-	EB 58 J		2MNAP 16
082196LUK018 SL00109	SB-10	18-20			XYL 290 J-		NAP 8.1
082196LUK018 SL00110	SB-10	28-30	NA	TPH 2100	EB 20		2MNAP 4.8
082196LUK018 SL00110	SB-10	28-30			TOL 4.4 J		BEP 0.076 J
082196LUK018 SL00110	SB-10	28-30			XYL 130		NAP 1.7
082196LUK018 SL00111	SB-10	38-40	NA	ND	ND		ND
082296LUK018 SL00112	SB-10	48-50	NA	ND	XYL 0.19 J		ND
082296LUK018 SL00113	SB-10	58-60	NA	ND	XYL 0.26 J		ND
082296LUK018 SL00114	SB-10	68-70	NA	ND	ND		ND
082296LUK018 SL00115	SB-10	78-80	NA	TPH 14	ND		BEP 0.08 J
082296LUK018 SL00117	SB-11	8-10	NA	TPH 8500 -	EB 0.082 J		2MNAP 2.5
082296LUK018 SL00117	SB-11	8-10			XYL 1.3		NAP 0.46 J
082296LUK018 SL00118	SB-11	18-20	NA	PH 17000 -	BZ 6.3 J -		1,2-DCB 0.97 J
082296LUK018 SL00118	SB-11	18-20			EB 120		2MNAP 28
082296LUK018 SL00118	SB-11	18-20			TOL 180		NAP 17
082296LUK018 SL00118	SB-11	18-20			XYL 800 -		
082296LUK018 SL00119(D)	SB-11	18-20	NA	PH 18000 -	BZ 4 J -	TOL 120	1,2-DCB 1.1 J
082296LUK018 SL00119(D)	SB-11	18-20			EB 93 -	TCE 1.8 J -	2MNAP 32

Table 25-1. Non-Metal Constituents Results for Soil Samples Collected at ST-18, OU-2, Remedial Investigation, Luke Air Force Base, Arizona.

Sample I.D.	Location	Depth	PCBs	TRPH	VOCs		BNAs	
082296LUK018 SL00119(D)	SB-11	18-20			PCE 1.4 J-	XYL 630-	NAP 19	
082296LUK018 SL00120	SB-11	28-30	NA	PH 17000 -	BZ 2 J-	TOL 52	2MNAP 11	
082296LUK018 SL00120	SB-11	28-30			EB 28	XYL 150	NAP 5.9 J	
082296LUK018 SL00121	SB-11	38-40	NA	PH 13000 -	BZ 1.4 J-	TOL 290	ND	
082296LUK018 SL00121(D)	SB-11	38-40			BZ 18 -	TCE 2.7 J -		
082296LUK018 SL00121	SB-11	38-40			EB 120	XYL 600-		
082296LUK018 SL00122	SB-11	48-50	NA	ND	EB 19	XYL 110	2MNAP 3.7 J	NAP 1.9
082296LUK018 SL00122	SB-11	48-50			TOL 36		BEP 16	
082296LUK018 SL00123	SB-11	58-60	NA	ND	BZ 0.15 J-	XYL 0.37	ND	
082296LUK018 SL00123	SB-11	58-60			TOL 0.48			
082296LUK018 SL00124	SB-11	68-70	NA	ND	XYL 0.11 J		ND	
082296LUK018 SL00125	SB-11	78-80	NA	ND	ND		ND	
082296LUK018 SL00126	SB-11	88-90	NA	ND	XYL 0.1 J		ND	
082096LUK018 SL00082	SB-12	28-30	NA	ND	ACE 0.56 J		ND	
082096LUK018 SL00083	SB-12	48-50	NA	ND	ND		ND	
082096LUK018 SL00084	SB-12	58-60	NA	ND	ND		ND	
082096LUK018 SL00085	SB-12	68-70	NA	ND	ND		ND	
082096LUK018 SL00086(D)	SB-12	68-70	NA	ND	ND		ND	
081496LUK018 SL00067	SB-13	38-40	NA	ND	ND		ND	
081496LUK018 SL00068	SB-13	48-50	NA	ND	ND		BEP 0.055 J	
081496LUK018 SL00069	SB-13	58-60	NA	ND	ND		ND	
081496LUK018 SL00070	SB-13	68-70	NA	ND	ND		ND	
081996LUK018 SL00071	SB-14	38-40	NA	ND	ND		ND	
081996LUK018 SL00072	SB-14	48-50	NA	ND	ND		ND	
081996LUK018 SL00073	SB-14	58-60	NA	ND	ND		ND	
081996LUK018 SL00074	SB-14	58-60	NA	ND	ND		ND	
081996LUK018 SL00075	SB-14	68-70	NA	ND	ND		BEP 0.054 J	
081996LUK018 SL00077	SB-15	28-30	NA	ND	ND		BEP 0.041 J	
081996LUK018 SL00078	SB-15	48-50	NA	ND	ND		BEP 0.12 J	
081996LUK018 SL00079	SB-15	58-60	NA	ND	ND		BEP 0.042 J	
081996LUK018 SL00080	SB-15	68-70	NA	ND	ND		ND	
082096LUK018 SL00087	SB-16	38-40	NA	ND	ND		ND	
082096LUK018 SL00088	SB-16	48-50	NA	ND	ND		ND	

Table 25-1. Non-Metal Constituents Results for Soil Samples Collected at ST-18, OU-2, Remedial Investigation, Luke Air Force Base, Arizona.

Sample I.D.	Location	Depth	PCBs	TRPH	VOCs	BNAs
082096LUK018 SL00089	SB-16	58-60	NA	ND	ND	ND
082096LUK018 SL00090	SB-16	68-70	NA	ND	ND	ND
082196LUK018 SL00093	SB-17	38-40	NA	ND	ND	ND
082196LUK018 SL00094	SB-17	48-50	NA	TPH 15	ND	ND
082196LUK018 SL00095	SB-17	58-60	NA	ND	ND	ND
082196LUK018 SL00096	SB-17	68-70	NA	ND	ND	ND

Concentrations are in milligrams per kilogram (mg/kg).
*** Tentatively identified compound(s) (TICs) detected.**
D Duplicate sample.
d Sample dilution required for analysis of this compound.
A Data is qualitative only.
U Unusable data.
NA Not analyzed.
ND Not detected.
(#) Dilution factor.
EB Ethyl benzene.
XYL Totals Xylenes.
1,1 DCE 1,1-dichloroethene.
ATC 1,1,2,2-tetrachloroethane.
TCE Trichloroethane.
BZ Benzene.
TPH Total Petroleum Hydrocarbons (method 418.1AZ)
BA Benzyl alcohol.
PYR Pyrene.
BZA Benzo(a)anthracene.
CRY Chrysene.
BZB Benzo(b)fluoranthene.
BEP Bis (2-ethylhexyl) phthalate.
PHEN Phenanthrene.
FLU Fluoranthene.
BZG Benzo(g,h,i)perylene.
IND Indeno (1,2,3-cd) pyrene.
BZP Benzo(a)pyrene.
PCE Tetrachloroethene.
TOL Toluene.
NAP Naphthalene.
2MNAP 2-methylnaphthalene.
[UQ] ATI-Phoenix data of unknown quality as determined by the FFA Parties

Table 25-2. Metals Analytical Results for Soil Samples Collected at PSC ST-18, OU-2, Remedial Investigation, Luke Air Force Base, Arizona

Sample ID	Location	Depth	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
121191LUK18SL00001	SB-1	0-2	<1	<5	92.2	<0.5	<0.5	10.5	14.9	<0.25	12	32	<5 A	<10	<20	32.0
121191LUK18SL00002	SB-1	4-6	<1	<5	128	<0.5	<0.5	14.2	18.2	<0.25	16	31	<5 A	<10	<20	40.3
121191LUK18SL00003	SB-1	12-14	<1	<5	75.4	<0.5	<0.5	12.9	10.9	<0.25	12	8	<5 A	<10	<20	21.1
121191LUK18SL00005	SB-1	36-38	<1	<5	169	<0.5	<0.5	41.7	19.5	<0.25	18	11	<5 A	<10	<20	47.2
121191LUK18SL00006	SB-1	50-52	<1	<5	186	<0.5	<0.5	29.4	19.4	<0.25	17	9	<5 A	<10	<20	46.8
121391LUK18SL00036	SB-1	350-352	<1	<5	131	<0.5	<0.5	10.2	14.1	<0.25	14	7	<5 A	<10	<20	31.8
121391LUK18SL00040	SB-2	0-2	<1	<5	87.5	<0.5	<0.5	8.7	14.6	<0.25	12	11	<5 A	<10	<20	24.0
121391LUK18SL00042D	SB-2	0-2	<1	<5	80.2	<0.5	<0.5	9.7	15.8	<0.25	14	12	<5 A	<10	<20	24.0
121391LUK18SL00044	SB-2	12-14	<1	<5	239	<0.5	<0.5	23.0	15.6	<0.25	15	13	<5 A	<10	<20	32.8
121391LUK18SL00045	SB-2	20-22	<1	<5	296	<0.5	<0.5	17.8	15.7	<0.25	17	11	<5 A	<10	<20	33.6
121691LUK18SL00049	SB-2	60-62	<1	<5	114	<0.5	0.6	34.6	17.7	<0.25	18	13	<5 A	<10	<20.	47.7
121691LUK18SL00050	SB-2	70-72	<1	<5	88.2	<0.5	<0.5	15.3	9.4	<0.25	9	<5	<5 A	<10	<20	20.2
121791LUK18SL00076	SB-2	330-332	<1	<6	207	<0.6	<0.6	28.6	34.7	<0.25	28	21	<6 A	<12	<24	63.0
020392LUK18SL00083	SB-3	0-2	<1	<5	132	0.5	<0.5	15.0	19.9	<0.25	16.0	28.9	<5 A	<10	<20	38.9
020392LUK18SL00084	SB-3	4-6	<1	<5	320	0.5	<0.5	14.9	19.5	<0.25	14.9	9.6	<5 A	<10	<20	34.2
020392LUK18SL00085	SB-3	18-20	<1	7-	99.8	<0.5	<0.5	22.2	9.6	<0.25	7.6	6.2	<5 A	<10	<20	17.2
020392LUK18SL00086	SB-4	0-2	<1	<5	84.8	<0.5	<0.5	17.7	13.3	<0.25	12.9	8.9	<5 A	<10	<20	23.2
020392LUK18SL00087	SB-4	4-6	<1	<5	134	0.6	<0.5	17.0	20.7	<0.25	16.4	11.4	<5 A	<10	<20	38.6
020392LUK18SL00088	SB-4	18-20	<1	<5	265	0.6	<0.5	26.3	15.4	<0.25	19.5	9.2	<5 A	<10	<20	31.2
020392LUK18SL00089	SB-5	0-2	<1	5-	113	0.6	<0.5	15.9	19.9	<0.25	15.6	17.8	<5 A	<10	<20	43.8
020392LUK18SL00090	SB-5	4-6	<1	<5	118	0.5	<0.5	12.4	15.0	<0.25	12.2	8.8	<5 A	<10	<20	31.0
020392LUK18SL00091	SB-5	18-20	<1	<5	114	<0.5	<0.5	22.5	8.7	<0.25	6.6	4.9	<5 A	<10	<20	16.7
020392LUK18SL00092	SB-6	0-2	<1	5-	86.1	<0.5	<0.5	20.0	14.0	<0.25	10.0	11.5	<5 A	<10	<20	19.6
020392LUK18SL00093	SB-6	4-6	<1	6-	96.8	<0.5	<0.5	18.9	13.1	<0.25	11.5	15.1	<5 A	<10	<20	21.0
020392LUK18SL00094	SB-6	18-20	<1	<5	370	<0.5	<0.5	22.8	10.8	<0.25	10.4	6.0	<5 A	<10	<20	26.1
020392LUK18SL00095D	SB-6	18-20	<1	<5	253	<0.5	<0.5	33.8	11.7	<0.25	10.7	5.3	<5 A	<10	<20	24.0

Table 25-2. Metals Analytical Results for Soil Samples Collected at PSC ST-18, OU-2, Remedial Investigation, Luke Air Force Base, Arizona

Sample ID	Location	Depth	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
062492LUK18SL00107	SB-7	42-44	<1.0	<5.0	155	<0.5	<0.5	17.3	15.7	<0.25	11	12	<0.5	<10.0	<20.0	28.6
062492LUK18SL00111	SB-7	50-52	<1.0	<5.0	87.0	<0.5	<0.5	13.1	11.9	<0.25	8	6	<0.5	<10.0	<20.0	21.7
062492LUK18SL00113	SB-7	54-56	<1.0	<5.0	144	<0.5	<0.5	19.9	19.0	<0.25	17	14	<0.5	<10.0	<20.0	42.0
062492LUK18SL00115	SB-7	58-60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
062492LUK18SL00118	SB-7	64-66	<1.0	<5.0	83.2	<0.5	<0.5	20.8	8.9	<0.25	9	8	<0.5	<10.0	<20.0	18.4
062592LUK18SL00127	SB-8	34-36	<1.0	<5.0	71.0	<0.5	<0.5	13.2	8.9	<0.25	7	6	<0.5	<10.0	<20.0	17.4
062592LUK18SL00128	SB-8	36-38	<1.0	<5.0	172	<0.5	0.6	13.3	15.6	<0.25	16	7	<0.5	<10.0	<20.0	33.6
062592LUK18SL00133	SB-8	46-48	<1.0	<5.0	197	<0.5	<0.5	24.1	13.8	<0.25	12	9	<0.5	<10.0	<20.0	26.2
062592LUK18SL00138	SB-8	56-58	<1.0	<5.0	79.9	<0.5	<0.5	16.3	10.5	<0.25	9	9	<0.5	<10.0	<20.0	22.0
062592LUK18SL00141	SB-8	62-64	<1.0	6 -	95.2	<0.5	<0.5	18.3	11.6	<0.25	11	7	<0.5	<10.0	<20.0	21.0
062592LUK18SL00142	SB-8	64-66	<1.0	<5.0	65.9	<0.5	<0.5	14.6	5.5	<0.25	5	<5	<0.5	<10.0	<20.0	13.1

Concentrations are in milligrams per kilogram (mg/kg).
A Data is qualitative, failed validation requirements for quantitative data.
D Duplicate sample.
NA Not analyzed.

Table 27-1. Non-Metal Constituents Results for Soil Samples Collected at SD-20, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs
100991LUK20SL00001	20-MW-112D	0	2	NA	18		TOL <0.1 TR		No	ND		Yes
100991LUK20SL00002	20-MW-112D	2	4	NA	<10		TOL <0.1 TR		No	ND		No
101191LUK20SL00029	20-MW-112D	130	132	NA	33		ND		No	ND		Yes
101391LUK20SL00044	20-MW-112D	280	282	NA	<10		ND		No	ND		No
101591LUK20SL00053	20-MW-112D	380	382	NA	<10		ND		No	ND		No
120391LUK20SL00200	20-MW-113	0	2	NA	13		ND		No	ND		No
120391LUK20SL00203	20-MW-113	6	8	NA	<10		ND		No	ND		No
120491LUK20SL00227	20-MW-113	120	122	NA	<10		ND		No	ND		No
120691LUK20SL00252	20-MW-113	320	322	NA	<10		ND		No	ND		No
120691LUK20SL00253D	20-MW-113	320	322	NA	10		ND		No	ND		No
100991LUK20SL00079	20-SB-01	0	2	NA	49		TOL 0.1		No	PHEN 0.2		Yes
100991LUK20SL00079	20-SB-01	0	2							FLU 0.46		
100991LUK20SL00079	20-SB-01	0	2							PYR 0.35		
100991LUK20SL00079	20-SB-01	0	2							BZA 0.24		
100991LUK20SL00079	20-SB-01	0	2							CRY 0.17		
100991LUK20SL00079	20-SB-01	0	2							BZB 0.32		
100991LUK20SL00079	20-SB-01	0	2							BZF 0.18 –		
100991LUK20SL00079	20-SB-01	0	2							IND 0.20		
100991LUK20SL00080	20-SB-01	6	8	NA	210		TOL <0.1 TR		No	BZG 0.22		
100991LUK20SL00081	20-SB-01	16	18	NA	<10		ND		No	BZB <0.17 TR		No
100991LUK20SL00082	20-SB-01	24	26	NA	<10		ND		No	ND		No
100991LUK20SL00083	20-SB-01	38	40	NA	40		ND		No	ND		No
101091LUK20SL00085	20-SB-02	0	2	NA	56		ND		No	ND		Yes
101091LUK20SL00086	20-SB-02	4	6	NA	28		ND		No	ND		Yes
101091LUK20SL00087	20-SB-02	18	20	NA	<10		ND		No	ND		Yes
101091LUK20SL00088	20-SB-02	22	24	NA	<10		ND		No	ND		No
101091LUK20SL00089	20-SB-02	38	40	NA	<10		ND		No	ND		No
101091LUK20SL00090	20-SB-03	0	2	NA	120		ND		No	ND		No
101091LUK20SL00091	20-SB-03	6	8	NA	21		ND		No	ND		Yes
101091LUK20SL00092	20-SB-03	12	14	NA	<10		ND		No	ND		Yes
101091LUK20SL00093	20-SB-03	28	30	NA	<10		ND		No	ND		No
101091LUK20SL00094	20-SB-03	30	32	NA	<10		ND		No	ND		No
101091LUK20SL00095	20-SB-04	0	2	NA	12		ND		No	ND		Yes

Table 27-1. Non-Metal Constituents Results for Soil Samples Collected at SD-20, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs
101091LUK20SL00096D	20-SB-04	0	2	NA	14		TOL <0.1 TR	j	No	ND		Yes
101091LUK20SL00098	20-SB-04	8	10	NA	78		ND		No	ND		Yes
101091LUK20SL00099	20-SB-04	14	16	NA	<10		TOL <0.1 TR		No	ND		No
101091LUK20SL00100	20-SB-04	20	22	NA	<10		ND		No	ND		No
101091LUK20SL00101	20-SB-04	30	32	NA	<10		ND		No	ND		No
031693LUK20SL00001	20-SB-05	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No
031693LUK20SL00002	20-SB-05	16	18	NA	<10		ND	[UQ]	No	ND	[UQ]	No
031693LUK20SL00003	20-SB-05	26	28	NA	<10		ND	[UQ]	No	ND	[UQ]	No
031893LUK20SL00012	20-SB-06	8	10	NA	30		ND	[UQ]	No	ND	[UQ]	Yes(r)
031893LUK20SL00013	20-SB-06	16	18	NA	20		ND	[UQ]	No	ND	[UQ]	Yes(r)
031893LUK20SL00014	20-SB-06	26	28	NA	10		ND	[UQ]	No	ND	[UQ]	No
031793LUK20SL00005	20-SB-07	8	10	NA	50		ND	[UQ]	No	ND	[UQ]	Yes(r)
031793LUK20SL00006D	20-SB-07	8	10	NA	40		ND	[UQ]	No	ND	[UQ]	Yes(r)
031793LUK20SL00008	20-SB-07	16	18	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)
031793LUK20SL00009	20-SB-07	26	28	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)
031893LUK20SL00015	20-SB-08	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)
031893LUK20SL00016	20-SB-08	16	18	NA	10		ND	[UQ]	No	ND	[UQ]	Yes(r)
031893LUK20SL00017	20-SB-08	26	28	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032393LUK20SL00034	20-SB-09	6	8	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032393LUK20SL00035	20-SB-09	14	16	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032393LUK20SL00036	20-SB-09	24	26	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032293LUK20SL00025	20-SB-10	6	8	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032293LUK20SL00026	20-SB-10	14	16	NA	30		ND	[UQ]	No	ND	[UQ]	No
032293LUK20SL00027	20-SB-10	24	26	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032293LUK20SL00019	20-SB-11	6	8	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032293LUK20SL00020	20-SB-11	14	16	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032293LUK20SL00021	20-SB-11	24	26	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032293LUK20SL00022	20-SB-12	6	8	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032293LUK20SL00023	20-SB-12	14	16	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032293LUK20SL00024	20-SB-12	24	26	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032393LUK20SL00029	20-SB-13	4	6	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032393LUK20SL00030	20-SB-13	12	14	NA	<10		ND	[UQ]	No	ND	[UQ]	No
032393LUK20SL00031	20-SB-13	22	24	NA	20		ND	[UQ]	No	ND	[UQ]	No
032393LUK20SL00032D	20-SB-13	22	24	NA	10		ND	[UQ]	No	ND	[UQ]	No

Table 27-1. Non-Metal Constituents Results for Soil Samples Collected at SD-20, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs
041993LUK20SL00039	20-SB-14	4	6	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)
041993LUK20SL00040	20-SB-14	12	14	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041993LUK20SL00041	20-SB-14	22	24	NA	<10		ND	[UQ]	No	ND	[UQ]	No
100291LUK20SD00001	20-SD-01	0	1	NA	130		ND		No	ND		Yes
100291LUK20SD00002	20-SD-01	1	2	NA	<10		ND		No	ND		Yes
100291LUK20SD00003	20-SD-02	0	1	NA	<10		ND		No	ND		Yes
100291LUK20SD00004	20-SD-02	1	2	NA	<10		ND		No	ND		No
100291LUK20SD00005	20-SD-03	0	1	NA	28		ND		No	ND		Yes
100291LUK20SD00006	20-SD-03	1	2	NA	<10		ND		No	ND		Yes
100291LUK20SD00007	20-SD-04	0	1	NA	<10		ND		No	ND		Yes
100291LUK20SD00008	20-SD-04	1	2	NA	<10		ND		No	ND		No
111391LUK20SD00009	20-SD-05	0	1	NA	180	j	DCE	r [UQ]	No	ND	[UQ]	Yes
111391LUK20SD00010	20-SD-05	1	2	NA	50	j	DCE	r [UQ]	No	ND	[UQ]	No
111391LUK20SD00011	20-SD-06	0	1	NA	50	j	DCE	r [UQ]	No	ND	[UQ]	Yes
111391LUK20SD00012	20-SD-06	1	2	NA	<10	j	DCE	r [UQ]	No	ND	[UQ]	No
111391LUK20SD00013	20-SD-07	0	1	NA	160	j	DCE	r [UQ]	No	ND	[UQ]	Yes
111391LUK20SD00014	20-SD-07	1	2	NA	10	j	DCE	r [UQ]	No	ND	[UQ]	No
111391LUK20SD00033D	20-SD-07	0	1	NA	270	j	DCE	r [UQ]	No	ND	[UQ]	Yes
100291LUK20SD00015	20-SD-08	0	1	NA	68		ND		No	ND		Yes
100291LUK20SD00016	20-SD-08	1	2	NA	15		ND		No	ND		Yes
100291LUK20SD00017	20-SD-09	0	1	NA	13		ND		No	ND		Yes
100291LUK20SD00018D	20-SD-09	0	1	NA	10		ND		No	ND		Yes
100291LUK20SD00020	20-SD-09	1	2	NA	<10		ND		No	ND		No
100291LUK20SD00021	20-SD-10	0	1	NA	400		ND		No	ND		Yes
100291LUK20SD00022	20-SD-10	1	2	NA	13		ND		No	ND		Yes
100291LUK20SD00023	20-SD-11	0	1	NA	460		ND		No	ND		Yes
100291LUK20SD00024	20-SD-11	1	2	NA	38		ND		No	ND		Yes
111391LUK20SD00025	20-SD-12	0	1	NA	3,700	j	ND	[UQ]	No	ND	[UQ]	Yes
111391LUK20SD00026	20-SD-12	1	2	NA	130	j	ND	[UQ]	No	ND	[UQ]	Yes
111391LUK20SD00027	20-SD-13	0	1	NA	70	j	ND	[UQ]	No	BZA 0.34	[UQ]	Yes
111391LUK20SD00027	20-SD-13	0	1							CRY 0.85	[UQ]	
111391LUK20SD00027	20-SD-13	0	1							BZB 0.96 -	[UQ]	
111391LUK20SD00027	20-SD-13	0	1							BZP 0.48 -	[UQ]	
111391LUK20SD00027	20-SD-13	0	1							IND 0.36	[UQ]	

Table 27-1. Non-Metal Constituents Results for Soil Samples Collected at SD-20, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs
111391LUK20SD00027	20-SD-13	0	1							BZG 0.65	[UQ]	
111391LUK20SD00028	20-SD-13	1	2	NA	<10	j	DCE	r [UQ]	No	ND	[UQ]	No
111391LUK20SD00029	20-SD-14	0	1	NA	140	j	ND	[UQ]	No	ND	[UQ]	Yes
111391LUK20SD00030	20-SD-14	1	2	NA	<10	j	ND	[UQ]	No	ND	[UQ]	No
111391LUK20SD00031	20-SD-15	0	1	NA	340	j	ND	[UQ]	No	ND	[UQ]	Yes
111391LUK20SD00032	20-SD-15	1	2	NA	<10	j	ND	[UQ]	No	ND	[UQ]	Yes
042893LUK20SL00043	20-SD-16	0	.25	NA	1300		ND	[UQ]	No	FLU 42	[UQ]	Yes
042893LUK20SL00043	20-SD-16	0	.25							PYR 69	[UQ]	
042893LUK20SL00043	20-SD-16	0	.25							BEP 330*	[UQ]	
042893LUK20SL00043	20-SD-16	0	.25							BZB 64*	[UQ]	
042893LUK20SL00044	20-SD-17	0	.25	NA	3600		ND	[UQ]	No	ND	[UQ]	Yes
042893LUK20SL00045	20-SD-18	0	.25	NA	1600		ND	[UQ]	No	ND	[UQ]	Yes

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location
SB	Soil boring location
TP	Test pit location
SM	Solid waste matrix
MW	Monitoring well location
D	Duplicate sample
<	Less Than
NA	Not analyzed
ND	Not detected
TR	Trace amount; unquantifiable
*	Constituent detected in method blank
j	Data are considered estimated
r	Data are considered unusable
uj	Data are considered estimated and not detected at the reported value
f.comp	Composite from fine-grained sample
c.comp	Composite from course-grained sample
ACE	Acetone
ANT	Anthracene
BBP	Butylbenzylpthalate
BEP	Bis(2-ethylhexyl)pthalate
BNA's	Base/neutral and acid extractable compounds
BZ	Benzene
BZA	Benzo(a)anthracene
BZB	Benzo(b)fluoranthene
BZG	Benzo(g,h,i)perylene
TRPH	Total Recoverable Petroleum Hydrocarbons
VOCs	Volatile Organi Compounds
2MNA	2-Methylnaphthalene
NAP	Naphthalene
XYL	Total Xylenes
PYR	Pyrene
BZK	Benzo(k)fluoranthene
BZP	Benzo(a)pyrene
CRY	Chryzene
DCE	1,1 Dichloroethene
EB	Ethyl benzene
FLU	Fluoranthene
DBA	Dibenzo(a,h)anthracene
DNB	Di-n-butyl phthalate
IND	Indeno(1,2,3-cd)pyrene
MEK	Methyl Ethyl Ketone
MIBK	Methyl Iso-Butyl Ketone
PHEN	Phenanthrene
TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
TOL	Toluene
PCE	Perchloroethene
[UQ]	ATI-Phoenix data of unknown quality as determined by the FFA Parties

Table 27-2. Metals Analytical Results for Soil Samples Collected at PSC SD-20, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
100991LUK20SL00001	20-MW-112D	0	2	ND	5.4 =	182	0.7	4.3	30.6	35.9	ND	24.3	19.9	ND/UJ	ND	ND	81.5
100991LUK20SL00002	20-MW-112D	2	4	ND	ND	169	ND	2.3	17.9	19.8	ND	13.8	9.8	ND/UJ	ND	ND	35.7
101191LUK20SL00029	20-MW-112D	130	132	ND	8.7 -	349	ND	3.1	25.3	24.5	ND	20.9	8.2	ND/UJ	ND	ND	59.1
101391LUK20SL00044	20-MW-112D	280	282	ND	6.4 -	152	0.6	3.8	30.1	25.9	ND	26.3	8.8	ND/UJ	ND	ND	75.4
101591LUK20SL00053	20-MW-112D	380	382	ND	5.3 -	88.1	0.6	2.8	21.5	34.9	ND	21.1	7.9	ND/UJ	ND	ND	54.8
120391LUK20SL00200	20-MW-113	0	2	ND	5.5 -	156	0.8	ND	23.4	25.3	ND	19.6	19.2	ND/UJ	ND	ND	55.3
120391LUK20SL00203	20-MW-113	6	8	ND	ND	126	ND	ND	13.6	11.9	ND	10.7	6.8	ND/UJ	ND	ND	26.0
120491LUK20SL00227	20-MW-113	120	122	ND	ND	83.9	ND	ND	14.4	13.6	ND	14.0	6.0	ND/UJ	ND	ND	26.4
120691LUK20SL00252	20-MW-113	320	322	ND	16 -	199	ND	ND	16.3	21.4	ND	18.0	12.0	ND/UJ	ND	ND	36.6
120691LUK20SL00253D	20-MW-113	320	322	ND	13 -	198	ND	ND	15.5	21.4	ND	21.0	9.0	ND/UJ	ND	ND	39.9
100991LUK20SL00079	20-SB-01	0	2	ND	ND	501	ND	2.7	28.2	17.5	ND	14.3	27.2	ND/UJ	ND	ND	50.2
100991LUK20SL00080	20-SB-01	6	8	ND	ND	200	ND	1.6	39.3	10.8	ND	8.8	17.3	ND/UJ	ND	ND	44.5
100991LUK20SL00081	20-SB-01	16	18	ND	ND	185	ND	2.5	47.0	16.5	ND	18.1	9.3	ND/UJ	ND	ND	46.5
100991LUK20SL00082	20-SB-01	24	26	ND	ND	114	ND	1.6	49.6	9.2	ND	8.7	6.0	ND/UJ	ND	ND	19.4
100991LUK20SL00083	20-SB-01	38	40	ND	ND	106	ND	2.3	23.2	13.5	ND	10.8	12.7	ND/UJ	ND	ND	28.1
101091LUK20SL00085	20-SB-02	0	2	ND	ND	137	ND	1.6	42.2	13.9	ND	6.2	9.0	ND/UJ	ND	ND	18.4
101091LUK20SL00086	20-SB-02	4	6	ND	ND	175	ND	2.2	32.9	13.1	ND	9.9	10.2	ND/UJ	ND	ND	26.4
101091LUK20SL00087	20-SB-02	18	20	ND	ND	171	ND	2.0	22.6	14.7	ND	11.2	7.0	ND/UJ	ND	ND	27.1
101091LUK20SL00088	20-SB-02	22	24	ND	ND	182	ND	2.4	24.4	19.3	ND	13.6	7.4	ND/UJ	ND	ND	32.4
101091LUK20SL00089	20-SB-02	38	40	ND	5.9 -	140	ND	2.2	17.5	16.3	ND	14.2	8.0	ND/UJ	ND	ND	32.5
101091LUK20SL00090	20-SB-03	0	2	ND	5.0 -	191	ND	3.8	33.1	25.1	ND	15.6	26.6	ND/UJ	ND	ND	55.8
101091LUK20SL00091	20-SB-03	6	8	ND	ND	70.1	ND	1.4	27.6	8.4	ND	6.3	8.2	ND/UJ	ND	ND	18.2
101091LUK20SL00092	20-SB-03	12	14	ND	7.4 -	292	ND	2.2	27.1	18.0	ND	18.6	12.4	ND/UJ	ND	ND	39.4
101091LUK20SL00093	20-SB-03	28	30	ND	ND	230	ND	2.3	25.7	14.8	ND	14.3	7.3	ND/UJ	ND	ND	33.0
101091LUK20SL00094	20-SB-03	30	32	ND	ND	149	ND	1.6	18.6	9.8	ND	8.7	6.2	ND/UJ	ND	ND	20.2
101091LUK20SL00095	20-SB-04	0	2	ND	5.7 -	66.5	ND	1.3	9.8	10.5	ND	7.5	6.9	ND/UJ	ND	ND	21.7
101091LUK20SL00096D	20-SB-04	0	2	ND	ND	116	ND	1.1	8.3	8.9	ND	9.0	6.7	ND/UJ	ND	ND	23.2
101091LUK20SL00098	20-SB-04	8	10	ND	ND	48.4	ND	1.1	6.5	6.9	ND	4.3	5.8	ND/UJ	ND	ND	11.2
101091LUK20SL00099	20-SB-04	14	16	ND	ND	158	ND	1.5	13.0	9.8	ND	8.0	6.5	ND/UJ	ND	ND	19.9
101091LUK20SL00100	20-SB-04	20	22	ND	ND	115	ND	2.0	25.6	12.0	ND	9.9	5.8	ND/UJ	ND	ND	24.1
101091LUK20SL00101	20-SB-04	30	32	ND	5.2 -	163	ND	2.0	13.9	16.4	ND	14.6	9.9	ND/UJ	ND	ND	32.7
031693LUK20SL00001	20-SB-05	8	10	ND	ND	253	ND	ND	26	14.1	ND	15.2	8	ND/UJ	ND	ND	33.7
031693LUK20SL00002	20-SB-05	16	18	ND	7 -	81.2	ND	ND	64	6.5	ND	8.4	5	ND/UJ	ND	ND	15.7
031693LUK20SL00003	20-SB-05	26	28	ND	16 -	218	ND	ND	66.3	22.4	ND	21.1	10	ND/UJ	ND	ND	44.8
031893LUK20SL00012	20-SB-06	8	10	ND	17 -	159	ND	ND	30.1	23.3	ND	20.4	10	ND/UJ	ND	ND	46.3
031893LUK20SL00013	20-SB-06	16	18	ND	ND	71.8	ND	ND	35.3	7.8	ND	7.9	6	ND/UJ	ND	ND	17.5
031893LUK20SL00014	20-SB-06	26	28	ND	ND	82.4	ND	ND	26.2	11.7	ND	11	4	ND/UJ	ND	ND	22.3
031793LUK20SL00005	20-SB-07	8	10	ND	ND	125	ND	0.8	27.7	16.9	ND	11.2	22	ND/UJ	ND	ND	37.6
031793LUK20SL00006D	20-SB-07	8	10	ND	ND	139	ND	0.6	25.2	19	ND	12	19	ND/UJ	ND	ND	39
031793LUK20SL00008	20-SB-07	16	18	ND	ND	72	ND	ND	40.6	8.9	ND	9.6	7	ND/UJ	ND	ND	18.1
031793LUK20SL00009	20-SB-07	26	28	ND	7 -	223	ND	ND	22.5	24	ND	19.9	11	ND/UJ	ND	ND	41.3
031893LUK20SL00015	20-SB-08	8	10	ND	ND	69.4	ND	ND	8	11.4	ND	7.8	7	ND/UJ	ND	ND	18.3
031893LUK20SL00016	20-SB-08	16	18	ND	7 -	180	ND	ND	36.2	18.7	ND	17.2	10	ND/UJ	ND	ND	39.4
031893LUK20SL00017	20-SB-08	26	28	ND	ND	254	ND	ND	45.8	26.8	ND	22.8	7	ND/UJ	ND	ND	50.6

Table 27-2. Metals Analytical Results for Soil Samples Collected at PSC SD-20, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
032393LUK20SL00034	20-SB-09	6	8	ND	16	532	ND	ND	38.9	13.3	ND	15	7	ND/UJ	ND	ND	39.4
032393LUK20SL00035	20-SB-09	14	16	ND	10	48.4	ND	ND	19.3	8.3	ND	8.6	6	ND/UJ	ND	ND	18.5
032393LUK20SL00036	20-SB-09	24	26	ND	11	266	ND	ND	26.3	18.6	ND	15.8	12	ND/UJ	ND	ND	40.9
032293LUK20SL00025	20-SB-10	6	8	ND	17	361	ND	ND	40.9	12	ND	15	8	ND/UJ	ND	ND	41.5
032293LUK20SL00026	20-SB-10	14	16	ND	9	134	ND	ND	25.9	8.5	ND	6.6	5	ND/UJ	ND	ND	19.3
032293LUK20SL00027	20-SB-10	24	26	ND	9	163	ND	ND	32.8	7.4	ND	7	6	ND/UJ	ND	ND	20
032293LUK20SL00019	20-SB-11	6	8	ND	9	86.1	ND	ND	16.8	19.8(j)	ND	10.2	5	ND/UJ	ND	ND	23.3
032293LUK20SL00020	20-SB-11	14	16	ND	ND	71	ND	ND	8.7	7.7	ND	6	7	ND/UJ	ND	ND	15.5
032293LUK20SL00021	20-SB-11	24	26	ND	12	114	ND	ND	28.2	13.4	ND	12.2	6	ND/UJ	ND	ND	29
032293LUK20SL00022	20-SB-12	6	8	ND	12	165	ND	ND	20.6	14.6	ND	13.5	9	ND/UJ	ND	ND	35
032293LUK20SL00023	20-SB-12	14	16	ND	26	147	ND	ND	39.4	33.4	ND	26.3	12	ND/UJ	ND	ND	61.1
032293LUK20SL00024	20-SB-12	24	26	ND	14	154	ND	ND	50.7	16.2	ND	16.2	6	ND/UJ	ND	ND	41.4
032393LUK20SL00029	20-SB-13	4	6	ND	16	143	ND	ND	21.2	17.2	ND	15.7	10	ND/UJ	ND	ND	41.2
032393LUK20SL00030	20-SB-13	12	14	ND	7	86.4	ND	ND	27.8	9.1	ND	10.5	5	ND/UJ	ND	ND	26
032393LUK20SL00031	20-SB-13	22	24	ND	14	140	ND	ND	28(j)	17.5	ND	15.8	11	ND/UJ	ND	ND	42.7(j)
032393LUK20SL00032D	20-SB-13	22	24	ND	16	181	ND	ND	26.4	22.7	ND	18.8	12	ND/UJ	ND	ND	49.1
041993LUK20SL00039	20-SB-14	4	6	ND	ND	140	ND	ND	19.9	15.2	ND	16	7	ND/UJ	ND	ND	44
041993LUK20SL00040	20-SB-14	12	14	ND	ND	38.5	ND	ND	12.3	6.3	ND	6.6	ND	ND/UJ	ND	ND	15.2
041993LUK20SL00041	20-SB-14	22	24	ND	ND	115	ND	ND	20.8	10.8	ND	11.8	7	ND/UJ	ND	ND	30.4
100291LUK20SD00001	20-SD-01	0	1	ND	ND	174	0.8	1.8	26.7	28.0	ND	20.2	19.3	ND/UJ	ND	ND	63.2
100291LUK20SD00002	20-SD-01	1	2	ND	ND	182	0.7	1.1	19.3	22.0	ND	17.1	10.3	ND/UJ	ND	ND	43.3
100291LUK20SD00003	20-SD-02	0	1	ND	ND	191	0.8	1.3	24.3	28.1	ND	21.8	15.9	ND/UJ	ND	ND	53.9
100291LUK20SD00004	20-SD-02	1	2	ND	ND	154	0.9	1.0	21.7	24.7	ND	19.4	12.2	ND/UJ	ND	ND	46.5
100291LUK20SD00005	20-SD-03	0	1	ND	ND	200	0.9	2.7	42.3	34.5	ND	24.9	30.5	ND/UJ	ND	ND	75.9
100291LUK20SD00006	20-SD-03	1	2	ND	ND	144	0.8	0.9	16.4	21.0	ND	15.6	11.2	ND/UJ	ND	ND	37.3
100291LUK20SD00007	20-SD-04	0	1	ND	ND	101	0.6	0.7	13.6	17.7	ND	12.7	9.6	ND/UJ	ND	ND	31.4
100291LUK20SD00008	20-SD-04	1	2	ND	ND	77.9	ND	0.5	8.4	11.1	ND	8.5	7.2	ND/UJ	ND	ND	22.9
111391LUK20SD00009	20-SD-05	0	1	ND	ND	131	ND	2.1	26.6	23.8	ND	12	38	ND/UJ	ND	ND	54.2
111391LUK20SD00010	20-SD-05	1	2	ND	ND	111	ND	3.8	57.1	28.0	ND	12	33	ND/UJ	ND	ND	50.3
111391LUK20SD00011	20-SD-06	0	1	ND	ND	132	ND	1.4	15.6	19.2	ND	13	19	ND/UJ	ND	ND	43.4
111391LUK20SD00012	20-SD-06	1	2	ND	ND	53.4	ND	ND	3.1	6.5	ND	6	ND	ND/UJ	ND	ND	12.0
111391LUK20SD00013	20-SD-07	0	1	ND	ND	229	ND	0.6	24.2	21.4	ND	17	13	ND/UJ	ND	ND	45.0
111391LUK20SD00014	20-SD-07	1	2	ND	ND	309	ND	0.6	31.2	26.3	ND	20	13	ND/UJ	ND	ND	50.0
111391LUK20SD00033D	20-SD-07	0	1	ND	ND	200	ND	ND	15.0	16.4	ND	12	12	ND/UJ	ND	ND	33.7
100291LUK20SD00015	20-SD-08	0	1	ND	6.1	176	0.6	1.2	31.5	14.6	ND	11.1	12.6	ND/UJ	ND	ND	33.2
100291LUK20SD00016	20-SD-08	1	2	ND	10.9	141	ND	0.6	44.9	9.1	ND	9.0	7.5	ND/UJ	ND	ND	19.1
100291LUK20SD00017	20-SD-09	0	1	ND	ND	130	0.5	1.0	81.0	11.5	ND	10.2	8.1	ND/UJ	ND	ND	25.0
100291LUK20SD00018D	20-SD-09	0	1	ND	ND	124	0.5	0.9	81.5	10.4	ND	8.6	7.7	ND/UJ	ND	ND	21.7
100291LUK20SD00020	20-SD-09	1	2	ND	ND	163	ND	0.9	47.4	6.8	ND	5.3	ND	ND/UJ	ND	ND	13.5
100291LUK20SD00021	20-SD-10	0	1	ND	ND	81.7	ND	0.6	8.8	10.8	ND	7.5	5.8	ND/UJ	ND	ND	18.1
100291LUK20SD00022	20-SD-10	1	2	ND	ND	43.9	ND	ND	5.1	9.5	ND	5.1	ND	ND/UJ	ND	ND	11.9
100291LUK20SD00023	20-SD-11	0	1	ND	5.0	270	0.8	1.9	33.7	26.3	ND	18.5	22.7	ND/UJ	ND	ND	58.1
100291LUK20SD00024	20-SD-11	1	2	ND	8.5	256	0.9	1.7	24.8	33.5	ND	22.0	14.1	ND/UJ	ND	ND	ND
111391LUK20SD00025	20-SD-12	0	1	ND	ND	213	ND	1.4	35.5	18.3	ND	13	20	ND/UJ	ND	ND	44.0

Table 27-2. Metals Analytical Results for Soil Samples Collected at PSC SD-20, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
111391LUK20SD00026	20-SD-12	1	2	ND	ND	160	ND	0.6	40.2	12.5	ND	10	6	ND/UJ	ND	ND	22.4
111391LUK20SD00027	20-SD-13	0	1	ND	ND	211	ND	1.8	33.7	29.6	ND	13	39	ND/UJ	ND	ND	54.6
111391LUK20SD00028	20-SD-13	1	2	ND	ND	148	ND	0.6	35.6	12.5	ND	12	14	ND/UJ	ND	ND	28.4
111391LUK20SD00029	20-SD-14	0	1	ND	ND	208	ND	1.6	21.5	19.9	ND	12	31	ND/UJ	ND	ND	54.9
111391LUK20SD00030	20-SD-14	1	2	ND	ND	153	ND	ND	21.0	11.2	ND	9	7	ND/UJ	ND	ND	22.1
111391LUK20SD00031	20-SD-15	0	1	ND	ND	176	ND	2.1	25.0	23.6	ND	13	35	ND/UJ	ND	ND	73.8
111391LUK20SD00032	20-SD-15	1	2	ND	ND	195	ND	0.7	28.9	14.8	ND	12	13	ND/UJ	ND	ND	35.6

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location	Ag	Silver	Hg	Mercury	j	Data are considered estimated	NA	Not analyzed
SB	Soil boring location	As	Arsenic	Ni	Nickel	r	Data are considered unusable	ND	Not detected
TP	Test pit location	Ba	Barium	Pb	Lead	uj	Data are considered estimated and not detected at the reported value	TR	Trace amount; unquantifiable
SM	Solid waste matrix	Be	Beryllium	Sb	Antimony			*	Constituent detected in method blank
MW	Monitoring well location	Cd	Cadmium	Se	Selenium				
D	Duplicate sample	Cr	Chromium	Tl	Thallium				
<	Less Than	Cu	Copper	Zn	Zinc				

Table 30-1. Non-Metal Constituents Results for Soil Samples Collected at DP-23, Operable Unit No. 2, Remedial Investigation, Luke Air Force Base, Arizona.

Sample I.D.	Location	Depth	PCBs	TRPH	VOCs		BNAs		
020592-LUK23-SL00001	SB-1	0-2	NA	1300A	ND u		PYR <0.17Tr CRY <0.17T BEP 0.75	BZB <0.17Tr A BZP <0.17Tr A- * A	
020592-LUK23-SL00002	SB-1	8-10	NA	120	ND		ND		
020592-LUK23-SL00004	SB-1	24-26	NA	<10	ND	[UQ]	ND		[UQ]
020592-LUK23-SL00005	SB-1	36-38	NA	<10	ND		ND		
020692-LUK23-SL00006	SB-2	0-2	ND	88	ND		PHEN 0.22 FLU 0.4 PYR 0.61 BZA 0.29 CRY 0.35	BEP 2.2 BZB 0.5 IND 0.28 BZP 0.35- *	
020692-LUK23-SL00007	SB-2	6-8	NA	<10	ND		ND		
020692-LUK23-SL00008	SB-2	10-12	NA	<10	ND		ND		
020692-LUK23-SL00021	SB-2	148-150	NA	<10	ND	[UQ]	ND		[UQ]
021192-LUK23-SL00023	SB-3	0-2	ND	330A	ND	[UQ]	ND		[UQ]
021192-LUK23-SL00024D	SB-3	0-2	ND	600A	ND	[UQ]	ND		[UQ]
021192-LUK23-SL00028	SB-3	24-26	NA	<20	ND	[UQ]	ND		[UQ]
021192-LUK23-SL00029	SB-3	34-36	NA	<10A	ND	[UQ]	ND		[UQ]
041492LUK23SL00035	SB-4	0-2	ND	80	TOL <0.05 tr EB <0.05 tr XYL 0.3	[UQ]	PHEN 1.7 FLU 4.3 PYR 4.7 BZA 2.5- CRY 3.6	BZB 5.7- IND 1.7 BZP 2.8- BZG 2.0	A, [UQ]
041492LUK23SL00036D	SB-4	0-2	ND	90	ND	[UQ]	PHEN 6.2 FLU 9.9 PYR 13 BZA 6.6 - CRY 7.5-	BZB 1.3- ANT 1.3 BZP 3.3 - BZG 4.0 BZK 5.8-	[UQ]

Table 30-1. Non-Metal Constituents Results for Soil Samples Collected at DP-23, Operable Unit No. 2, Remedial Investigation, Luke Air Force Base, Arizona.

Sample I.D.	Location	Depth	PCBs	TRPH	VOCs		BNAs		
041492LUK23SL00038	SB-4	2-4	NA	2000	ND	[UQ]			[UQ]
041492LUK23SL00045	SB-4	78-80	NA	<10	ND	[UQ]	ND		[UQ]
041592LUK23SL00052	SB-4	148-150	NA	<10	ND	[UQ]	ND		[UQ]
041592LUK23SL00054	SB-5	0-2	ND	30	ND	[UQ]	PHEN 0.39 FLU 1.7 PYR 1.5 BZA 1.1 - CRY 1.6	BZB 4.0 - IND 0.51 BZP 1.4 - BZG 0.52 *	[UQ]
041592LUK23SL00055	SB-5	6-8	NA	30	ND	[UQ]	ND*		[UQ]
041592LUK23SL00056	SB-5	10-12	NA	<10	ND	[UQ]	ND		[UQ]
041592LUK23SL00058	SB-5	38-40	NA	<10	ND	[UQ]	ND		[UQ]
041592LUK23SL00059	SB-6	0-2	ND	<10	ND	[UQ]	ND		[UQ]
041592LUK23SL00060	SB-6	2-4	NA	10	ND	[UQ]	ND		[UQ]
041592LUK23SL00061	SB-6	18-20	NA	<10	ND	[UQ]	ND		[UQ]
041592LUK23SL00063	SB-6	38-40	NA	<10	ND	[UQ]	ND		[UQ]
120991-LUK23-SD00001	SD-1	0-1	ND	50	ND	[UQ]	ND		[UQ]
120991-LUK23-SD00002	SD-1	1-2	ND	<10	ND	[UQ]	ND		[UQ]
120991-LUK23-SD00003	SD-2	0-1	ND	20	ND	[UQ]	ND		[UQ]
120991-LUK23-SD00004	SD-2	1-2	ND	20	ND	[UQ]	ND		[UQ]

Table 30-1. Non-Metal Constituents Results for Soil Samples Collected at DP-23, Operable Unit No. 2, Remedial Investigation, Luke Air Force Base, Arizona.

Sample I.D.	Location	Depth	PCBs	TRPH	VOCs		BNAs		
120991-LUK23-SD00005	SD-3	0-1	ND	30	ND	[UQ]	ND		[UQ]
120991-LUK23-SD00006	SD-3	1-2	ND	100	ND	[UQ]	ND		[UQ]
120991-LUK23-SD00007	SD-4	0-1	ND	10	ND	[UQ]	BZA 0.20	IND 0.20	[UQ]
							CRY 0.48	DBA 0.21	[UQ]
							BZB 0.43	BZG 0.27	[UQ]
							BZP 0.21-		[UQ]
120991-LUK23-SD00008	SD-4	1-2	ND	20	ND	[UQ]	ND		[UQ]
120991-LUK23-SD00009	SD-5	0-1	ND	80	ND	[UQ]	PHEN 0.3	BZB 0.79 -	[UQ]
							FLU 0.67	BZP 0.42-	[UQ]
							PYR 0.53	IND 0.21	[UQ]
							BZA 0.52	DBA tr	[UQ]
							CRY 1.0	BZG 0.29	[UQ]
120991-LUK23-SD00010	SD-5	1-2	ND	20	ND	[UQ]	ND*		[UQ]
020692-LUK23-SD00012	SD-6	0-1	ND	<10	ND		ND		
020692-LUK23-SD00013D	SD-6	0-1	ND	<10	ND		ND		
020692-LUK23-SD00015	SD-6	1-2	ND	<10	ND		ND		
020692-LUK23-SD00016	SD-7	0-1	ND	29	ND		BZB 0.17	BZP <0.17 tr -	
							FLU <0.17	IND <0.17 tr	
							PYR <0.17	CRY <0.17 tr	
020692-LUK23-SD00017	SD-7	1-2	ND	26	ND		FLU <0.17	PYR <0.17 tr	
020692-LUK23-SD00018	SD-8	0-1	ND	<10	ND		BZB 0.19	IND <0.17 tr	
							PYR 0.17	CRY <0.17 tr	
							FLU <0.17	BZG <0.17 tr	
							BZA <0.17	BZP <0.17 tr -	

Table 30-1. Non-Metal Constituents Results for Soil Samples Collected at DP-23, Operable Unit No. 2, Remedial Investigation, Luke Air Force Base, Arizona.

Sample I.D.	Location	Depth	PCBs	TRPH	VOCs	BNAs
020692-LUK23-SD00019	SD-8	1-2	ND	<10	ND	BZB <0.17 tr
020692-LUK23-SD00020	SD-9	0-1	ND	<10	ND	ND
020692-LUK23-SD00021	SD-9	1-2	ND	<10	ND	ND
020692-LUK23-SD00022	SD-10	0-1	ND	36	ND	ND
020692-LUK23-SD00023	SD-10	1-2	ND	22	ND	ND

Concentrations are in milligrams per kilogram (mg/kg).
* Tentatively identified compound(s) (TICs) detected.
D Duplicate sample.
d Sample dilution required for analysis of this compound.
A Data is qualitative only.
U Unusable data.
NA Not analyzed.
ND Not detected.
(#) Dilution factor.
EB Ethyl benzene.
XYL Totals Xylenes.
1,1 DCE 1,1-dichloroethene.
ATC 1,1,2,2-tetrachloroethane.
TCE Trichloroethane.
BZ Benzene.
TPH Total Petroleum Hydrocarbons (method 418.1AZ)

BA Benzyl alcohol.
PYR Pyrene.
BZA Benzo(a)anthracene.
CRY Chrysene.
BZB Benzo(b)fluoranthene.
BEP Bis (2-ethylhexyl) phthalate.
PHEN Phenanthrene.
FLU Fluoranthene.
BZG Benzo(g,h,i)perylene.
IND Indeno (1,2,3-cd) pyrene.
BZP Benzo(a)pyrene.
PCE Tetrachloroethene.
TOL Toluene.
NAP Naphthalene.
2MNAP 2-methylnaphthalene.
[UQ] ATI-Phoenix data of unknown quality as determined by the FFA Parties

ANT antracene

Table 30-2. Metals Analytical Results for Soil Samples Collected at PSC DP-23, OU-2, Remedial Investigation, Luke Air Force Base, Arizona

Sample ID	Location	Depth	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
120991LUK23SD00001	SD-1	0-1	<1	<5	110	<0.5	<0.5	7.2	10.5	<0.25	9	9	<5 A	<10	<20	30.0
120991LUK23SD00002	SD-1	1-2	<1	<5	71.9	<0.5	<0.5	10.0	13.1	<0.25	9	9	<5 A	<10	<20	29.8
120991LUK23SD00003	SD-2	0-1	<1	6	156	0.7	<0.5	18.6	24.3	<0.25	18	14	<5 A	<10	<20	53.4
120991LUK23SD00004	SD-2	1-2	<1	<5	135	<0.5	<0.5	17.4	23.3	<0.25	18	14	<5 A	<10	<20	50.1
120991LUK23SD00005	SD-3	0-1	<1	<5	96.6	0.8	<0.5	13.1	16.1	<0.25	12	11	<5 A	<10	<20	32.0
120991LUK23SD00006	SD-3	1-2	<1	<5	94.3	<0.5	<0.5	12.6	15.2	<0.25	12	11	<5 A	<10	<20	29.7
120991LUK23SD00007	SD-4	0-1	<1	<5	171	0.9	<0.5	20.4	30.9	<0.25	22	18	<5 A	<10	<20	64.4
120991LUK23SD00008	SD-4	1-2	<1	<5	130	0.7	<0.5	19.5	25.6	<0.25	19	13	<5 A	<10	<20	51.6
120991LUK23SD00009	SD-5	0-1	<1	<5	92.9	<0.5	<0.5	12.0	17.7	<0.25	12	11	<5 A	<10	<20	42.9
120991LUK23SD00010	SD-5	1-2	<1	<5	66.4	<0.5	<0.5	7.1	9.7	<0.25	7	7	<5 A	<10	<20	21.4
020692LUK23SD00012	SD-6	0-1	<1.0	5.0	218	0.7	<0.5	19.1	24.9	<0.25	17.8	14.3	<5.0A	<10.0	<20.0	56.8
020692LUK23SD00013D	SD-6	0-1	<1.0	<5.0	196	0.8	<0.5	21.1	26.0	<0.25	19.0	15.1	<5.0A	<10.0	<20.0	64.2
020692LUK23SD00015	SD-6	1-2	<1.0	<5.0	163	0.6	<0.5	16.8	21.3	<0.25	14.8	11.6	<5.0A	<10.0	<20.0	39.3
020692LUK23SD00016	SD-7	0-1	<1.0	<5.0	140	0.8	<0.5	27.4	39.7	<0.25	20.2	26.1	<5.0A	<10.0	<20.0	132
020692LUK23SD00017	SD-7	1-2	<1.0	<5.0	51.2	<0.5	<0.5	9.3	11.8	<0.25	7.4	9.3	<5.0A	<10.0	<20.0	40.2
020692LUK23SD00018	SD-8	0-1	<1.0	5.7	152	0.8	<0.5	24.0	28.5	<0.25	20.5	18.9	<5.0A	<10.0	<20.0	83.2
020692LUK23SD00019	SD-8	1-2	<1.0	<5.0	122	0.6	<0.5	18.4	21.6	<0.25	16.1	12.4	<5.0A	<10.0	<20.0	48.8
020692LUK23SD00020	SD-9	0-1	<1.0	6.3	149	0.6	<0.5	19.1	23.8	<0.25	16.6	16.9	<5.0A	<10.0	<20.0	62.7
020692LUK23SD00021	SD-9	1-2	<1.0	<5.0	172	<0.5	<0.5	12.3	14.6	<0.25	9.2	8.2	<5.0A	<10.0	<20.0	25.8
020692LUK23SD00022	SD-10	0-1	<1.0	6.9	208	0.8	1.3	54.3	30.2	<0.25	21.3	34.1	<5.0A	<10.0	<20.0	80.1
020692LUK23SD00023	SD-10	1-2	<1.0	5.1	127	0.6	<0.5	15.2	17.4	<0.25	12.8	10.8	<5.0A	<10.0	<20.0	34.2
020392LUK23SL00001	SB-1	0-2	<1	<5	132	0.5	<0.5	15.9	24.6	<0.25	16.2	21.6	<5.0A	<10.0	<20.0	38.6
052292LUK23SL99901E	SB-1	0-2	<1	<5	109	<0.5	<0.5	13.0	17.7	<0.25	15	19	<0.5	<10.0	<20.0	40.1
020392LUK23SL00002	SB-1	8-10	<1.0	6.2	222	0.7	<0.5	16.5	21.1	<0.25	16.8	12.4	<5.0A	<10.0	<20.0	45.1

Table 30-2. Metals Analytical Results for Soil Samples Collected at PSC DP-23, OU-2, Remedial Investigation, Luke Air Force Base, Arizona

Sample ID	Location	Depth	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
020392LUK23SL00004	SB-1	24-26	<1.0	8.8-	184	0.6	<0.5	30.1	17.3	<0.25	13.6	7.2	<5.0A	<10.0	<20.0	30.9
020392LUK23SL00005	SB-1	36-38	<1.0	<5.0	229	<0.5	<0.5	17.3	13.7	<0.25	10.2	7.2	<5.0A	<10.0	<20.0	30.8
020692LUK23SL00006	SB-2	0-2	<1.0	5.6-	75.4	<0.5	<0.5	8.2	14.4	<0.25	10.8	9.7	<5.0A	<10.0	<20.0	22.6
020692LUK23SL00007	SB-2	6-8	<1.0	5.3-	190	0.6	<0.5	12.8	12.3	<0.25	10.0	7.2	<5.0A	<10.0	<20.0	28.0
020692LUK23SL00008	SB-2	10-12	<1	<5 -	221	<0.5	<0.5	27.0	17.0	<0.25	18	13	<5 A	<10	<20	40.4
020692LUK23SL00021	SB-2	148-150	<1.0	<5.0	152	<0.5	<0.5	8.4	10.6	<0.25	8.1	<5.0	<5.0A	<10.0	<20.0	18.0
021192LUK23SL00023	SB-3	0-2	1	<5	75.2	<0.5	0.5	7.9	14.4	<0.25	11	23	<5 A	<10	<20	106
021192LUK23SL00024D	SB-3	0-2	1	<5	84.3	<0.5	0.7	7.1	15.3	<0.25	13	23	<5 A	<10	<20	130
021192LUK23SL00028	SB-3	24-26	<1	<5	198	<0.5	<0.5	17.7	23.0	<0.25	16	12	<5 A	<10	<20	39.4
021192LUK23SL00029	SB-3	38-40	<1	<5	245	<0.5	0.6	17.7	17.8	<0.25	16	12	<5 A	<10	<20	42.3
041492LUK23SL00035	SB-4	0-2	<1	6.0-	105	<0.5	0.7	9.9	25.4	<0.25	13.0	26.0	<0.5	<10.0	<20.0	50.4
041492LUK23SL00036D	SB-4	0-2	<1	<5	94.1	<0.5	0.7	6.0	39.9	<0.25	9.0	19.0	<0.5	<10.0	<20.0	65.2
041492LUK23SL00038	SB-4	2-4	<1	<5	72.2	<0.5	<0.5	6.5	12.9	<0.25	10.0	15.0	<0.5	<10.0	<20.0	25.8
041492LUK23SL00045	SB-4	78-80	<1	<5	141	<0.5	<0.5	12.0	12.4	<0.25	11.0	11.0	<0.5	<10.0	<20.0	23.5
041592LUK23SL00052	SB-4	148-150	<1	6.0-	108	<0.5	<0.5	11.0	14.5	<0.25	12.0	9.0	<0.5	<10.0	<20.0	25.3
041592LUK23SL00054	SB-5	0-2	<1	7.0-	110	<0.5	0.6	12.5	16.2	<0.25	13.0	12.0	<0.5	<10.0	<20.0	53.8
041592LUK23SL00055	SB-5	6-8	<1	<5	163	<0.5	<0.5	11.0	15.8	<0.25	12.0	11.0	<0.5	<10.0	<20.0	32.5
041592LUK23SL00056	SB-5	10-12	<1	6.0-	243	<0.5	<0.5	31.5	15.6	<0.25	14.0	11.0	<0.5	<10.0	<20.0	34.4
041592LUK23SL00058	SB-5	38-40	<1	9.0-	217	<0.5	<0.5	31.3	15.2	<0.25	17.0	10.0	<0.5	<10.0	<20.0	44.7
041592LUK23SL00059	SB-6	0-2	<1	<5	154	<0.5	<0.5	24.1	26.5	<0.25	21.0	14.0	<0.5	<10.0	<20.0	56.6
041592LUK23SL00060	SB-6	2-4	<1	<5	78.0	<0.5	<0.5	10.1	12.7	<0.25	10.0	8.0	<0.5	<10.0	<20.0	27.1
041592LUK23SL00061	SB-6	18-20	<1	<5	77.6	<0.5	<0.5	16.9	14.3	<0.25	12.0	10.0	<0.5	<10.0	<20.0	28.1
041592LUK23SL00063	SB-6	38-40	<1	<5	325	<0.5	<0.5	24.1	18.2	<0.25	18.0	12.0	<0.5	<10.0	<20.0	42.9

Concentrations are in milligrams per kilogram (mg/kg).

A Data is qualitative, failed validation requirements for quantitative data.

D Duplicate sample.

E Additional sample collected.

Table 32-2. Non-Metal Constituents Results for Soil Samples Collected at LF-25, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
032593LUK25SL00006	25-SB-1	0	2	NA	290		ND	[UQ]	No	ND	[UQ]	No	<0.5
032593LUK25SL00007	25-SB-1	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
032593LUK25SL00008	25-SB-1	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
032693LUK25SL00009	25-SB-2	0	2	NA	40		ND	[UQ]	No	ND	[UQ]	No	<0.5
032693LUK25SL00010	25-SB-2	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
032693LUK25SL00011	25-SB-2	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
032593LUK25SL00001	25-SB-3	0	2	NA	<10	j	ND	[UQ]	No	ND	[UQ]	No	<0.5
032593LUK25SL00002D	25-SB-3	0	2	NA	50	j	ND	[UQ]	No	ND	[UQ]	No	<0.5
032593LUK25SL00004	25-SB-3	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
032593LUK25SL00005	25-SB-3	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
101791LUK25SM00001	25-TP-01	2	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
101791LUK25SM00002	25-TP-01	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
101791LUK25SM00003	25-TP-02	2	4	NA	10		ND	[UQ]	No	ND	[UQ]	No	<0.5
101791LUK25SM00004	25-TP-02	10	10	NA	<10		ND	[UQ]	No	DNB	r [UQ]	No	<0.5
101791LUK25SM00005	25-TP-03	2	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
101791LUK25SM00006	25-TP-03	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
101791LUK25SM00007	25-TP-04	2	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
101791LUK25SM00008	25-TP-04	10	10	NA	10		ND	[UQ]	No	ND	[UQ]	No	<0.5
101791LUK25SM00009	25-TP-05	1	2	NA	30		ND	[UQ]	No	ND	[UQ]	No	<0.5
101791LUK25SM00010D	25-TP-05	1	2	NA	50		ND	[UQ]	No	ND	[UQ]	No	<0.5
101791LUK25SM00012	25-TP-05	10	10	NA	<10		ACE	r [UQ]	No	ND	[UQ]	No	1.0
101891LUK25SM00015	25-TP-06	1	1	NA	20		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
101891LUK25SM00016	25-TP-06	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
101891LUK25SM00017	25-TP-07	2	2	NA	60		ND	[UQ]	No	ND	[UQ]	No	<0.5
101891LUK25SM00018	25-TP-07	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
101891LUK25SM00019	25-TP-08	2	2	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
101891LUK25SM00020	25-TP-08	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
101891LUK25SM00021	25-TP-09	0.5	0.5	NA	50		ND	[UQ]	No	ND	[UQ]	No	<0.5
101891LUK25SM00022	25-TP-09	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
102191LUK25SM00024	25-TP-10	2	2	NA	90		ND	[UQ]	No	ND	[UQ]	No	<0.5
102191LUK25SM00024	25-TP-10	2	2							FLU 0.95	[UQ]	Yes	<0.5
102191LUK25SM00024	25-TP-10	2	2							PYR 1.0	[UQ]		
102191LUK25SM00024	25-TP-10	2	2							BZA 1.2 -	[UQ]		
102191LUK25SM00024	25-TP-10	2	2							CRY 1.2	[UQ]		
102191LUK25SM00024	25-TP-10	2	2							BZB 2.3-	[UQ]		
										PHEN TR	[UQ]		

Table 32-2. Non-Metal Constituents Results for Soil Samples Collected at LF-25, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
102191LUK25SM00024	25-TP-10	2	2							BZP 1.5 –	[UQ]		
102191LUK25SM00024	25-TP-10	2	2							IND 0.9 –	[UQ]		
102191LUK25SM00024	25-TP-10	2	2							DBA 0.54	[UQ]		
102191LUK25SM00024	25-TP-10	2	2							BZG 0.96	[UQ]		
102191LUK25SM00025	25-TP-10	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	No	<0.5
102191LUK25SM00026	25-TP-11	6	9	NA	<10		ND	[UQ]	No	ND	[UQ]	No	0.5
102191LUK25SM00027	25-TP-11	2	2	NA	150		ND	[UQ]	No	ND	[UQ]	No	<0.5
102191LUK25SM00028	25-TP-12	1	2	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
102191LUK25SM00029	25-TP-12	10	10	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	NA
102291LUK25SM00031	25-TP-13	1	1.5	NA	30		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
102291LUK25SM00032	25-TP-13	11	12	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	<0.5
102291LUK25SM00033	25-TP-14	8	8	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes	0.75
102291LUK25SM00034	25-TP-14	1	2	NA	190		ND	[UQ]	No	FLU TR	[UQ]	Yes	<0.5
102291LUK25SM00034	25-TP-14	1	2							PYR TR	[UQ]		
102291LUK25SM00034	25-TP-14	1	2							BZA TR	[UQ]		
102291LUK25SM00034	25-TP-14	1	2							CRY TR	[UQ]		
102291LUK25SM00034	25-TP-14	1	2							BZB 0.3	[UQ]		
102291LUK25SM00034	25-TP-14	1	2							BZP TR	[UQ]		
102291LUK25SM00034	25-TP-14	1	2							IND TR	[UQ]		
102291LUK25SM00034	25-TP-14	1	2							BZG TR	[UQ]		
102391LUK25SM00036	25-TP-15	1	1	NA	160		ND	[UQ]	No	ND	[UQ]	No	<0.5
102391LUK25SM00037	25-TP-15	7	7	NA	250		ND	[UQ]	No	CRY 0.17	j [UQ]	No	<0.5
102391LUK25SM00037	25-TP-15	7	7							BZB 0.33	j [UQ]		
102391LUK25SM00038D	25-TP-15	7	7	NA	220		ND	[UQ]	No	FLU 0.54	j [UQ]	No	<0.5
102391LUK25SM00038D	25-TP-15	7	7							PYR 0.56	j [UQ]		
102391LUK25SM00038D	25-TP-15	7	7							BZA 0.57	j [UQ]		
102391LUK25SM00038D	25-TP-15	7	7							CRY 0.57	j [UQ]		
102391LUK25SM00038D	25-TP-15	7	7							BZB 0.75 –	j [UQ]		
102391LUK25SM00038D	25-TP-15	7	7							BZK 0.63 –	j [UQ]		
102391LUK25SM00038D	25-TP-15	7	7							BZP 0.42 –	j [UQ]		
102391LUK25SM00038D	25-TP-15	7	7							IND 0.25	j [UQ]		
102391LUK25SM00038D	25-TP-15	7	7							BZG 0.27	j [UQ]		
082396LUK025 SL00129	25-SB-4	8	10	NA	NA		XYL 0.14 J		NA	ND		NA	NA
082396LUK025 SL00130	25-SB-5	8	10	NA	NA		ND		NA	BZA 0.12 J		NA	NA
082396LUK025 SL00130	25-SB-5	8	10							BZP 0.1 J –			

Table 32-2. Non-Metal Constituents Results for Soil Samples Collected at LF-25, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Cyanide
082396LUK025 SL00130	25-SB-5	8	10							BZB 0.21 J			
082396LUK025 SL00130	25-SB-5	8	10							BZK 0.15 J			
082396LUK025 SL00130	25-SB-5	8	10							CRY 0.21 J			
082396LUK025 SL00130	25-SB-5	8	10							FLU 0.2 J			
082396LUK025 SL00130	25-SB-5	8	10							PYR 0.22 J			

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location
SB	Soil boring location
TP	Test pit location
SM	Solid waste matrix
MW	Monitoring well location
D	Duplicate sample
<	Less Than
NA	Not analyzed
ND	Not detected
TR	Trace amount; unquantifiable
*	Constituent detected in method blank
j	Data are considered estimated
r	Data are considered unusable
uj	Data are considered estimated and not detected at the reported value
f.comp	Composite from fine-grained sample
c.comp	Composite from coarse-grained sample
ACE	Acetone
ANT	Anthracene
BBP	Butylbenzylpthalate
BEP	Bis(2-ethylhexyl)pthalate
BNA's	Base/neutral and acid extractable compounds
BZ	Benzene
BZA	Benzo(a)anthracene
BZB	Benzo(b)fluoranthene
BZG	Benzo(g,h,i)perylene
TRPH	Total Recoverable Petroleum Hydrocarbons
VOCs	Volatile Organi Compounds
2MNA	2-Methylnaphthalene
NAP	Naphthalene
XYL	Total Xylenes
PYR	Pyrene
BZK	Benzo(k)fluoranthene
BZP	Benzo(a)pyrene
CRY	Chryzene
DCE	1,1 Dichloroethene
EB	Ethyl benzene
FLU	Fluoranthene
DBA	Dibenzo(a,h)anthracene
DNB	Di-n-butyl phthalate
IND	Indeno(1,2,3-cd)pyrene
MEK	Methyl Ethyl Ketone
MIBK	Methyl Iso-Butyl Ketone
PHEN	Phenanthrene
TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
TOL	Toluene
PCE	Perchloroethene
[UQ]	ATI-Phoenix data of unknown quality as determined by the FFA Parties

Table 32-3. Metals Analytical Results for Soil Samples Collected at PSC LF-25, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
032593LUK25SL00006	25-SB-1	0	2	ND	ND	146	ND	ND	19.5	22.7	ND	17.4	14	ND	ND	ND	54.7
032593LUK25SL00007	25-SB-1	8	10	ND	ND	177	ND	ND	24.8	24.9	ND	19.4	12	ND	ND	ND	57.8
032593LUK25SL00008	25-SB-1	18	20	ND	ND	53.4	ND	ND	5.5	8.7	ND	5.6	5	ND	ND	ND	16.8
032693LUK25SL00009	25-SB-2	0	2	ND	ND	148	ND	ND	19.4	18.4	ND	15.2	11	ND	ND	ND	45.2
032693LUK25SL00010	25-SB-2	8	10	ND	ND	148	ND	ND	21	19.6	ND	17.9	10	ND	ND	ND	50.7
032693LUK25SL00011	25-SB-2	18	20	ND	ND	33.7	ND	ND	8.6	9.9	ND	6.7	ND	ND	ND	ND	16.7
032593LUK25SL00001	25-SB-3	0	2	ND	ND	139	ND	ND	17	20.2	ND	15.7	12	ND	ND	ND	46.3
032593LUK25SL00002D	25-SB-3	0	2	ND	ND	147	ND	ND	13.8	17.8	ND	14	15	ND	ND	ND	41
032593LUK25SL00004	25-SB-3	8	10	ND	ND	104	ND	ND	17.2	17.9	ND	14.8	9	ND	ND	ND	44
032593LUK25SL00005	25-SB-3	18	20	ND	ND	134	ND	ND	17.8	17.2	ND	14.7	10	ND	ND	ND	38.2
101791LUK25SM00001	25-TP-01	2	2	ND	ND	163	ND	ND	12.9	16.1	ND	13	11	ND\UJ	ND	ND	33.2
101791LUK25SM00002	25-TP-01	10	10	ND	ND	143	ND	ND	11.8	15.6	ND	14	9	ND\UJ	ND	ND	45.2
101791LUK25SM00003	25-TP-02	2	4	ND	ND	138	0.6	ND	12.3	20.2	ND	14	16	ND\UJ	ND	ND	43.6
101791LUK25SM00004	25-TP-02	10	10	ND	ND	179	ND	ND	5.8	9.1	ND	9	7	ND\UJ	ND	ND	17.7
101791LUK25SM00005	25-TP-03	2	2	ND	ND	148	0.7	ND	16.0	23.4	ND	19	15	ND\UJ	ND	ND	47.5
101791LUK25SM00006	25-TP-03	10	10	ND	ND	60.5	ND	ND	4.6	8.7	ND	7	ND	ND\UJ	ND	ND	14.0
101791LUK25SM00007	25-TP-04	2	2	ND	ND	109	ND	ND	13.4	19.1	ND	15	12	ND\UJ	ND	ND	48.4
101791LUK25SM00008	25-TP-04	10	10	ND	ND	145	0.7	0.6	18.4	23.3	ND	19	12	ND\UJ	ND	ND	48.7
101791LUK25SM00009	25-TP-05	1	2	ND	ND	160	ND	0.6	18.3	27.1	ND	19	17	ND\UJ	ND	ND	56.1
101791LUK25SM00010D	25-TP-05	1	2	ND	ND	163	ND	ND	18.5	27.7	ND	20	15	ND\UJ	ND	ND	63.0
101791LUK25SM00012	25-TP-05	10	10	ND	ND	118	ND	ND	12.4	18.7	ND	15	11	ND\UJ	ND	ND	40.4
101891LUK25SM00015	25-TP-06	1	1	ND	ND	140	1.5	0.5	16.0	23.3	ND	16	15	ND\UJ	ND	ND	51.5
101891LUK25SM00016	25-TP-06	10	10	ND	ND	140	1.7	ND	14.9	22.3	ND	17	13	ND\UJ	ND	ND	50.5
101891LUK25SM00017	25-TP-07	2	2	ND	ND	132	1.7	ND	15.9	23.0	ND	16	13	ND\UJ	ND	ND	50.6
101891LUK25SM00018	25-TP-07	10	10	ND	ND	120	1.3	0.5	11.4	18.6	ND	12	10	ND\UJ	ND	ND	39.8
101891LUK25SM00019	25-TP-08	2	2	ND	ND	142	2.0	ND	13.2	19.7	ND	14	12	ND\UJ	ND	ND	46.1
101891LUK25SM00020	25-TP-08	10	10	ND	ND	114	1.4	ND	11.1	16.6	ND	12	10	ND\UJ	ND	ND	41.5
101891LUK25SM00021	25-TP-09	0.5	0.5	ND	6	152	7.6	0.5	22.1	36.9	ND	21	66	ND\UJ	ND	ND	53.9
101891LUK25SM00022	25-TP-09	10	10	ND	ND	39.0	ND	ND	3.9	9.2	ND	5	7	ND\UJ	ND	ND	21.3
102191LUK25SM00024	25-TP-10	2	2	ND	ND	118	4.4	ND	10.8	20.4	ND	13	19	ND\UJ	ND	ND	39.5
102191LUK25SM00025	25-TP-10	10	10	ND	ND	45.1	1.0	ND	3.1	9.5	ND	5	6	ND\UJ	ND	ND	16.0
102191LUK25SM00026	25-TP-11	6	9	ND	ND	43.4	1.2	ND	2.8	9.9	ND	5	9	ND\UJ	ND	ND	14.9
102191LUK25SM00027	25-TP-11	2	2	ND	16	121	2.5	ND	10.4	24.4	ND	14	10100	368 J	ND	ND	40.0
102191LUK25SM00028	25-TP-12	1	2	2	ND	112	2.0	0.5	8.6	16.7	ND	11	24	ND\UJ	ND	ND	31.7
102191LUK25SM00029	25-TP-12	10	10	ND	ND	129	3.5	ND	12.4	20.4	ND	16	15	ND\UJ	ND	ND	41.4
102291LUK25SM00031	25-TP-13	1	1.5	ND	6	153	ND	ND	16.3	23.0	ND	17	26	ND\UJ	ND	ND	54.0
102291LUK25SM00032	25-TP-13	11	12	ND	ND	81.0	ND	ND	9.2	14.9	ND	11	10	ND\UJ	ND	ND	35.1
102291LUK25SM00033	25-TP-14	8	8	ND	ND	148	ND	0.5	14.0	18.8	ND	16	13	ND\UJ	ND	ND	43.3
102291LUK25SM00034	25-TP-14	1	2	ND	ND	99.6	ND	ND	10.4	16.6	ND	12	10	ND\UJ	ND	ND	40.9
102391LUK25SM00036	25-TP-15	1	1	ND	ND	125	ND	ND	12.5	18.7	ND	14	12	ND\UJ	ND	ND	40.9

Table 32-3. Metals Analytical Results for Soil Samples Collected at PSC LF-25, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
102391LUK25SM00037	25-TP-15	7	7	ND	ND	121	ND	ND	12.5	22.3	ND	15	13	ND\UJ	ND	ND	38.9
102391LUK25SM00038D	25-TP-15	7	7	ND	ND	121	ND	ND	10.9	17.6	ND	15	26	ND\UJ	ND	ND	34.3

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location	Ag	Silver	Hg	Mercury	j	Data are considered estimated	NA	Not analyzed
SB	Soil boring location	As	Arsenic	Ni	Nickel	r	Data are considered unusable	ND	Not detected
TP	Test pit location	Ba	Barium	Pb	Lead	uj	Data are considered estimated and not detected at the reported value	TR	Trace amount; unquantifiable
SM	Solid waste matrix	Be	Beryllium	Sb	Antimony			*	Constituent detected in method blank
MW	Monitoring well location	Cd	Cadmium	Se	Selenium				
D	Duplicate sample	Cr	Chromium	Tl	Thallium				
<	Less Than	Cu	Copper	Zn	Zinc				

Table 35-1. Non-Metal Constituents Results for Soil Samples Collected at SD-38, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs
041293LUK38SL00027	38-MW-117	6	8	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041293LUK38SL00028	38-MW-117	6	8	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041293LUK38SL00030	38-MW-117	14	16	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041293LUK38SL00031	38-MW-117	24	26	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041293LUK38SL00032	38-MW-117	34	36	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041293LUK38SL00033	38-MW-117	44	46	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041293LUK38SL00034	38-MW-117	56	58	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041293LUK38SL00035	38-MW-117	106	108	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041293LUK38SL00036	38-MW-117	156	158	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041393LUK38SL00039	38-MW-117	206	208	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041393LUK38SL00040	38-MW-117	276	278	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041393LUK38SL00041	38-MW-117	306	308	NA	<10		ND	[UQ]	No	ND	[UQ]	No
041393LUK38SL00042	38-MW-117	334	334	NA	<10		ND	[UQ]	No	ND	[UQ]	No
050492LUK38SL00001	38-SB-1	0	2	NA	90	j	ND	[UQ]	No	ND	[UQ]	No
050492LUK38SL00002D	38-SB-1	0	2	NA	40	j	ND	[UQ]	No	ND	[UQ]	No
050492LUK38SL00004	38-SB-1	2	4	NA	10	j	ND	[UQ]	No	ND	[UQ]	No
050492LUK38SL00008	38-SB-1	48	50	NA	<10		ND	[UQ]	No	ND	[UQ]	No
050492LUK38SL00013	38-SB-1	98	100	NA	<10	j	ND	[UQ]	No	ND	[UQ]	No
050592LUK38SL00017	38-SB-2	0	2	NA	80		ND	[UQ]	No	ND	[UQ]	No
050592LUK38SL00018	38-SB-2	2	4	NA	20		ND	[UQ]	No	ND	[UQ]	No
050592LUK38SL00026	38-SB-2	88	90	NA	<10		ND	[UQ]	No	ND	[UQ]	No
050592LUK38SL00027	38-SB-2	98	100	NA	<10		ND	[UQ]	No	ND	[UQ]	No
050492LUK38SL00030	38-SB-3	6	8	NA	58000 --		ACE 0.9	[UQ]	Yes	NAP 10	[UQ]	Yes
050492LUK38SL00030	38-SB-3	6	8				1,2DCE 6.5	[UQ]		2MNAP 25	[UQ]	
050492LUK38SL00030	38-SB-3	6	8				TCE 19 --	[UQ]		BEP 9.4	[UQ]	
050492LUK38SL00030	38-SB-3	6	8				BZ 0.5	[UQ]				
050492LUK38SL00030	38-SB-3	6	8				PCE 450 --	[UQ]				
050492LUK38SL00030	38-SB-3	6	8				TOL 22	[UQ]				
050492LUK38SL00030	38-SB-3	6	8				EB 17	[UQ]				
050492LUK38SL00030	38-SB-3	6	8				XYL 81	[UQ]				
050692LUK38SL00031	38-SB-3	8	10	NA	33000 --		1,2DCE 0.1	[UQ]	Yes	NAP 15	[UQ]	Yes
050692LUK38SL00031	38-SB-3	8	10				TCE 0.4 --	[UQ]		2MNAP 40	[UQ]	
050692LUK38SL00031	38-SB-3	8	10				PCE 40 --	[UQ]		BEP 9.8	[UQ]	

Table 35-1. Non-Metal Constituents Results for Soil Samples Collected at SD-38, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs
050692LUK38SL00031	38-SB-3	8	10				TOL 3.2	[UQ]				
050692LUK38SL00031	38-SB-3	8	10				EB 3.0	[UQ]				
050692LUK38SL00031	38-SB-3	8	10				XYL 29	[UQ]				
050692LUK38SL00032D	38-SB-3	8	10	NA	34000		PCE 20	[UQ]	Yes	NAP 12	[UQ]	Yes
050692LUK38SL00032D	38-SB-3	8	10				EB 3	[UQ]		2MNAP 35	[UQ]	
050692LUK38SL00032D	38-SB-3	8	10				XYL 49	[UQ]		BEP 8.9	[UQ]	
050692LUK38SL00034	38-SB-3	10	12	NA	30		ND	[UQ]	No	ND	[UQ]	No
050692LUK38SL00036	38-SB-3	30	32	NA	NA		ND	[UQ]	No	ND	[UQ]	No
050692LUK38SL00042	38-SB-3	98	100	NA	200		ND	[UQ]	Yes	NAP 0.21	[UQ]	Yes
050692LUK38SL00042	38-SB-3	98	100							2MNAP 0.83	[UQ]	
050692LUK38SL00042	38-SB-3	98	100					[UQ]		BEP 0.3	[UQ]	
050792LUK38SL00053	38-SB-3	198	200	NA	<10		1,2DCE 0.1	[UQ]	Yes	ND	[UQ]	No
050792LUK38SL00053	38-SB-3	198	200				PCE 0.06	[UQ]				
040693LUK38SL00001	38-SB-5	6	8	NA	7600		PCE 0.1	[UQ]	No	2MNAP 2.9	[UQ]	Yes
040693LUK38SL00001	38-SB-5	6	8							BEP 2.4	[UQ]	
040693LUK38SL00002	38-SB-5	14	16	NA	<10		ND	[UQ]	No	ND	[UQ]	No
040693LUK38SL00003D	38-SB-5	14	16	NA	<10		ND	[UQ]	No	ND	[UQ]	No
040693LUK38SL00005	38-SB-5	24	26	NA	<10		ND	[UQ]	No	ND	[UQ]	No
040693LUK38SL00006	38-SB-5	34	36	NA	<10		ND	[UQ]	No	ND	[UQ]	No
040793LUK38SL00009	38-SB-5	44	46	NA	<10		ND	[UQ]	No	ND	[UQ]	No
040793LUK38SL00010	38-SB-5	54	56	NA	<10		ND	[UQ]	No	ND	[UQ]	No
040793LUK38SL00011	38-SB-5	104	106	NA	<10		ND	[UQ]	No	ND	[UQ]	No
040793LUK38SL00012	38-SB-5	154	156	NA	<10		ND	[UQ]	No	ND	[UQ]	No
040793LUK38SL00013	38-SB-5	204	206	NA	<10		ND	[UQ]	No	ND	[UQ]	No
040793LUK38SL00014	38-SB-5	254	256	NA	90		ND	[UQ]	No	ND	[UQ]	Yes(r)
040893LUK38SL00016	38-SB-5	304	306	NA	<10		ND	[UQ]	No	ND	[UQ]	No
040893LUK38SL00017	38-SB-5	344	346	NA	<10		ND	[UQ]	No	ND	[UQ]	No
040993LUK38SL00019	38-SB-7	0	2	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)
040993LUK38SL00020	38-SB-7	8	10	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)
040993LUK38SL00021	38-SB-7	18	20	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)
040993LUK38SL00022	38-SB-7	28	30	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)
040993LUK38SL00023	38-SB-7	38	40	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)
040993LUK38SL00024	38-SB-7	48	50	NA	<10		ND	[UQ]	No	ND	[UQ]	Yes(r)

Table 35-1. Non-Metal Constituents Results for Soil Samples Collected at SD-38, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona.

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs
040993LUK38SL00025	38-SB-7	98	100	NA	<10		ND	[UQ]	No	ND	[UQ]	No
082696LUK038SL00182	38-SB-8	8	10	NA	NA		ND		NA	ND		NA
082696LUK038SL00183	38-SB-8	14	16	NA	NA		ND		NA	ND		NA

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location
SB	Soil boring location
TP	Test pit location
SM	Solid waste matrix
MW	Monitoring well location
D	Duplicate sample
<	Less Than
NA	Not analyzed
ND	Not detected
TR	Trace amount; unquantifiable
*	Constituent detected in method blank
j	Data are considered estimated
r	Data are considered unusable
uj	Data are considered estimated and not detected at the reported value
f.comp	Composite from fine-grained sample
c.comp	Composite from coarse-grained sample
ACE	Acetone
ANT	Anthracene
BBP	Butylbenzylpthalate
BEP	Bis(2-ethylhexyl)pthalate
BNA's	Base/neutral and acid extractable compounds
BZ	Benzene
BZA	Benzo(a)anthracene
BZB	Benzo(b)fluoranthene
BZG	Benzo(g,h,i)perylene
TRPH	Total Recoverable Petroleum Hydrocarbons
VOCs	Volatile Organi Compounds
2MNA	2-Methylnaphthalene
NAP	Naphthalene
XYL	Total Xylenes
PYR	Pyrene
BZK	Benzo(k)fluoranthene
BZP	Benzo(a)pyrene
CRY	Chryzene
DCE	1,1 Dichloroethene
EB	Ethyl benzene
FLU	Fluoranthene
DBA	Dibenzo(a,h)anthracene
DNB	Di-n-butyl phthalate
IND	Indeno(1,2,3-cd)pyrene
MEK	Methyl Ethyl Ketone
MIBK	Methyl Iso-Butyl Ketone
PHEN	Phenanthrene
TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
TOL	Toluene
PCE	Perchloroethene
[UQ]	ATI-Phoenix data of unknown quality as determined by the FFA Parties

Table 35-2. Metals Analytical Results for Soil Samples Collected at PSC SD-38, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
050492LUK38SL00001	38-SB-1	0	2	ND	7 -	155	ND	ND	10.8	22.4	ND	16	30	ND(j)	ND	ND	43.7
050492LUK38SL00002D	38-SB-1	0	2	ND	11	173	ND	ND	13.1	24.2	ND	18	22	ND(j)	ND	ND	47.0
050492LUK38SL00004	38-SB-1	2	4	ND	8 -	214	ND	ND	13.6	21.0	ND	18	16	ND(j)	ND	ND	38.7
050492LUK38SL00008	38-SB-1	48	50	ND	10 -	152	ND	ND	18.0	18.3	ND	16	9	ND(j)	ND	ND	41.6
050492LUK38SL00013	38-SB-1	98	100	ND	9 -	93.6	ND	ND	13.1	12.9	ND	12	7	ND(j)	ND	ND	26.4
050592LUK38SL00017	38-SB-2	0	2	ND	10 -	188	1.0	0.5	19.3	29.2	ND	21	23	ND(j)	ND	ND	58.1
050592LUK38SL00018	38-SB-2	2	4	ND	14 -	254	ND	0.6	19.8	31.4	ND	23	17	ND(j)	ND	ND	59.0
050592LUK38SL00026	38-SB-2	88	90	ND	ND	145	ND	ND	21.5	17.0	ND	16	ND	ND(j)	ND	ND	34.4
050592LUK38SL00027	38-SB-2	98	100	ND	12 -	172	ND	ND	21.7	23.8	ND	18	9	ND(j)	ND	ND	41.9
050492LUK38SL00030	38-SB-3	6	8	ND	8 -	152	ND	2.1	19.4	36.5	ND	17	470 -	0.8 (j)	ND	ND	321
050692LUK38SL00031	38-SB-3	8	10	ND	ND	120	ND	1.0	11.8	19.4	ND	11	80	ND(j)	ND	ND	51.3
050692LUK38SL00032D	38-SB-3	8	10	ND	ND	122	ND	0.7	12.6	18.0	ND	12	49	ND(j)	ND	ND	41.7
050692LUK38SL00034	38-SB-3	10	12	ND	5 -	203	ND	ND	16.2	13.4	ND	10	8	ND(j)	ND	ND	21.5
050692LUK38SL00036	38-SB-3	30	32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
050692LUK38SL00042	38-SB-3	98	100	ND	ND	189	ND	0.5	26.3	26.8	ND	18	12	ND(j)	ND	ND	49.2
050792LUK38SL00053	38-SB-3	198	200	ND	10 -	141	ND	ND	12.2	25.4	ND	18	12	ND(j)	ND	ND	43.0
040693LUK38SL00001	38-SB-5	6	8	ND	ND	143	ND	ND	15.8	16.2	ND	10.1	17	ND	ND	ND	29.9
040693LUK38SL00002	38-SB-5	14	16	ND	ND	200	ND	ND	40.2	18.2	ND	15.3	8	ND	ND	ND	37.4
040693LUK38SL00003D	38-SB-5	14	16	ND	ND	222	ND	ND	41.5	17.6	ND	14.5	7	ND	ND	ND	36.2
040693LUK38SL00005	38-SB-5	24	26	ND	ND	30.8	ND	ND	9.4	6.5	ND	4.1	ND	ND	ND	ND	14
040693LUK38SL00006	38-SB-5	34	36	ND	8 -	289	ND	ND	35.5	32.2	ND	26.7	15	ND	ND	ND	63.8
040793LUK38SL00009	38-SB-5	44	46	ND	6 -	176	ND	ND	27.6	17.7	ND	14.9	6	ND	ND	ND	39.7
040793LUK38SL00010	38-SB-5	54	56	ND	ND	36.5	ND	ND	10.4	9.8	ND	7	ND	ND	ND	ND	14.5
040793LUK38SL00011	38-SB-5	104	106	ND	ND	84.8	ND	ND	19.2	9.7	ND	9	ND	ND	ND	ND	23.2
040793LUK38SL00012	38-SB-5	154	156	ND	13 -	219	ND	ND	19.7	24.4	ND	21.7	16	ND	ND	ND	50.4
040793LUK38SL00013	38-SB-5	204	206	ND	11 -	182	ND	ND	20.2	20.4	ND	20.3	9	ND	ND	ND	44.1
040793LUK38SL00014	38-SB-5	254	256	ND	5 -	58	ND	ND	10.6	13	ND	8.6	ND	ND	ND	ND	22.6
040893LUK38SL00016	38-SB-5	304	306	ND	8 -	209	ND	ND	25.2	29.8	ND	26.6	11	ND	ND	ND	61.3
040893LUK38SL00017	38-SB-5	344	346	ND	ND	67.1	ND	ND	17.2	12	ND	10.4	ND	ND	ND	ND	24.4
040993LUK38SL00019	38-SB-7	0	2	ND	ND	176	ND	ND	18.5	21.1	ND	17	9	ND	ND	ND	39.3
040993LUK38SL00020	38-SB-7	8	10	ND	5 -	172	ND	ND	19.3	16.8	ND	15.4	8	ND	ND	ND	38.2
040993LUK38SL00021	38-SB-7	18	20	ND	6 -	156	ND	ND	30.8	30	ND	28.7	11	ND	ND	ND	46.8
040993LUK38SL00022	38-SB-7	28	30	ND	ND	298	ND	ND	21.5	12	ND	8.8	ND	ND	ND	ND	23.8
040993LUK38SL00023	38-SB-7	38	40	ND	5 -	287	ND	ND	33	25.3	ND	18.9	9	ND	ND	ND	46.2
040993LUK38SL00024	38-SB-7	48	50	ND	ND	121	ND	ND	10.9	9.6	ND	8.3	5	ND	ND	ND	17.6
040993LUK38SL00025	38-SB-7	98	100	ND	ND	132	ND	ND	21.3	13.3	ND	12.6	6	ND	ND	ND	31.1
041293LUK38SL00027	38-MW-117	6	8	ND	ND	84.9	ND	ND	12.2	12.4	ND	14.1	6	ND	ND	ND	25.4
041293LUK38SL00028	38-MW-117	6	8	ND	ND	93	ND	ND	12.8	11.2	ND	10.6	7	ND	ND	ND	21.2
041293LUK38SL00030	38-MW-117	14	16	ND	ND	175	ND	ND	18.5	14.7	ND	12.2	6	ND	ND	ND	29.1
041293LUK38SL00031	38-MW-117	24	26	ND	ND	63.5	ND	ND	10.7	7.8	ND	5.7	ND	ND	ND	ND	11.8

Table 35-2. Metals Analytical Results for Soil Samples Collected at PSC SD-38, OU-1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	Ag	As	Ba	Be	Cd	Cr	Cu	Hg	Ni	Pb	Sb	Se	Tl	Zn
041293LUK38SL00032	38-MW-117	34	36	ND	ND	193	ND	ND	21	15.9	ND	15.4	9	ND	ND	ND	35.5
041293LUK38SL00033	38-MW-117	44	46	ND	ND	163	ND	ND	38	17	ND	15	5	ND	ND	ND	37.1
041293LUK38SL00034	38-MW-117	56	58	ND	ND	65	ND	ND	15.4	10.6	ND	8.8	ND	ND	ND	ND	18.9
041293LUK38SL00035	38-MW-117	106	108	ND	ND	67.2	ND	ND	11.8	8	ND	7.6	ND	ND	ND	ND	17.8
041293LUK38SL00036	38-MW-117	156	158	ND	ND	160	ND	ND	21	21.4	ND	17.3	9	ND	ND	ND	44.3
041393LUK38SL00039	38-MW-117	206	208	ND	8	356	ND	ND	28.8	31.8	ND	30.3	18	ND	ND	ND	65
041393LUK38SL00040	38-MW-117	276	278	ND	10	212	ND	ND	33.9	46.6	ND	38.9	13	ND	ND	ND	87.3
041393LUK38SL00041	38-MW-117	306	308	ND	12	189	ND	ND	34	34.4	ND	29.5	10	ND	ND	ND	58.7
041393LUK38SL00042	38-MW-117	334	336	ND	6	89.7	ND	ND	20.9	18.1	ND	15.4	8	ND	ND	ND	40.5

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.
Results provided by Analytical Technologies, Inc.
Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location	Ag	Silver	Hg	Mercury	j	Data are considered estimated	NA	Not analyzed
SB	Soil boring location	As	Arsenic	Ni	Nickel	r	Data are considered unusable	ND	Not detected
TP	Test pit location	Ba	Barium	Pb	Lead	uj	Data are considered estimated and not detected at the reported value	TR	Trace amount; unquantifiable
SM	Solid waste matrix	Be	Beryllium	Sb	Antimony			*	Constituent detected in method blank
MW	Monitoring well location	Cd	Cadmium	Se	Selenium				
D	Duplicate sample	Cr	Chromium	Tl	Thallium				
<	Less Than	Cu	Copper	Zn	Zinc				

Table 39-2. Non-Metal Constituents and Lead Results for Soil Samples Collected at SS-42, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Lead
110293LUK042SL00001	042-SB-01	0	2	NA	26		ND	[UQ]	No	NA		NA	15
110293LUK042SL00002	042-SB-01	4	6	NA	<5		ND	[UQ]	No	NA		NA	13
110293LUK042SL00003	042-SB-01	28	30	NA	<5		ND	[UQ]	No	NA		NA	8
110293LUK042SL00004D	042-SB-01	28	30	NA	<5		ND	[UQ]	No	NA		NA	8
110293LUK042SL00006	042-SB-01	38	40	NA	<5		ND	[UQ]	No	NA		NA	10
110393LUK042SL00008	042-SB-01	48	50	NA	<5		ND	[UQ]	No	NA		NA	<5
110393LUK042SL00009	042-SB-01	58	60	NA	<5		ND	[UQ]	No	NA		NA	6
110393LUK042SL00010	042-SB-01	68	70	NA	<5		ND	[UQ]	No	NA		NA	7
110393LUK042SL00011	042-SB-01	79	81	NA	<5		ND	[UQ]	No	NA		NA	5
110393LUK042SL00012	042-SB-01	89	91	NA	<5		ND	[UQ]	No	NA		NA	9
110393LUK042SL00013	042-SB-01	99	101	NA	<5		ND	[UQ]	No	NA		NA	12
110393LUK042SL00014	042-SB-01	109	111	NA	<5		ND	[UQ]	No	NA		NA	7
110493LUK042SL00016	042-SB-01	119	121	NA	13		ND	[UQ]	No	NA		NA	8
110493LUK042SL00017	042-SB-01	129	131	NA	<5		ND	[UQ]	No	NA		NA	12
110493LUK042SL00018	042-SB-01	139	141	NA	13		ND	[UQ]	No	NA		NA	12
110493LUK042SL00019	042-SB-01	149	151	NA	<5		ND	[UQ]	No	NA		NA	21
110493LUK042SL00020	042-SB-01	159	161	NA	<5		ND	[UQ]	No	NA		NA	16
110493LUK042SL00021	042-SB-01	169	171	NA	<5		ND	[UQ]	No	NA		NA	9
110593LUK042SL00023	042-SB-01	184	186	NA	<5		ND	[UQ]	No	NA		NA	6
110593LUK042SL00024	042-SB-01	189	191	NA	<5		ND	[UQ]	No	NA		NA	7
110593LUK042SL00025	042-SB-01	199	201	NA	<5		ND	[UQ]	No	NA		NA	6
110593LUK042SL00026	042-SB-01	209	211	NA	<5		ND	[UQ]	No	NA		NA	<5
110593LUK042SL00027	042-SB-01	219	221	NA	<5		ND	[UQ]	No	NA		NA	11
110593LUK042SL00028	042-SB-01	229	231	NA	<5		ND	[UQ]	No	NA		NA	9
110593LUK042SL00029	042-SB-01	239	241	NA	<5		ND	[UQ]	No	NA		NA	7
110593LUK042SL00030	042-SB-01	249	251	NA	<5		ND	[UQ]	No	NA		NA	<5
110593LUK042SL00031	042-SB-01	259	261	NA	<5		ND	[UQ]	No	NA		NA	<5
110593LUK042SL00032	042-SB-01	269	271	NA	<5		ND	[UQ]	No	NA		NA	9
110593LUK042SL00033	042-SB-01	279	281	NA	<5		ND	[UQ]	No	NA		NA	8
110593LUK042SL00034	042-SB-01	289	291	NA	<5		ND	[UQ]	No	NA		NA	76
110593LUK042SL00035	042-SB-01	299	301	NA	<5		ND	[UQ]	No	NA		NA	<5
110593LUK042SL00037	042-SB-01	309	311	NA	<5		ND	[UQ]	No	NA		NA	<5
110893LUK042SL00038D	042-SB-01	309	311	NA	<5		ND	[UQ]	No	NA		NA	12
110893LUK042SL00040	042-SB-01	319	321	NA	<5		ND	[UQ]	No	NA		NA	12
110893LUK042SL00041	042-SB-01	329	331	NA	<5		ND	[UQ]	No	NA		NA	11
110893LUK042SL00044	042-SB-01	359	361	NA	<5		ND	[UQ]	No	NA		NA	<5

Table 39-2. Non-Metal Constituents and Lead Results for Soil Samples Collected at SS-42, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Lead
110893LUK042SL00045	042-SB-01	369	371	NA	20		ND	[UQ]	No	NA		NA	<5
110993LUK042SL00046	042-SB-01	379	381	NA	<5		ND	[UQ]	No	NA		NA	<5
112093LUK042SL00048	042-SB-02	0	2	NA	<5		ND	[UQ]	No	NA		NA	<5
112093LUK042SL00049	042-SB-02	19	21	NA	8200	j	BZ 5.5	[UQ]	Yes	NAP 8.2	[UQ]	Yes	<5
112093LUK042SL00049	042-SB-02	19	21				EB 67	[UQ]		2MNAP 17	[UQ]		
112093LUK042SL00049	042-SB-02	19	21				XYL 130	[UQ]					
112093LUK042SL00049	042-SB-02	19	21				TOL 88	[UQ]					
112093LUK042SL00050	042-SB-02	29	31	NA	6000		EB 5.9	[UQ]	Yes	NA		NA	7
112093LUK042SL00050	042-SB-02	29	31				TOL 1.7	[UQ]					
112093LUK042SL00050	042-SB-02	29	31				XYL 41	[UQ]					
112193LUK042SL00051	042-SB-02	39	41	NA	7700	j	EB 4.1	[UQ]	Yes	NA		NA	10
112193LUK042SL00051	042-SB-02	39	41				TOL 5.3	[UQ]					
112193LUK042SL00051	042-SB-02	39	41				XYL 22	[UQ]					
112193LUK042SL00052	042-SB-02	49	51	NA	7400	j	BZ 1.1	[UQ]	Yes	NA		NA	7
112193LUK042SL00052	042-SB-02	49	51				EB 22	[UQ]					
112193LUK042SL00052	042-SB-02	49	51				TOL 49	[UQ]					
112193LUK042SL00052	042-SB-02	49	51				XYL 110	[UQ]					
112193LUK042SL00053	042-SB-02	59	61	NA	5700		BZ 0.7	[UQ]	Yes	NA		NA	6
112193LUK042SL00053	042-SB-02	59	61				EB 17	[UQ]					
112193LUK042SL00053	042-SB-02	59	61				TOL 30	[UQ]					
112193LUK042SL00053	042-SB-02	59	61				XYL 86	[UQ]					
112193LUK042SL00054	042-SB-02	69	71	NA	33900	j	BZ 150	[UQ]	Yes	NAP 13	[UQ]	Yes	9
112193LUK042SL00054	042-SB-02	69	71				EB 370	[UQ]		2MNAP 21	[UQ]		
112193LUK042SL00054	042-SB-02	69	71				TOL 860	[UQ]					
112193LUK042SL00054	042-SB-02	69	71				XYL 950	[UQ]					
112193LUK042SL00055	042-SB-02	79	81	NA	4100		BZ 3.1	[UQ]	Yes	NA		NA	16
112193LUK042SL00055	042-SB-02	79	81				EB 26	[UQ]					
112193LUK042SL00055	042-SB-02	79	81				TOL 48	[UQ]					
112193LUK042SL00055	042-SB-02	79	81				XYL 80	[UQ]					
112193LUK042SL00056	042-SB-02	89	91	NA	4600		BZ 4	[UQ]	Yes	NA		NA	8
112193LUK042SL00056	042-SB-02	89	91				EB 9.7	[UQ]					
112193LUK042SL00056	042-SB-02	89	91				TOL 25	[UQ]					
112193LUK042SL00056	042-SB-02	89	91				XYL 46	[UQ]					
112193LUK042SL00057	042-SB-02	99	101	NA	1900		BZ 0.6	[UQ]	Yes	NA		NA	14
112193LUK042SL00057	042-SB-02	99	101				EB 4.2	[UQ]					
112193LUK042SL00057	042-SB-02	99	101				TOL 6.9	[UQ]					

Table 39-2. Non-Metal Constituents and Lead Results for Soil Samples Collected at SS-42, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Lead
112193LUK042SL00057	042-SB-02	99	101				XYL 17	[UQ]					
112193LUK042SL00058	042-SB-02	109	111	NA	8000	j	BZ 6.8	[UQ]	Yes	NA		NA	8
112193LUK042SL00058	042-SB-02	109	111				XYL 150	[UQ]					
112193LUK042SL00058	042-SB-02	109	111				EB 41	[UQ]					
112193LUK042SL00058	042-SB-02	109	111				TOL 93	[UQ]					
112193LUK042SL00059	042-SB-02	119	121	NA	6000		BZ 14	[UQ]	Yes	NA		NA	9
112193LUK042SL00059	042-SB-02	119	121				EB 32	[UQ]					
112193LUK042SL00059	042-SB-02	119	121				TOL 86	[UQ]					
112193LUK042SL00059	042-SB-02	119	121				XYL 120	[UQ]					
112193LUK042SL00060	042-SB-02	129	131	NA	18300	j	BZ 48	[UQ]	Yes	NA		NA	7
112193LUK042SL00060	042-SB-02	129	131				EB 170	[UQ]					
112193LUK042SL00060	042-SB-02	129	131				TOL 310	[UQ]					
112193LUK042SL00060	042-SB-02	129	131				XYL 380	[UQ]					
112193LUK042SL00061	042-SB-02	139	141	NA	21900	j	BZ 54	[UQ]	Yes	NA		NA	11
112193LUK042SL00061	042-SB-02	139	141				EB 160	[UQ]					
112193LUK042SL00061	042-SB-02	139	141				TOL 300	[UQ]					
112193LUK042SL00061	042-SB-02	139	141				XYL 330	[UQ]					
112293LUK042SL00062	042-SB-02	149	151	NA	<5		BZ 0.06	[UQ]	No	NA		NA	16
112293LUK042SL00062	042-SB-02	149	151				TOL 0.08	[UQ]					
112293LUK042SL00063D	042-SB-02	149	151	NA	<5		BZ 0.09	[UQ]	No	NA		NA	23
112293LUK042SL00063D	042-SB-02	149	151				TOL 0.14	[UQ]					
112293LUK042SL00065	042-SB-02	159	161	NA	<5		TOL 0.08	[UQ]	No	NA		NA	19
112293LUK042SL00065	042-SB-02	159	161				XYL 0.08	[UQ]					
112293LUK042SL00066	042-SB-02	169	171	NA	<5		ND	[UQ]	No	NA		NA	12
112293LUK042SL00067	042-SB-02	179	181	NA	33		ND	[UQ]	No	NA		NA	8
112293LUK042SL00068	042-SB-02	189	191	NA	8		ND	[UQ]	No	NA		NA	12
112293LUK042SL00069	042-SB-02	199	201	NA	10		ND	[UQ]	No	NA		NA	12
112293LUK042SL00071	042-SB-02	209	211	NA	7		ND	[UQ]	No	NA		NA	9
112293LUK042SL00072	042-SB-02	219	221	NA	<5		ND	[UQ]	No	NA		NA	9
112293LUK042SL00073	042-SB-02	229	231	NA	8		ND	[UQ]	No	NA		NA	9
112293LUK042SL00074	042-SB-02	239	241	NA	19		ND	[UQ]	No	NA		NA	8
112393LUK042SL00077	042-SB-02	249	251	NA	<5		ND	[UQ]	No	NA		NA	<5
112393LUK042SL00078	042-SB-02	259	261	NA	<5		ND	[UQ]	No	NA		NA	5
112393LUK042SL00079	042-SB-02	269	271	NA	<5		ND	[UQ]	No	NA		NA	6
112393LUK042SL00080	042-SB-02	279	281	NA	<5		ND	[UQ]	No	NA		NA	<5
112393LUK042SL00081	042-SB-02	289	291	NA	<5		ND	[UQ]	No	NA		NA	<5

Table 39-2. Non-Metal Constituents and Lead Results for Soil Samples Collected at SS-42, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Lead
112393LUK042SL00082	042-SB-02	299	301	NA	19		ND	[UQ]	No	NA		NA	12
112393LUK042SL00083	042-SB-02	309	311	NA	<5		ND	[UQ]	No	NA		NA	15
112493LUK042SL00085	042-SB-02	319	321	NA	<5		ND	[UQ]	No	NA		NA	9
112493LUK042SL00086	042-SB-02	329	331	NA	<5		ND	[UQ]	No	NA		NA	11
112493LUK042SL00087	042-SB-02	339	341	NA	<5		ND	[UQ]	No	NA		NA	<5
112493LUK042SL00088	042-SB-02	349	351	NA	<5		ND	[UQ]	No	NA		NA	7
112493LUK042SL00089	042-SB-02	359	361	NA	<5		ND	[UQ]	Yes	NA		NA	<5
120193LUK042SL00095	042-SB-03	0	2	NA	37		ND	[UQ]	No	NA		NA	44
120193LUK042SL00096	042-SB-03	9	11	NA	<5		ND	[UQ]	No	NA		NA	10
120193LUK042SL00097	042-SB-03	19	21	NA	<5		ND	[UQ]	No	NA		NA	8
120193LUK042SL00098	042-SB-03	29	31	NA	<5		ND	[UQ]	No	NA		NA	6
120193LUK042SL00099	042-SB-03	39	41	NA	<5		ND	[UQ]	No	NA		NA	7
120193LUK042SL00100	042-SB-03	49	51	NA	<5		ND	[UQ]	No	NA		NA	9
120193LUK042SL00101	042-SB-03	59	61	NA	<5		ND	[UQ]	No	NA		NA	6
120193LUK042SL00102	042-SB-03	69	71	NA	<5		ND	[UQ]	No	NA		NA	10
120193LUK042SL00103D	042-SB-03	69	71	NA	<5		ND	[UQ]	No	NA		NA	9
120293LUK042SL00107	042-SB-03	79	81	NA	46		ND	[UQ]	No	NA		NA	18
120293LUK042SL00108	042-SB-03	89	91	NA	<5		ND	[UQ]	No	ND	[UQ]	No	6
120293LUK042SL00109	042-SB-03	99	101	NA	<5		BZ 0.06	[UQ]	No	NA		NA	15
120293LUK042SL00109	042-SB-03	99	101				TOL 0.1	[UQ]					
120293LUK042SL00110	042-SB-03	109	111	NA	50		BZ 0.18	[UQ]	No	NA		NA	8
120293LUK042SL00110	042-SB-03	109	111				TOL 0.27	[UQ]					
120293LUK042SL00111	042-SB-03	119	121	NA	<5		ND	[UQ]	No	NA		NA	8
120293LUK042SL00112	042-SB-03	129	131	NA	<5		ND	[UQ]	No	NA		NA	8
120293LUK042SL00113	042-SB-03	139	141	NA	<5		BZ 0.42	[UQ]	No	NA		NA	14
120293LUK042SL00113	042-SB-03	139	141				TOL 0.53	[UQ]					
120293LUK042SL00113	042-SB-03	139	141				XYL 0.2	[UQ]					
120293LUK042SL00114	042-SB-03	149	151	NA	<5		ND	[UQ]	No	NA		NA	14
120293LUK042SL00115	042-SB-03	159	161	NA	<5		ND	[UQ]	No	NA		NA	12
120293LUK042SL00116	042-SB-03	169	171	NA	<5		ND	[UQ]	No	NA		NA	6
120293LUK042SL00117	042-SB-03	179	181	NA	<5		ND	[UQ]	No	NA		NA	7
120293LUK042SL00118	042-SB-03	189	191	NA	<5		ND	[UQ]	No	NA		NA	10
120293LUK042SL00119	042-SB-03	199	201	NA	<5		ND	[UQ]	No	NA		NA	12
120293LUK042SL00120	042-SB-03	209	211	NA	<5		ND	[UQ]	No	NA		NA	11
120293LUK042SL00121	042-SB-03	219	221	NA	40		ND	[UQ]	No	NA		NA	12
120293LUK042SL00122	042-SB-03	229	231	NA	27		ND	[UQ]	No	NA		NA	7

Table 39-2. Non-Metal Constituents and Lead Results for Soil Samples Collected at SS-42, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Lead
120293LUK042SL00123	042-SB-03	239	241	NA	<5		ND	[UQ]	No	NA		NA	7
120293LUK042SL00124	042-SB-03	249	251	NA	<5		ND	[UQ]	No	NA		NA	6
120393LUK042SL00126	042-SB-03	279	281	NA	<5		ND	[UQ]	No	NA		NA	6
120393LUK042SL00127	042-SB-03	309	311	NA	<5		ND	[UQ]	No	NA		NA	10
120393LUK042SL00128D	042-SB-03	309	311	NA	<5		ND	[UQ]	No	NA		NA	10
120193LUK042SL00085	042-SB-04	0	2	NA	9000		EB 21	[UQ]	Yes	NA		NA	7
120193LUK042SL00085	042-SB-04	0	2				XYL 72	[UQ]					
120193LUK042SL00085	042-SB-04	0	2				TOL 19	[UQ]					
120193LUK042SL00086	042-SB-04	8	10	NA	7300		EB 33	[UQ]	Yes	NAP 9.2	[UQ]	Yes	12
120193LUK042SL00086	042-SB-04	8	10				XYL 150	[UQ]		2MNAP 18	[UQ]		
120193LUK042SL00086	042-SB-04	8	10				TOL 12	[UQ]		RBNA	[UQ]		
120193LUK042SL00087	042-SB-04	18	20	NA	1200		EB 0.46	[UQ]	Yes	NA		NA	8
120193LUK042SL00087	042-SB-04	18	20				XYL 2.4	[UQ]					
120193LUK042SL00087	042-SB-04	18	20				TOL 0.06	[UQ]					
120193LUK042SL00088	042-SB-04	28	30	NA	19		ND	[UQ]	Yes	NA		NA	5
120193LUK042SL00089	042-SB-04	38	40	NA	<5		ND	[UQ]	No	NA		NA	9
120193LUK042SL00090	042-SB-04	48	50	NA	<5		ND	[UQ]	No	NA		NA	9
120193LUK042SL00091	042-SB-04	58	60	NA	<5		ND	[UQ]	No	NA		NA	<5
120193LUK042SL00092	042-SB-04	68	70	NA	<5		ND	[UQ]	Yes	NA		NA	7
120393LUK042SL00135	042-SB-05	0	2	NA	72		ND	[UQ]	No	NA		NA	7
120393LUK042SL00136	042-SB-05	8	10	NA	<5		ND	[UQ]	No	NA		NA	10
120393LUK042SL00137	042-SB-05	18	20	NA	<5		ND	[UQ]	No	NA		NA	10
120393LUK042SL00138	042-SB-05	28	30	NA	<5		ND	[UQ]	No	NA		NA	<5
120393LUK042SL00139	042-SB-05	38	40	NA	<5		ND	[UQ]	No	NA		NA	12
120793LUK042SL00140	042-SB-06	0	2	NA	221		ND	[UQ]	No	NA		NA	42
120793LUK042SL00141	042-SB-06	9	11	NA	<5		ND	[UQ]	No	NA		NA	8
120793LUK042SL00142	042-SB-06	19	21	NA	<5		ND	[UQ]	No	NA		NA	7
120793LUK042SL00143D	042-SB-06	19	21	NA	<5		ND	[UQ]	No	NA		NA	<5
120793LUK042SL00145	042-SB-06	29	31	NA	<5		ND	[UQ]	No	NA		NA	7
120793LUK042SL00146	042-SB-06	39	41	NA	<5		ND	[UQ]	No	NA		NA	10
120793LUK042SL00147	042-SB-06	49	51	NA	<5		ND	[UQ]	No	NA		NA	9
120793LUK042SL00148	042-SB-06	59	61	NA	<5		ND	[UQ]	No	NA		NA	10
120793LUK042SL00149	042-SB-06	69	71	NA	<5		ND	[UQ]	No	NA		NA	17
120793LUK042SL00150	042-SB-06	79	81	NA	<5		ND	[UQ]	No	NA		NA	8
120793LUK042SL00151	042-SB-06	89	91	NA	<5		ND	[UQ]	No	NA		NA	9
120793LUK042SL00152	042-SB-06	99	101	NA	<5		ND	[UQ]	No	NA		NA	10

Table 39-2. Non-Metal Constituents and Lead Results for Soil Samples Collected at SS-42, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Lead
120793LUK042SL00153	042-SB-06	109	111	NA	<5		ND	[UQ]	No	NA		NA	9
120793LUK042SL00154	042-SB-06	119	121	NA	<5		ND	[UQ]	No	NA		NA	6
120893LUK042SL00157	042-SB-06	129	131	NA	<5		ND	[UQ]	No	NA		NA	14
120893LUK042SL00158	042-SB-06	139	141	NA	<5		ND	[UQ]	No	NA		NA	10
120893LUK042SL00159	042-SB-06	149	151	NA	<5		ND	[UQ]	No	NA		NA	34
120893LUK042SL00160	042-SB-06	159	161	NA	<5		ND	[UQ]	No	NA		NA	12
120893LUK042SL00161	042-SB-06	169	171	NA	<5		ND	[UQ]	No	NA		NA	7
120893LUK042SL00162	042-SB-06	179	181	NA	8		ND	[UQ]	Yes	NA		NA	9
120893LUK042SL00163	042-SB-06	189	191	NA	<5		ND	[UQ]	No	NA		NA	10
120893LUK042SL00164	042-SB-06	199	201	NA	<5		ND	[UQ]	No	NA		NA	7
120993LUK042SL00166	042-SB-06	209	211	NA	<5		ND	[UQ]	No	NA		NA	<5
120993LUK042SL00167	042-SB-06	219	221	NA	6		ND	[UQ]	No	NA		NA	10
120993LUK042SL00168	042-SB-06	229	231	NA	9		ND	[UQ]	No	NA		NA	6
120993LUK042SL00169	042-SB-06	239	241	NA	<5		ND	[UQ]	No	NA		NA	11
120993LUK042SL00170	042-SB-06	269	271	NA	<5		ND	[UQ]	No	NA		NA	14
120993LUK042SL00171	042-SB-06	279	281	NA	<5		ND	[UQ]	No	NA		NA	<5
120993LUK042SL00172	042-SB-06	299	301	NA	<5		ND	[UQ]	No	NA		NA	16
120993LUK042SL00173	042-SB-06	309	311	NA	<5		ND	[UQ]	No	NA		NA	11
121393LUK042SL00175	042-SB-07	0	2	NA	<5		ND	[UQ]	No	NA		NA	12(j)
121393LUK042SL00176D	042-SB-07	0	2	NA	<5		ND	[UQ]	No	NA		NA	32(j)
121393LUK042SL00178	042-SB-07	9	11	NA	<5		ND	[UQ]	No	NA		NA	6
121393LUK042SL00179	042-SB-07	19	21	NA	<5		ND	[UQ]	No	NA		NA	<5
121393LUK042SL00180	042-SB-07	29	31	NA	<5		ND	[UQ]	No	NA		NA	<5
121393LUK042SL00181	042-SB-07	39	41	NA	<5		ND	[UQ]	No	NA		NA	10
121393LUK042SL00182	042-SB-07	39	41	NA	<5		ND	[UQ]	No	NA		NA	10
121393LUK042SL00184	042-SB-07	49	51	NA	<5		ND	[UQ]	No	NA		NA	7
121393LUK042SL00185	042-SB-07	59	61	NA	<5		ND	[UQ]	No	NA		NA	6
121393LUK042SL00186	042-SB-07	69	71	NA	<5		ND	[UQ]	No	NA		NA	6
121393LUK042SL00187	042-SB-07	79	81	NA	<5		ND	[UQ]	No	NA		NA	6
121393LUK042SL00188	042-SB-07	89	91	NA	<5		ND	[UQ]	No	NA		NA	9
121393LUK042SL00189D	042-SB-07	89	91	NA	<5		ND	[UQ]	No	NA		NA	10
121393LUK042SL00191	042-SB-07	99	101	NA	<5		ND	[UQ]	No	NA		NA	6
121393LUK042SL00192	042-SB-07	109	111	NA	<5		ND	[UQ]	No	NA		NA	17
121393LUK042SL00193	042-SB-07	119	121	NA	<5		ND	[UQ]	No	ND	[UQ]	No	8
121393LUK042SL00194	042-SB-07	129	131	NA	<5		ND	[UQ]	No	NA		NA	8
121393LUK042SL00195	042-SB-07	139	141	NA	<5		ND	[UQ]	No	NA		NA	12

Table 39-2. Non-Metal Constituents and Lead Results for Soil Samples Collected at SS-42, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Lead
121393LUK042SL00196	042-SB-07	149	151	NA	<5		ND	[UQ]	No	NA		NA	15
121393LUK042SL00197	042-SB-07	159	161	NA	<5		ND	[UQ]	No	NA		NA	8
121493LUK042SL00200	042-SB-07	169	171	NA	<5		ND	[UQ]	No	NA		NA	<5
121493LUK042SL00201	042-SB-07	179	181	NA	<5		ND	[UQ]	No	NA		NA	11
121493LUK042SL00202	042-SB-07	189	191	NA	<5		ND	[UQ]	No	NA		NA	12
121493LUK042SL00203	042-SB-07	199	201	NA	<5		ND	[UQ]	No	NA		NA	14
121493LUK042SL00204	042-SB-07	209	211	NA	<5		ND	[UQ]	No	NA		NA	13
121493LUK042SL00205	042-SB-07	219	221	NA	29		ND	[UQ]	No	NA		NA	14
121493LUK042SL00206	042-SB-07	229	231	NA	<5		ND	[UQ]	No	NA		NA	10
121493LUK042SL00207	042-SB-07	239	241	NA	10		ND	[UQ]	No	NA		NA	13
121493LUK042SL00208	042-SB-07	249	251	NA	NA I		ND	[UQ]	No	NA		NA	
121493LUK042SL00209	042-SB-07	269	271	NA	<5		ND	[UQ]	No	NA		NA	10
121493LUK042SL00210	042-SB-07	289	291	NA	<5		ND	[UQ]	No	NA		NA	8
121493LUK042SL00211	042-SB-07	309	311	NA	21		ND	[UQ]	No	NA		NA	10
121693LUK042SL00213	042-SB-08	0	2	NA	14		ND	[UQ]	No	NA		NA	97
121693LUK042SL00214D	042-SB-08	0	2	NA	31		TOL 0.08	[UQ]	No	NA		NA	144
121693LUK042SL00216	042-SB-08	9	11	NA	<5		ND	[UQ]	No	NA		NA	10
121693LUK042SL00217	042-SB-08	19	21	NA	<5		ND	[UQ]	No	NA		NA	12
121693LUK042SL00218	042-SB-08	29	31	NA	<5		ND	[UQ]	No	NA		NA	7
121693LUK042SL00219	042-SB-08	39	41	NA	<5		ND	[UQ]	No	NA		NA	12
121693LUK042SL00220	042-SB-08	49	51	NA	<5		ND	[UQ]	No	NA		NA	11
121693LUK042SL00221	042-SB-08	59	61	NA	<5		ND	[UQ]	No	NA		NA	9
121693LUK042SL00222	042-SB-08	69	71	NA	<5		ND	[UQ]	No	NA		NA	12
121793LUK042SL00225	042-SB-08	79	81	NA	<5		ND	[UQ]	No	NA		NA	9
121793LUK042SL00226	042-SB-08	89	91	NA	<5		ND	[UQ]	No	NA		NA	9
121793LUK042SL00227	042-SB-08	99	101	NA	<5		ND	[UQ]	No	NA		NA	14
121793LUK042SL00228	042-SB-08	109	111	NA	<5		ND	[UQ]	No	NA		NA	12
121793LUK042SL00229	042-SB-08	119	121	NA	<5		ND	[UQ]	No	NA		NA	16
121793LUK042SL00235	042-SB-08	129	131	NA	<5		ND	[UQ]	No	NA		NA	9
121793LUK042SL00236	042-SB-08	139	141	NA	<5		ND	[UQ]	No	NA		NA	15
121793LUK042SL00237	042-SB-08	149	151	NA	<5		ND	[UQ]	No	NA		NA	18
121793LUK042SL00238	042-SB-08	159	161	NA	<5		ND	[UQ]	No	NA		NA	13
121793LUK042SL00239	042-SB-08	169	171	NA	<5		ND	[UQ]	No	NA		NA	11
122093LUK042SL00241	042-SB-08	179	181	NA	<5		ND	[UQ]	No	NA		NA	10
122093LUK042SL00242	042-SB-08	189	191	NA	<5		ND	[UQ]	No	NA		NA	12
122093LUK042SL00243D	042-SB-08	189	191	NA	<5		ND	[UQ]	No	NA		NA	16

Table 39-2. Non-Metal Constituents and Lead Results for Soil Samples Collected at SS-42, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Lead
122093LUK042SL00245	042-SB-08	199	201	NA	<5		ND	[UQ]	No	NA		NA	7
122093LUK042SL00246	042-SB-08	219	221	NA	14		ND	[UQ]	No	NA		NA	11
122093LUK042SL00247	042-SB-08	229	231	NA	8		ND	[UQ]	No	NA		NA	13
122093LUK042SL00248	042-SB-08	239	241	NA	<5		ND	[UQ]	No	NA		NA	10
122093LUK042SL00251	042-SB-08	309	311	NA	<5		ND	[UQ]	No	NA		NA	12
011194LUK042SL00250	042-SB-09	0	2	NA	<5		ND	[UQ]	No	NA		NA	10
011194LUK042SL00251	042-SB-09	6	8	NA	6		ND	[UQ]	No	NA		NA	10
011194LUK042SL00252D	042-SB-09	6	8	NA	<5		ND	[UQ]	No	NA		NA	10
011194LUK042SL00254	042-SB-09	12	14	NA	<5		ND	[UQ]	No	NA		NA	9
011194LUK042SL00255	042-SB-09	18	20	NA	<5		ND	[UQ]	No	NA		NA	8
011194LUK042SL00256	042-SB-10	0	2	NA	<5		ND	[UQ]	No	NA		NA	13
011194LUK042SL00257	042-SB-10	6	8	NA	<5		ND	[UQ]	No	NA		NA	8
011194LUK042SL00258	042-SB-10	12	14	NA	<5		ND	[UQ]	No	NA		NA	5
011194LUK042SL00259	042-SB-10	18	20	NA	<5		ND	[UQ]	No	ND	[UQ]	No	8
011194LUK042SL00260	042-SB-11	0	2	NA	84		ND	[UQ]	No	NA		NA	16
011194LUK042SL00261	042-SB-11	4	6	NA	33		ND	[UQ]	No	ND	[UQ]	No	14
011194LUK042SL00262	042-SB-11	6	8	NA	<5		ND	[UQ]	No	NA		NA	16
011194LUK042SL00263	042-SB-11	10	12	NA	<5		ND	[UQ]	No	NA		NA	11
011194LUK042SL00264	042-SB-12	0	2	NA	<5		ND	[UQ]	No	NA		NA	12
011194LUK042SL00265	042-SB-12	4	6	NA	<5		ND	[UQ]	No	ND	[UQ]	Yes	17
011194LUK042SL00266	042-SB-12	6	8	NA	<5		ND	[UQ]	No	NA		NA	12
011194LUK042SL00267	042-SB-12	10	12	NA	<5		ND	[UQ]	No	NA		NA	11
011194LUK042SL00268	042-SB-13	0	2	NA	24		ND	[UQ]	No	NA		NA	16
011194LUK042SL00269	042-SB-13	6	8	NA	8800 -		EB 0.16	[UQ]	Yes	NA		NA	12
011194LUK042SL00269	042-SB-13	6	8				TOL 0.07	[UQ]					
011194LUK042SL00269	042-SB-13	6	8				XYL 2.5	[UQ]					
011794LUK042SL00310	042-SB-13	26	28	NA	209		CDS 0.05	[UQ]	Yes	NA		NA	9
011794LUK042SL00311	042-SB-13	38	40	NA	195		CDS 0.06	[UQ]	No	NA		NA	7
011794LUK042SL00312	042-SB-13	48	50	NA	38		CDS 0.05	[UQ]	No	NA		NA	<5
011794LUK042SL00313	042-SB-13	58	60	NA	<5		ND	[UQ]	No	NA		NA	6
011794LUK042SL00314	042-SB-13	68	70	NA	10		CDS 0.1	[UQ]	No	NA		NA	7
011794LUK042SL00315	042-SB-13	78	80	NA	<5		CDS 0.08	[UQ]	No	NA		NA	12
011794LUK042SL00316	042-SB-13	88	90	NA	<5		ND	[UQ]	Yes	NA		NA	13
011294LUK042SL00272	042-SB-14	0	2	NA	47		ND	[UQ]	No	NA		NA	11
011294LUK042SL00273	042-SB-14	9	11	NA	6		ND	[UQ]	No	NA		NA	11
011294LUK042SL00274	042-SB-14	19	21	NA	<5		XYL 0.1	[UQ]	Yes	NA		NA	8

Table 39-2. Non-Metal Constituents and Lead Results for Soil Samples Collected at SS-42, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Lead
011294LUK042SL00275	042-SB-14	29	31	NA	<5		ND	[UQ]	No	NA		NA	6
011294LUK042SL00276	042-SB-14	39	41	NA	<5		ND	[UQ]	No	NA		NA	12
011294LUK042SL00277D	042-SB-14	39	41	NA	<5		ND	[UQ]	No	NA		NA	12
011294LUK042SL00279	042-SB-14	49	51	NA	<5		ND	[UQ]	No	NA		NA	12
011294LUK042SL00280	042-SB-14	59	61	NA	<5		ND	[UQ]	No	NA		NA	7
011294LUK042SL00281	042-SB-14	69	71	NA	<5		ND	[UQ]	No	NA		NA	19
011294LUK042SL00282	042-SB-14	79	81	NA	<5		ND	[UQ]	No	ND	[UQ]	No	14
011294LUK042SL00283	042-SB-14	89	91	NA	<5		EB 0.06	[UQ]	No	NA		NA	11
011294LUK042SL00284	042-SB-14	99	101	NA	<5		ND	[UQ]	No	NA		NA	11
011294LUK042SL00285	042-SB-14	109	111	NA	<5		ND	[UQ]	No	NA		NA	12
011294LUK042SL00286	042-SB-14	119	121	NA	20		ND	[UQ]	No	NA		NA	10
011294LUK042SL00287	042-SB-14	129	131	NA	<5		ND	[UQ]	No	NA		NA	12
011294LUK042SL00288	042-SB-14	139	141	NA	<5		ND	[UQ]	No	NA		NA	10
011294LUK042SL00289	042-SB-14	149	151	NA	<5		ND	[UQ]	No	NA		NA	22
011294LUK042SL00290D	042-SB-14	149	151	NA	<5		ND	[UQ]	No	NA		NA	22
011294LUK042SL00292	042-SB-14	159	161	NA	<5		ND	[UQ]	No	NA		NA	20
011294LUK042SL00293	042-SB-14	169	171	NA	<5		ND	[UQ]	No	NA		NA	14
011294LUK042SL00294	042-SB-14	179	181	NA	<5		ND	[UQ]	No	NA		NA	10
011294LUK042SL00295	042-SB-14	189	191	NA	<5		ND	[UQ]	No	NA		NA	14
011294LUK042SL00296	042-SB-14	199	201	NA	<5		ND	[UQ]	No	NA		NA	9
011294LUK042SL00297	042-SB-14	209	211	NA	<5		ND	[UQ]	No	NA		NA	15
011394LUK042SL00300	042-SB-14	219	221	NA	<5		ND	[UQ]	No	NA		NA	15
011394LUK042SL00301	042-SB-14	229	231	NA	<5		ND	[UQ]	No	NA		NA	11
011394LUK042SL00302	042-SB-14	239	241	NA	<5		ND	[UQ]	No	NA		NA	9
011394LUK042SL00303	042-SB-14	249	251	NA	<5		ND	[UQ]	No	NA		NA	5
011394LUK042SL00304	042-SB-14	269	271	NA	<5		ND	[UQ]	No	NA		NA	6
011394LUK042SL00305	042-SB-14	279	281	NA	<5		ND	[UQ]	No	NA		NA	5
011394LUK042SL00306	042-SB-14	309	311	NA	<5		ND	[UQ]	No	NA		NA	17
092493LUK093SL00028	093-SB-06	0	2	NA	9		ND	[UQ]	No	NA		NA	11
092493LUK093SL00029D	093-SB-06	0	2	NA	18		ND	[UQ]	No	NA		NA	13
092493LUK093SL00031	093-SB-06	18	20	NA	30		ND	[UQ]	No	NA		NA	8
092493LUK093SL00032	093-SB-06	28	30	NA	<5		ND	[UQ]	No	NA		NA	<5
092493LUK093SL00033	093-SB-06	38	40	NA	<5		ND	[UQ]	No	NA		NA	8
092493LUK093SL00034	093-SB-06	48	50	NA	<5		ND	[UQ]	No	NA		NA	16
092493LUK093SL00035	093-SB-06	58	60	NA	<5		ND	[UQ]	No	NA		NA	8
092493LUK093SL00036	093-SB-06	68	70	NA	<5		ND	[UQ]	No	NA		NA	10

Table 39-2. Non-Metal Constituents and Lead Results for Soil Samples Collected at SS-42, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Lead
092493LUK093SL00037D	093-SB-06	68	70	NA	<5		ND	[UQ]	No	NA		NA	8
092493LUK093SL00039	093-SB-06	78	80	NA	<5		ND	[UQ]	No	NA		NA	10
092493LUK093SL00040	093-SB-06	88	90	NA	<5		ND	[UQ]	No	NA		NA	9
092793LUK093SL00043	093-SB-06	98	100	NA	<5		TOL 0.14	[UQ]	No	NA		NA	20
092793LUK093SL00044	093-SB-06	108	110	NA	<5		TOL 0.22	[UQ]	No	NA		NA	11
092793LUK093SL00045	093-SB-06	118	120	NA	<5		TOL 0.18	[UQ]	No	NA		NA	11
092793LUK093SL00046	093-SB-06	128	130	NA	<5		ND	[UQ]	No	NA		NA	10
092793LUK093SL00047	093-SB-06	138	140	NA	<5		TOL 0.10	[UQ]	No	NA		NA	11
092793LUK093SL00048	093-SB-06	148	150	NA	<5		ND	[UQ]	No	NA		NA	11
092793LUK093SL00049	093-SB-06	158	160	NA	<5		ND	[UQ]	No	NA		NA	16
092793LUK093SL00050	093-SB-06	168	170	NA	<5		ND	[UQ]	No	NA		NA	15
092793LUK093SL00051	093-SB-06	178	180	NA	<5		ND	[UQ]	No	NA		NA	11
092793LUK093SL00052	093-SB-06	188	190	NA	<5		ND	[UQ]	No	NA		NA	10
092793LUK093SL00053	093-SB-06	198	200	NA	<5		TOL 0.05	[UQ]	No	NA		NA	12
070693LUK42SL00001	42-MW-119	0	2	NA	<5		ND	[UQ]	No	NA		NA	11
070693LUK42SL00002	42-MW-119	8	10	NA	<5		ND	[UQ]	No	NA		NA	5
070693LUK42SL00003	42-MW-119	18	20	NA	<5		ND	uj [UQ]	No	NA		NA	9
070693LUK42SL00004D	42-MW-119	18	20	NA	<5		ND	[UQ]	No	NA		NA	7
070693LUK42SL00006	42-MW-119	28	30	NA	<5		ND	[UQ]	No	NA		NA	10
070693LUK42SL00007	42-MW-119	38	40	NA	<5		ND	[UQ]	No	NA		NA	7
070793LUK42SL00009	42-MW-119	48	50	NA	<5		ND	[UQ]	No	NA		NA	15.3
070793LUK42SL00010	42-MW-119	58	60	NA	<5		ND	[UQ]	No	NA		NA	8
070793LUK42SL00011	42-MW-119	68	70	NA	<5		ND	[UQ]	No	NA		NA	5
070793LUK42SL00012	42-MW-119	78	80	NA	<5		ND	[UQ]	No	NA		NA	6
070793LUK42SL00013	42-MW-119	88	90	NA	<5		ND	[UQ]	No	NA		NA	6
070793LUK42SL00014	42-MW-119	98	100	NA	<5		ND	[UQ]	No	NA		NA	10
070793LUK42SL00015	42-MW-119	108	110	NA	<5		ND	[UQ]	No	NA		NA	7
070793LUK42SL00016	42-MW-119	118	120	NA	<5		ND	[UQ]	No	NA		NA	7
070793LUK42SL00017	42-MW-119	128	130	NA	<5		ND	[UQ]	No	NA		NA	7
070793LUK42SL00018	42-MW-119	138	140	NA	<5		ND	[UQ]	No	NA		NA	10
070793LUK42SL00019	42-MW-119	148	150	NA	<5		ND	[UQ]	No	NA		NA	8
070793LUK42SL00020	42-MW-119	158	160	NA	<5		ND	[UQ]	No	NA		NA	16
070793LUK42SL00021	42-MW-119	168	170	NA	<5		ND	[UQ]	No	NA		NA	15
070793LUK42SL00022	42-MW-119	178	180	NA	<5		ND	[UQ]	No	NA		NA	10
070793LUK42SL00023	42-MW-119	188	190	NA	<5		ND	[UQ]	No	NA		NA	11
070793LUK42SL00025	42-MW-119	198	200	NA	<5		ND	[UQ]	No	NA		NA	7

Table 39-2. Non-Metal Constituents and Lead Results for Soil Samples Collected at SS-42, Operable Unit No. 1, Remedial Investigation, Luke Air Force Base, Arizona

Luke Sample Id	Location	Depth From	Depth To	PCBs	TRPH	Qual.	VOCs	Qual.	VOC-TICs	BNAs	Qual.	BNA-TICs	Lead
070793LUK42SL00026	42-MW-119	208	210	NA	<5		ND	[UQ]	No	NA		NA	<5
070793LUK42SL00027	42-MW-119	218	220	NA	<5		ND	[UQ]	No	NA		NA	9
070793LUK42SL00028D	42-MW-119	218	220	NA	<5		ND	[UQ]	No	NA		NA	9
070793LUK42SL00030	42-MW-119	228	230	NA	<5		ND	[UQ]	No	NA		NA	8
070793LUK42SL00031	42-MW-119	238	240	NA	<5		ND	[UQ]	No	NA		NA	6
070793LUK42SL00032	42-MW-119	278	280	NA	<5		ND	[UQ]	No	NA		NA	<5
070793LUK42SL00033	42-MW-119	298	300	NA	<5		ND	[UQ]	No	NA		NA	7
070793LUK42SL00036	42-MW-119	308	310	NA	<5		ND	[UQ]	No	NA		NA	<5

Concentration of all constituents are expressed in milligrams per kilogram (mg/kg). All depths are in feet below ground surface.

Results provided by Analytical Technologies, Inc.

Note: Soil boring and test pit locations referenced as single digit numbers in the text and figures have been given a leading zero in the analytical tables for formating purposes, eg., SB-1 is expressed as SB-01.

SD	Sediment sample location
SB	Soil boring location
TP	Test pit location
SM	Solid waste matrix
MW	Monitoring well location
D	Duplicate sample
<	Less Than
NA	Not analyzed
ND	Not detected
TR	Trace amount; unquantifiable
*	Constituent detected in method blank
RBNA	Remainder of BNA's

f.comp	Composite from fine-grained sample
c.comp	Composite from coarse-grained sample
ACE	Acetone
ANT	Anthracene
BBP	Butylbenzylpthalate
BEP	Bis(2-ethylhexyl)pthalate
BNA's	Base/neutral and acid extractable compounds
BZ	Benzene
BZA	Benzo(a)anthracene
BZB	Benzo(b)fluoranthene
BZG	Benzo(g,h,i)perylene
TRPH	Total Recoverable Petroleum Hydrocarbons
VOCs	Volatile Organi Compounds
2MNAP	2-Methylnaphthalene
NAP	Naphthalene
XYL	Total Xylenes
PYR	Pyrene

BZK	Benzo(k)fluoranthene
BZP	Benzo(a)pyrene
CRY	Chryzene
DCE	1,1 Dichloroethene
EB	Ethyl benzene
FLU	Fluoranthene
DBA	Dibenzo(a,h)anthracene
DNB	Di-n-butyl phthalate
IND	Indeno(1,2,3-cd)pyrene
MEK	Methyl Ethyl Ketone
MIBK	Methyl Iso-Butyl Ketone
PHEN	Phenanthrene
TCA	1,1,1-Trichloroethane
TCE	Trichloroethene
TOL	Toluene
PCE	Perchloroethene
[UQ]	ATI-Phoenix data of unknown quality as determined by the FFA Parties