

**Table B24-1**  
**Summary of Chemical Constituents Detected in Soil at SWMU B-24, March 2000**

	Soil Comparison Criteria										Soil Comparison Criteria										Soil Comparison Criteria									
	Background <sup>a</sup>		Background <sup>a</sup> GR		RRS2-GWP (Ind.)		RRS2-SAI (Ind.)		B24-SB01				B24-SB01				B24-SB01				B24-SB02									
	Lab MDL	Lab RL	Soil	Soil	N1	GR	N1	GR	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL		
	SW6010B (mg/kg)																													
	Barium	0.08	1.0	186	10.	200	59,000	62.69	J	1	1.0		7.41	J	1	1.0	10.08	J	1	1.0	66.93	J	1	1.0						
Chromium	0.1	20.0	40.2	8.1	10	350,000		17.1	F	1	20.0		7.9	F	1	20.0	11.1	F	1	20.0	22.2		1	20.0						
Copper	0.19	2.0	23.2	13.1	130	74,000		13.45		1	2.0		3.45		1	2.0	6.62		1	2.0	13.19		1	2.0						
Nickel	0.12	2.0	35.5	6.8	200	12,000		9.59	J	1	2.0		3.33	J	1	2.0	5.13	J	1	2.0	11.35	J	1	2.0						
Zinc	0.63	5.0	73.2	11.3	3,100	41,000		32.95		1	5.0		10.36		1	5.0	7.33		1	5.0	28.98		1	5.0						
<b>SW7060A (mg/kg)</b>																														
Arsenic	0.04	0.5	19.6	3.8	5.	200		2.23		1	0.5		0.04	U	1	0.5	0.65		1	0.5	2.96		1	0.5						
<b>SW7131A (mg/kg)</b>																														
Cadmium	0.01	0.1	3.	0.1	0.5	410		0.19		1	0.1		0.01	U	1	0.1	0.01	U	1	0.1	0.21		1	0.1						
<b>SW7421 (mg/kg)</b>																														
Lead	0.13	0.5	84.5	5.5	1.5	1,000		19.39	J	5	2.5		2.21	J	1	0.5	6.12	J	5	2.5	20.16	J	5	2.5						
<b>SW7471A (mg/kg)</b>																														
Mercury	0.01	0.1	0.77	0.1	0.2	9.6		0.02	F	1	0.1		0.01	U	1	0.1	0.01	U	1	0.1	0.02	F	1	0.1						
<b>SW8260B (mg/kg)</b>																														
Benzene	0.0003	0.002	--	--	0.5	1.5	0.0003	U	1	0.002		0.0003	U	1	0.002	0.0004	F	1	0.002	0.0003	U	1	0.002							
Butylbenzene, N-	0.0006	0.005	--	--	NA	NA	0.0008	F	1	0.005		0.0006	U	1	0.005	0.0008	F	1	0.005	0.0006	U	1	0.005							
Methylene chloride	0.0007	0.005	--	--	0.5	16	0.0007	U	1	0.005		0.0007	U	1	0.005	0.0007	U	1	0.005	0.0115		1	0.005							
Naphthalene	0.001	0.02	--	--	200	270	0.0002	F	1	0.02		0.001	U	1	0.02	0.0002	F	1	0.02	0.0003	F	1	0.02							
Tetrachloroethene	0.0005	0.007	--	--	0.5	17	0.0005	U	1	0.007		0.0005	U	1	0.007	0.0005	U	1	0.007	0.0005	U	1	0.007							
Toluene	0.0003	0.005	--	--	100	2,400	0.0003	U	1	0.005		0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005							
Trichlorobenzene, 1,2,3-	0.0008	0.004	--	--	NA	NA	0.0019	F	1	0.004		0.0011	F	1	0.004	0.0018	F	1	0.004	0.0015	F	1	0.004							
Trichlorobenzene, 1,2,4-	0.0006	0.004	--	--	7	6,100	0.0016	F	1	0.004		0.0009	F	1	0.004	0.0019	F	1	0.004	0.0014	F	1	0.004							
<b>SW8270C (mg/kg)</b>																														
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65	0.16	F	1	0.7		2.20		1	0.7	0.03	U	1	0.7	0.04	F	1	0.7							
Di-n-butylphthalate	0.04	0.7	--	--	1,000	100,000	0.04	U	1	0.7		0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7							
<b>SW8330 (mg/kg)</b>																														
Dinitrotoluene, 2,4-	0.027	0.25	--	--	0.042	4.2	0.027	U	1	0.25		0.027	U	1	0.25	0.027	U	1	0.25	0.027	U	1	0.25							

Tables present all laboratory results for analytes detected above the method detection limit.

Results from all laboratory analysis are presented in Appendix B.

All samples were analyzed by APPL Inc. and DataChem Laboratories.

Referenced laboratory package numbers: APPL Inc.: 32326, 32337

DataChem: 79-01, 80-01

All MS/MSD results are presented in the Data Verification Report, Appendix E.

#### Data Qualifiers:

B- The analyte was found in an associated blank, as well as in the sample

F- The analyte was positively identified, but the associated numerical value is below the RL.

J- The analyte was positively identified, the quantitation is an estimation.

M- A matrix effect was present.

R- The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.

U- The analyte was analyzed for, but not detected. The associated numerical value is the MDL.

#### Abbreviations and Notes:

Highlighted and bolded sample concentrations exceed RRS1 (background) Standards.

Boxed samples indicate results greater than RRS2 Standards.

-- No risk reduction standard or background level available

a Background values from Revised Background Report, 2001

DL Dilution

FD1 Field Duplicate

GR Glen Rose

GWP-Ind Soil MSC based on groundwater protection

Kr Krum Complex

MDL Method Detection Limit

N1 Environmental Sample

NA Not Available

RL Reporting Limit

SAI-Ind Soil MSC for industrial use based on inhalation, ingestion, and dermal contact

SQL Sample Quantitation Limit

**Table B24-1**  
**Summary of Chemical Constituents Detected in Soil at SWMU B-24, March 2000**

	Soil Comparison Criteria		Lab ID	Sample ID	B24-SB02	B24-SB02	B24-SB03	B24-SB03										
	Lab MDL	Lab RL		Background <sup>a</sup>	RRS2-GWP (Ind.)	RRS2-SAI (Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL
				Soil	Background <sup>a</sup> GR													
						GR												
							Beginning Depth											
							Ending Depth											
<b>SW6010B (mg/kg)</b>																		
Barium	0.08	1.0	186	10.	200	59,000	5.94	J	1	1.0	7.8	J	1	1.0	116.25	J	1	1.0
Chromium	0.1	20.0	40.2	8.1	10	350,000	6.5	F	1	20.0	7.0	F	1	20.0	31.1	1	20.0	30.8
Copper	0.19	2.0	23.2	13.1	130	74,000	2.89		1	2.0	4.57		1	2.0	17.07	1	2.0	16.26
Nickel	0.12	2.0	35.5	6.8	200	12,000	2.79	J	1	2.0	4.75	J	1	2.0	15.82	J	1	2.0
Zinc	0.63	5.0	73.2	11.3	3,100	41,000	7.46		1	5.0	9.58		1	5.0	39.08	1	5.0	35.86
<b>SW7060A (mg/kg)</b>																		
Arsenic	0.04	0.5	19.6	3.8	5.	200	0.04	U	1	0.5	0.04	U	1	0.5	3.60	J	1	0.5
<b>SW7131A (mg/kg)</b>																		
Cadmium	0.01	0.1	3.	0.1	0.5	410	0.01	U	1	0.1	0.01	U	1	0.1	0.28	J	1	0.1
<b>SW7421 (mg/kg)</b>																		
Lead	0.13	0.5	84.5	5.5	1.5	1,000	1.93	J	1	0.5	2.18	J	1	0.5	28.56	J	10	5.0
<b>SW7471A (mg/kg)</b>																		
Mercury	0.01	0.1	0.77	0.1	0.2	9.6	0.01	U	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1
<b>SW8260B (mg/kg)</b>																		
Benzene	0.0003	0.002	--	--	0.5	1.5	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002
Butylbenzene, N-	0.0006	0.005	--	--	NA	NA	0.0006	U	1	0.005	0.0006	U	1	0.005	0.0006	U	1	0.005
Methylene chloride	0.0007	0.005	--	--	0.5	16	<b>0.0094</b>	<b>1 0.005</b>	<b>0.0075</b>	<b>1 0.005</b>	<b>0.0101</b>	<b>B</b>	<b>1 0.005</b>	<b>0.0081</b>	<b>B</b>	<b>1 0.005</b>		
Naphthalene	0.001	0.02	--	--	200	270	0.0005	F	1	0.02	0.0005	F	1	0.02	0.001	U	1	0.02
Tetrachloroethene	0.0005	0.007	--	--	0.5	17	0.0005	U	1	0.007	0.0005	U	1	0.007	0.0011	F	1	0.007
Toluene	0.0003	0.005	--	--	100	2,400	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005
Trichlorobenzene, 1,2,3-	0.0008	0.004	--	--	NA	NA	0.0013	F	1	0.004	0.0013	F	1	0.004	0.0008	U	1	0.004
Trichlorobenzene, 1,2,4-	0.0006	0.004	--	--	7	6,100	0.0010	F	1	0.004	0.0009	F	1	0.004	0.0006	U	1	0.004
<b>SW8270C (mg/kg)</b>																		
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65	<b>1.40</b>	<b>1 0.7</b>	0.22	F	1	0.7	0.05	F	1	0.7	0.03	U
Di-n-butylphthalate	0.04	0.7	--	--	1,000	100,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7
<b>SW8330 (mg/kg)</b>																		
Dinitrotoluene, 2,4-	0.027	0.25	--	--	0.042	4.2	0.027	U	1	0.25	0.027	U	1	0.25	0.027	U	1	0.25

Tables present all laboratory results for analytes detected above the method detection limit.

Results from all laboratory analysis are presented in Appendix B.

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Referenced laboratory package numbers: APPL Inc.: 32326, 32337

DataChem: 79-01, 80-01

All MS/MSD results are presented in the Data Verification Report, Appendix E.

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N1 Environmental Sample

NA Not Available

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SAI-Ind Soil MSC for industrial use based on inhalation, ingestion, and dermal contact

SQL Sample Quantitation Limit

**Table B24-1**  
**Summary of Chemical Constituents Detected in Soil at SWMU B-24, March 2000**

	Soil Comparison Criteria		Sample ID B24-SB03 Sample Date 03/30/00 Sample Type N1 Soil Type GR Beginning Depth 11.5 Ending Depth 12 Lab ID AP90502/00C00767																			
	Background <sup>a</sup> Lab MDL	Background <sup>a</sup> Lab RL	Soil	Background <sup>a</sup> GR (Ind.)	RRS2-GWP (Ind.)	RRS2-SAI (Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL				
	<b>SW6010B (mg/kg)</b>																					
	Barium	0.08	1.0	186	10.	200	59,000	4.56	J	1	1.0	6.52	J	1	1.0	47.45	J	1	1.0			
	Chromium	0.1	20.0	40.2	8.1	10	350,000	2.8	F	1	20.0	7.6	F	1	20.0	11.3	F	1	20.0			
	Copper	0.19	2.0	23.2	13.1	130	74,000	1.8	F	1	2.0	2.8		1	2.0	4.68		1	2.0			
	Nickel	0.12	2.0	35.5	6.8	200	12,000	2.83	J	1	2.0	3.09	J	1	2.0	5.79	J	1	2.0			
	Zinc	0.63	5.0	73.2	11.3	3,100	41,000	5.73		1	5.0	6.26		1	5.0	12.74		1	5.0			
<b>SW7060A (mg/kg)</b>																						
Arsenic	0.04	0.5	19.6	3.8	5.	200		0.04	R	1	0.5	0.04	R	1	0.5	0.04	R	1	0.5			
<b>SW7131A (mg/kg)</b>																						
Cadmium	0.01	0.1	3.	0.1	0.5	410		0.01	R	1	0.1	0.01	R	1	0.1	0.08	F	1	0.1			
<b>SW7421 (mg/kg)</b>																						
Lead	0.13	0.5	84.5	5.5	1.5	1,000		0.50	J	1	0.5	1.55	J	1	0.5	5.80	J	5	2.5			
<b>SW7471A (mg/kg)</b>																						
Mercury	0.01	0.1	0.77	0.1	0.2	9.6		0.01	U	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1			
<b>SW8260B (mg/kg)</b>																						
Benzene	0.0003	0.002	--	--	0.5	1.5	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002				
Butylbenzene, N-	0.0006	0.005	--	--	NA	NA	0.0006	U	1	0.005	0.0006	U	1	0.005	0.0006	U	1	0.005				
Methylene chloride	0.0007	0.005	--	--	0.5	16	<b>0.0059</b>	<b>B</b>	<b>1</b>	<b>0.005</b>	<b>0.0056</b>	<b>B</b>	<b>1</b>	<b>0.005</b>	<b>0.0053</b>	<b>B</b>	<b>1</b>	<b>0.005</b>				
Naphthalene	0.001	0.02	--	--	200	270	0.0005	U	1	0.007	0.0005	U	1	0.007	0.0005	U	1	0.007				
Tetrachloroethene	0.0005	0.007	--	--	0.5	17																
Toluene	0.0003	0.005	--	--	100	2,400	0.0003	U	1	0.005	0.0004	F	1	0.005	0.0003	U	1	0.005				
Trichlorobenzene, 1,2,3-	0.0008	0.004	--	--	NA	NA	0.0008	U	1	0.004	0.0008	U	1	0.004	0.0008	U	1	0.004				
Trichlorobenzene, 1,2,4-	0.0006	0.004	--	--	7	6,100	0.0006	U	1	0.004	0.0006	U	1	0.004	0.0006	U	1	0.004				
<b>SW8270C (mg/kg)</b>																						
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65	<b>13.00</b>	<b>10</b>	<b>7.0</b>	<b>2.20</b>	<b>1</b>	<b>0.7</b>		0.03	U	1	0.7	<b>27.00</b>	<b>20</b>	<b>14</b>		
Di-n-butylphthalate	0.04	0.7	--	--	1,000	100,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.06	F	1	0.7
<b>SW8330 (mg/kg)</b>																						
Dinitrotoluene, 2,4-	0.027	0.25	--	--	0.042	4.2	0.027	U	1	0.25	0.027	U	1	0.25	0.027	U	1	0.25	0.027	U	1	0.25

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GWP-Ind Soil MSC based on groundwater protection

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N1 Environmental Sample

NA Not Available

RL Reporting Limit

SAI-Ind Soil MSC for industrial use based on inhalation, ingestion, and dermal contact

SQL Sample Quantitation Limit

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**Summary of Chemical Constituents Detected in Soil at SWMU B-24, March 2000**

	Sample ID		B24-SB04	B24-SB05		B24-SB05		B24-SB05		B24-SB05																				
	Sample Date	03/30/00	Sample Date	03/30/00	Sample Date	03/30/00	Sample Date	03/30/00	Sample Date	03/30/00	Sample Date																			
	Sample Type	N1	Sample Type	N1	Sample Type	N1	Sample Type	FD1	Sample Type	N1	Sample Type																			
	Soil Type	GR	Soil Type	Soil (Kr)	Soil Type	GR	Soil Type	GR	Soil Type	GR	Soil Type																			
	Beginning Depth	18	Beginning Depth	0	Beginning Depth	12	Beginning Depth	14	Beginning Depth	12	Beginning Depth																			
	Ending Depth	18.5	Ending Depth	0.5	Ending Depth	14	Ending Depth	14	Ending Depth	18	Ending Depth																			
	Lab ID		AP90506/00C00771		AP90507/00C00772		AP90509/00C00773		AP90512/00C00774		AP90513/00C00775																			
	Soil Comparison Criteria																													
	Background <sup>a</sup> Lab MDL	Background <sup>a</sup> Lab RL	Soil Soil	Background <sup>a</sup> GR	RRS2-GWP (Ind.)	RRS2-SAI (Ind.)	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL	Results	Flags	Dilution	SQL								
<b>SW6010B (mg/kg)</b>																														
Barium	0.08	1.0	186	10.	200	59,000	4.5	J	1	1.0	118.78	J	1	1.0	8.53	J	1	1.0	7.72	J	1	1.0	9.83	J	1	1.0				
Chromium	0.1	20.0	40.2	8.1	10	350,000	4.5	F	1	20.0	30.5	1	20.0	7.6	F	1	20.0	7.1	F	1	20.0	10.1	F	1	20.0					
Copper	0.19	2.0	23.2	13.1	130	74,000	2.6		1	2.0	20.5	1	2.0	3.09		1	2.0	3.11		1	2.0	5.44		1	2.0					
Nickel	0.12	2.0	35.5	6.8	200	12,000	3.12	J	1	2.0	16.15	J	1	2.0	5.21	M	1	2.0	4.63	M	1	2.0	5.82	J	1	2.0				
Zinc	0.63	5.0	73.2	11.3	3,100	41,000	5.11		1	5.0	44.01	1	5.0	8.47		1	5.0	10.24		1	5.0	9.02		1	5.0					
<b>SW7060A (mg/kg)</b>																														
Arsenic	0.04	0.5	19.6	3.8	5.	200	0.04	R	1	0.5	0.71	J	1	0.5	0.04	R	1	0.5	0.16	F	1	0.5	1.30	J	1	0.5				
<b>SW7131A (mg/kg)</b>																														
Cadmium	0.01	0.1	3.	0.1	0.5	410	0.01	R	1	0.1	0.24	J	1	0.1	0.01	R	1	0.1	0.01	R	1	0.1	0.07	F	1	0.1				
<b>SW7421 (mg/kg)</b>																														
Lead	0.13	0.5	84.5	5.5	1.5	1,000	1.30	J	1	0.5	42.94	J	10	5.0	3.05	M	1	0.5	2.18	M	1	0.5	5.85	J	5	2.5				
<b>SW7471A (mg/kg)</b>																														
Mercury	0.01	0.1	0.77	0.1	0.2	9.6	0.01	U	1	0.1	0.03	F	1	0.1	0.06	F	1	0.1	0.01	U	1	0.1	0.01	U	1	0.1				
<b>SW8260B (mg/kg)</b>																														
Benzene	0.0003	0.002	--	--	0.5	1.5	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0003	U	1	0.002	0.0004	F	1	0.002				
Butylbenzene, N-	0.0006	0.005	--	--	NA	NA	0.0006	U	1	0.005	0.0006	U	1	0.005	0.0006	M	1	0.005	0.0006	M	1	0.005	0.0006	U	1	0.005				
Methylene chloride	0.0007	0.005	--	--	0.5	16	0.0038	F	1	0.005	0.0053	B	1	0.005	0.0049	F	1	0.005	0.0037	F	1	0.005	0.0050	B	1	0.005				
Naphthalene	0.001	0.02	--	--	200	270	0.001	U	1	0.02	0.001	U	1	0.02	0.001	M	1	0.02	0.001	M	1	0.02	0.001	U	1	0.02				
Tetrachloroethene	0.0005	0.007	--	--	0.5	17	0.0005	U	1	0.007	0.0005	U	1	0.007	0.0005	U	1	0.007	0.0005	U	1	0.007	0.0005	U	1	0.007				
Toluene	0.0003	0.005	--	--	100	2,400	0.0011	F	1	0.005	0.0075	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005	0.0003	U	1	0.005					
Trichlorobenzene, 1,2,3-	0.0008	0.004	--	--	NA	NA	0.0008	U	1	0.004	0.0008	U	1	0.004	0.0008	M	1	0.004	0.0008	M	1	0.004	0.0008	U	1	0.004				
Trichlorobenzene, 1,2,4-	0.0006	0.004	--	--	7	6,100	0.0006	U	1	0.004	0.0006	U	1	0.004	0.0006	M	1	0.004	0.0006	M	1	0.004	0.0006	U	1	0.004				
<b>SW8270C (mg/kg)</b>																														
Bis(2-ethylhexyl)phthalate	0.03	0.7	--	--	0.6	65	2.00	1	0.7	0.03	U	1	0.7	14.00	M	10	7.0	0.26	M	1	0.7	2.70	1	0.7						
Di-n-butylphthalate	0.04	0.7	--	--	1,000	100,000	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7	0.04	U	1	0.7				
<b>SW8330 (mg/kg)</b>																														
Dinitrotoluene, 2,4-	0.027	0.25	--	--	0.042	4.2	0.027	U	1	0.25	0.328	1	0.25	0.027	U	1	0.25	0.027	U	1	0.25	0.027	U	1	0.25					

Tables present all laboratory results for analytes detected above the method detection limit.

Results from all laboratory analysis are presented in Appendix B.

All samples were analyzed by APPL Inc. and DataChem Laboratories.

Referenced laboratory package numbers: APPL Inc.: 32326, 32337

DataChem: 79-01, 80-01

All MS/MSD results are presented in the Data Verification Report, Appendix E.

#### Data Qualifiers:

B- The analyte was found in an associated blank, as well as in the sample

F- The analyte was positively identified but the associated numerical value is below the RL.

J- The analyte was positively identified, the quantitation is an estimation.

M- A matrix effect was present.

R- The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.

U- The analyte was analyzed for, but not detected. The associated numerical value is the MDL.