

APPENDIX F

**PHASE II RCRA RFI REPORT
SOUTH CENTRAL LANDFILL (SWMU 1)
FORT STEWART, GEORGIA**

**ANALYTICAL LABORATORY RESULTS
AND
CHAIN-OF-CUSTODY FORMS**

ANALYTICAL LABORATORY RESULTS

315

Location: SWMU-1
Station: GP-1

GP-1

011151

4.0 - 6.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	2.3	UG/KG	U	U	
REG	1,1,2-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1-Dichloroethane	2.3	UG/KG	U	UJ	C05
REG	1,1-Dichloroethene	2.3	UG/KG	U	U	
REG	1,2-Dichloroethane	2.3	UG/KG	U	U	
REG	1,2-Dichloroethene	2.3	UG/KG	U	U	
REG	1,2-Dichloropropane	2.3	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	2.3	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	2.3	UG/KG	U	U	
REG	2-Butanone	5.7	UG/KG	U	U	
REG	2-Hexanone	5.7	UG/KG	U	U	
REG	4-Methyl-2-pentanone	5.7	UG/KG	U	U	
REG	Acetone	5.7	UG/KG	U	U	
REG	Benzene	2.3	UG/KG	U	U	
REG	Bromodichloromethane	2.3	UG/KG	U	U	
REG	Bromoform	2.3	UG/KG	U	U	
REG	Bromomethane	2.3	UG/KG	U	U	
REG	Carbon Disulfide	5.7	UG/KG	U	UJ	C05
REG	Carbon Tetrachloride	2.3	UG/KG	U	U	
REG	Chlorobenzene	2.3	UG/KG	U	U	
REG	Chloroethane	2.3	UG/KG	U	U	
REG	Chloroform	2.3	UG/KG	U	U	
REG	Chloromethane	2.3	UG/KG	U	U	
REG	Dibromochloromethane	2.3	UG/KG	U	U	
REG	Ethylbenzene	2.3	UG/KG	U	U	
REG	Methylene Chloride	1.6	UG/KG	J	J	
REG	Styrene	2.3	UG/KG	U	U	
REG	Tetrachloroethene	2.3	UG/KG	U	U	
REG	Toluene	0.32	UG/KG	J	J	
REG	Trichloroethene	2.3	UG/KG	U	U	
REG	Vinyl Chloride	2.3	UG/KG	U	U	
REG	Xylenes, Total	2.3	UG/KG	U	U	

011161

4.0 - 6.0 FT

Field Sample Type: Field Duplicate

Matrix: Soil

Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	2.3	UG/KG	U	U	
REG	1,1,2-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1-Dichloroethane	2.3	UG/KG	U	UJ	C05
REG	1,1-Dichloroethene	2.3	UG/KG	U	U	
REG	1,2-Dichloroethane	2.3	UG/KG	U	U	
REG	1,2-Dichloroethene	2.3	UG/KG	U	U	
REG	1,2-Dichloropropane	2.3	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	2.3	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	2.3	UG/KG	U	U	
REG	2-Butanone	5.7	UG/KG	U	U	
REG	2-Hexanone	5.7	UG/KG	U	U	
REG	4-Methyl-2-pentanone	5.7	UG/KG	U	U	
REG	Acetone	5.7	UG/KG	U	U	
REG	Benzene	2.3	UG/KG	U	U	
REG	Bromodichloromethane	2.3	UG/KG	U	U	
REG	Bromoform	2.3	UG/KG	U	U	
REG	Bromomethane	2.3	UG/KG	U	U	
REG	Carbon Disulfide	5.7	UG/KG	U	UJ	C05
REG	Carbon Tetrachloride	2.3	UG/KG	U	U	
REG	Chlorobenzene	2.3	UG/KG	U	U	
REG	Chloroethane	2.3	UG/KG	U	U	
REG	Chloroform	2.3	UG/KG	U	U	
REG	Chloromethane	2.3	UG/KG	U	U	
REG	Dibromochloromethane	2.3	UG/KG	U	U	
REG	Ethylbenzene	2.3	UG/KG	U	U	
REG	Methylene Chloride	0.63	UG/KG	J	J	
REG	Styrene	2.3	UG/KG	U	U	
REG	Tetrachloroethene	2.3	UG/KG	U	U	
REG	Toluene	2.3	UG/KG	U	U	
REG	Trichloroethene	2.3	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : GP-1 GP-1

011161 4.0 - 6.0 FT Field Sample Type: Field Duplicate Matrix: Soil Collected: 11/06/97

Sample Type	Volatiles Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Vinyl Chloride	2.3	UG/KG	U	U	
REG	Xylenes, Total	2.3	UG/KG	U	U	

012151 7.0 - 12.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/06/97

Sample Type	Volatiles Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	UJ	C05
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	0.22	UG/L	J	J	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	6.5	UG/L		=	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	0.85	UG/L	J	J	

TBA002 0.0 - 0.0 FT Field Sample Type: Trip Blank Matrix: Quality Control Collected: 11/06/97

Sample Type	Volatiles Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	UJ	C05
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	94.7	UG/L		=	
REG	2-Hexanone	6.4	UG/L		J	C05
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	99.6	UG/L		J	C05
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	

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Location: SWMU-1
Station : GP-1 GP-1

TBA002 0.0 - 0.0 FT Field Sample Type: Trip Blank Matrix: Quality Control Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	2	UG/L	U	U	

Location: SWMU-1
Station : GP-10 GP-10

011A51 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	2.3	UG/KG	U	UJ	K01
REG	1,1,2-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1-Dichloroethane	2.3	UG/KG	U	U	
REG	1,1-Dichloroethene	2.3	UG/KG	U	U	
REG	1,2-Dichloroethane	2.3	UG/KG	U	U	
REG	1,2-Dichloroethene	2.3	UG/KG	U	U	
REG	1,2-Dichloropropane	2.3	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	2.3	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	2.3	UG/KG	U	U	
REG	2-Butanone	14.1	UG/KG		=	
REG	2-Hexanone	5.7	UG/KG	U	UJ	K01
REG	4-Methyl-2-pentanone	5.7	UG/KG	U	UJ	K01
REG	Acetone	133	UG/KG		=	
REG	Benzene	2.3	UG/KG	U	U	
REG	Bromodichloromethane	2.3	UG/KG	U	U	
REG	Bromoform	2.3	UG/KG	U	U	
REG	Bromomethane	2.3	UG/KG	U	U	
REG	Carbon Disulfide	5.7	UG/KG	U	U	
REG	Carbon Tetrachloride	2.3	UG/KG	U	U	
REG	Chlorobenzene	2.3	UG/KG	U	UJ	K01
REG	Chloroethane	2.3	UG/KG	U	U	
REG	Chloroform	2.3	UG/KG	U	U	
REG	Chloromethane	2.3	UG/KG	U	U	
REG	Dibromochloromethane	2.3	UG/KG	U	U	
REG	Ethylbenzene	2.3	UG/KG	U	UJ	K01
REG	Methylene Chloride	2.3	UG/KG	U	U	
REG	Styrene	2.3	UG/KG	U	UJ	K01
REG	Tetrachloroethene	2.3	UG/KG	U	UJ	K01
REG	Toluene	2.2	UG/KG	J	J	K01
REG	Trichloroethene	2.3	UG/KG	U	U	
REG	Vinyl Chloride	2.3	UG/KG	U	U	
REG	Xylenes, Total	2.3	UG/KG	U	UJ	K01
TIC REG	3.000 Naphthalene	3	UG/KG	NJ		

012A51 Field Sample Type: Grab Matrix: Groundwater Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,1,1-Trichloroethane	50	UG/L	U	U	
DIL	1,1,2,2-Tetrachloroethane	50	UG/L	U	U	
DIL	1,1,2-Trichloroethane	50	UG/L	U	U	
DIL	1,1-Dichloroethane	50	UG/L	U	U	
DIL	1,1-Dichloroethene	50	UG/L	U	U	
DIL	1,2-Dichloroethane	50	UG/L	U	U	
DIL	1,2-Dichloropropane	50	UG/L	U	U	
DIL	1,2-cis-Dichloroethene	50	UG/L	U	U	
DIL	1,2-trans-Dichloroethene	50	UG/L	U	U	
DIL	1,3-cis-Dichloropropene	50	UG/L	U	U	
DIL	1,3-trans-Dichloropropene	50	UG/L	U	U	
DIL	2-Butanone	100	UG/L	U	UJ	C05
DIL	2-Hexanone	100	UG/L	U	U	
DIL	4-Methyl-2-pentanone	100	UG/L	U	UJ	C05

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : GP-10 GP-10

012A51

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	Acetone	139	UG/L	D	J	C01,F08
DIL	Benzene	50	UG/L	U	U	
DIL	Bromodichloromethane	50	UG/L	U	U	
DIL	Bromoform	50	UG/L	U	U	
DIL	Bromomethane	100	UG/L	U	U	
DIL	Carbon Disulfide	50	UG/L	U	U	
DIL	Carbon Tetrachloride	50	UG/L	U	U	
DIL	Chlorobenzene	9.4	UG/L	DJ	J	
DIL	Chloroethane	100	UG/L	U	U	
DIL	Chloroform	50	UG/L	U	U	
DIL	Chloromethane	100	UG/L	U	U	
DIL	Dibromochloromethane	50	UG/L	U	U	
DIL	Ethylbenzene	50	UG/L	U	U	
DIL	Methylene Chloride	50	UG/L	U	U	
DIL	Styrene	50	UG/L	U	U	
DIL	Tetrachloroethene	50	UG/L	U	U	
DIL	Toluene	50	UG/L	U	U	
DIL	Trichloroethene	50	UG/L	U	U	
DIL	Vinyl Chloride	100	UG/L	U	U	
DIL	Xylenes, Total	17	UG/L	DJ	J	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	C01,F08
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	139	UG/L	D	J	
REG	Benzene	0.23	UG/L	J	J	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	C05
REG	Carbon Disulfide	5	UG/L	U	UJ	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	9.8	UG/L		=	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	1.3	UG/L	J	J	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	11.9	UG/L		=	
TIC REG	4.000 Benzene	4	UG/L	NJ		
TIC REG	6.300 Naphthalene	6.3	UG/L	NJ		

TBA005

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	

Location: SWMU-1
Station : GP-10

GP-10

TBA005

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	4.8	UG/L	J	J	
REG	Acetone	29.1	UG/L			C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

TBA006

0.0 - 0.0 FT

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	4.3	UG/L	J	J	
REG	Acetone	20.9	UG/L		J	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : GP-11 GP-11

012B51 1.0 - 6.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	1.3	UG/L	J	J	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	12.8	UG/L		=	

012B61 1.0 - 6.0 FT Field Sample Type: Field Duplicate Matrix: Groundwater Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	15.6	UG/L		J	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	2.3	UG/L	J	J	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	

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Location: SWMU-1

Station : GP-11 GP-11

012B61

1.0 - 6.0 FT

Field Sample Type: Field Duplicate

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Toluene	0.19	UG/L	J	J	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	22.1	UG/L		=	

Location: SWMU-1

Station : GP-12 GP-12

012C51

1.0 - 6.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	0.4	UG/L	J	J	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	3.8	UG/L	J	J	

Location: SWMU-1

Station : GP-13 GP-13

012D51

1.0 - 6.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	UJ	C05
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : GP-13

GP-13

012D51 1.0 - 6.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Benzene	2	UG/L	U	U	C05
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	17.8	UG/L		=	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	0.43	UG/L	J	J	

012D81 Field Sample Type: Equipment Rinsate Matrix: Quality Control Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	C05
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	UJ	
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	C05
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	0.47	UG/L	J	J	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	2	UG/L	U	U	

Location: SWMU-1
Station : GP-14

GP-14

012E51 2.0 - 7.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	C05
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	UJ	

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Location: SWMU-1
Station : GP-14

GP-14

012E51

2.0 - 7.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	1.5	UG/L	J	J	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	2	UG/L	U	U	

Location: SWMU-1
Station : GP-15

GP-15

012F51

1.0 - 2.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/08/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	22	UG/L		=	F08
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	0.41	UG/L	J	J	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	0.29	UG/L	J	J	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	3	UG/L	J	J	
REG	Trichloroethene	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : GP-15 GP-15

012F51 1.0 - 2.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/08/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	2.7	UG/L	J	J	

Location: SWMU-1

Station : GP-16 GP-16

012G51 1.0 - 3.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/08/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	73.1	UG/L	J		C01,F08
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	1.2	UG/L	J	J	

Location: SWMU-1

Station : GP-17 GP-17

012H51 Field Sample Type: Grab Matrix: Groundwater Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	

Location: SWMU-1
Station : GP-17

GP-17

012H51

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	1.6	UG/L	J	J	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	12.5	UG/L		=	

Location: SWMU-1
Station : GP-18

GP-18

012J51

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,1,1-Trichloroethane	50	UG/L	U	U	
DIL	1,1,2,2-Tetrachloroethane	50	UG/L	U	U	
DIL	1,1,2-Trichloroethane	50	UG/L	U	U	
DIL	1,1-Dichloroethane	50	UG/L	U	U	
DIL	1,1-Dichloroethene	50	UG/L	U	U	
DIL	1,2-Dichloroethane	50	UG/L	U	U	
DIL	1,2-Dichloropropane	50	UG/L	U	U	
DIL	1,2-cis-Dichloroethene	50	UG/L	U	U	
DIL	1,2-trans-Dichloroethene	50	UG/L	U	U	
DIL	1,3-cis-Dichloropropene	50	UG/L	U	U	
DIL	1,3-trans-Dichloropropene	50	UG/L	U	U	
DIL	2-Butanone	100	UG/L	U	UJ	C05
DIL	2-Hexanone	100	UG/L	U	U	
DIL	4-Methyl-2-pentanone	100	UG/L	U	UJ	C05
DIL	Acetone	1140	UG/L	DE	J	C01,F08
DIL	Benzene	50	UG/L	U	U	
DIL	Bromodichloromethane	50	UG/L	U	U	
DIL	Bromoform	50	UG/L	U	U	
DIL	Bromomethane	100	UG/L	U	U	
DIL	Carbon Disulfide	50	UG/L	U	U	
DIL	Carbon Tetrachloride	50	UG/L	U	U	
DIL	Chlorobenzene	50	UG/L	U	U	
DIL	Chloroethane	100	UG/L	U	U	
DIL	Chloroform	50	UG/L	U	U	
DIL	Chloromethane	100	UG/L	U	U	
DIL	Dibromochloromethane	50	UG/L	U	U	
DIL	Ethylbenzene	9.8	UG/L	DJ	J	
DIL	Methylene Chloride	50	UG/L	U	U	
DIL	Styrene	50	UG/L	U	U	
DIL	Tetrachloroethene	50	UG/L	U	U	
DIL	Toluene	50	UG/L	U	U	
DIL	Trichloroethene	50	UG/L	U	U	
DIL	Vinyl Chloride	100	UG/L	U	U	
DIL	Xylenes, Total	83.4	UG/L	D	=	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : GP-18 GP-18

012J51

Field Sample Type: Grab Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	1140	UG/L	D	J	C01,F08
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	15.2	UG/L		=	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	115	UG/L		=	

TBA003

Field Sample Type: Trip Blank Matrix: Quality Control

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	0.18	UG/L	J	J	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

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Location: SWMU-1
Station : GP-19

GP-19

012K51

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	12	UG/L		UJ	F04,F07,C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: SWMU-1
Station : GP-2

GP-2

011251

0.0 - 2.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2.2	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	2.2	UG/KG	U	U	
REG	1,1,2-Trichloroethane	2.2	UG/KG	U	U	
REG	1,1-Dichloroethane	2.2	UG/KG	U	U	
REG	1,1-Dichloroethene	2.2	UG/KG	U	U	
REG	1,2-Dichloroethane	2.2	UG/KG	U	U	
REG	1,2-Dichloroethene	2.2	UG/KG	U	U	
REG	1,2-Dichloropropane	2.2	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	2.2	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	2.2	UG/KG	U	U	
REG	2-Butanone	5.6	UG/KG	U	U	
REG	2-Hexanone	5.6	UG/KG	U	U	
REG	4-Methyl-2-pentanone	5.6	UG/KG	U	U	
REG	Acetone	6.5	UG/KG		=	
REG	Benzene	2.2	UG/KG	U	U	
REG	Bromodichloromethane	2.2	UG/KG	U	U	
REG	Bromoform	2.2	UG/KG	U	U	
REG	Bromomethane	2.2	UG/KG	U	U	
REG	Carbon Disulfide	5.6	UG/KG	U	U	
REG	Carbon Tetrachloride	2.2	UG/KG	U	U	
REG	Chlorobenzene	2.2	UG/KG	U	U	
REG	Chloroethane	2.2	UG/KG	U	U	
REG	Chloroform	2.2	UG/KG	U	U	
REG	Chloromethane	2.2	UG/KG	U	U	
REG	Dibromochloromethane	2.2	UG/KG	U	U	
REG	Ethylbenzene	2.2	UG/KG	U	U	
REG	Methylene Chloride	2.2	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : GP-2 GP-2

011251 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Styrene	2.2	UG/KG	U	U	
REG	Tetrachloroethene	2.2	UG/KG	U	U	
REG	Toluene	2.2	UG/KG	U	U	
REG	Trichloroethene	2.2	UG/KG	U	U	
REG	Vinyl Chloride	2.2	UG/KG	U	U	
REG	Xylenes, Total	2.2	UG/KG	U	U	

012251 7.0 - 12.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,1,1-Trichloroethane	50	UG/L	U	U	
DIL	1,1,2,2-Tetrachloroethane	50	UG/L	U	U	
DIL	1,1,2-Trichloroethane	50	UG/L	U	U	
DIL	1,1-Dichloroethane	50	UG/L	U	U	
DIL	1,1-Dichloroethene	50	UG/L	U	U	
DIL	1,2-Dichloroethane	50	UG/L	U	U	
DIL	1,2-Dichloropropane	50	UG/L	U	U	
DIL	1,2-cis-Dichloroethene	50	UG/L	U	U	
DIL	1,2-trans-Dichloroethene	50	UG/L	U	U	
DIL	1,3-cis-Dichloropropene	50	UG/L	U	U	
DIL	1,3-trans-Dichloropropene	50	UG/L	U	U	
DIL	2-Butanone	100	UG/L	U	UJ	C05
DIL	2-Hexanone	100	UG/L	U	U	
DIL	4-Methyl-2-pentanone	100	UG/L	U	UJ	C05
DIL	Acetone	100	UG/L	U	R	C01
DIL	Benzene	50	UG/L	U	U	
DIL	Bromodichloromethane	50	UG/L	U	U	
DIL	Bromoform	50	UG/L	U	U	
DIL	Bromomethane	100	UG/L	U	U	
DIL	Carbon Disulfide	50	UG/L	U	U	
DIL	Carbon Tetrachloride	50	UG/L	U	U	
DIL	Chlorobenzene	50	UG/L	U	U	
DIL	Chloroethane	100	UG/L	U	U	
DIL	Chloroform	50	UG/L	U	U	
DIL	Chloromethane	100	UG/L	U	U	
DIL	Dibromochloromethane	50	UG/L	U	U	
DIL	Ethylbenzene	21.9	UG/L	DJ	J	
DIL	Methylene Chloride	50	UG/L	U	U	
DIL	Styrene	50	UG/L	U	U	
DIL	Tetrachloroethene	50	UG/L	U	U	
DIL	Toluene	50	UG/L	U	U	
DIL	Trichloroethene	50	UG/L	U	U	
DIL	Vinyl Chloride	100	UG/L	U	U	
DIL	Xylenes, Total	212	UG/L	D	=	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	2.3	UG/L	J	J	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	

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Location: SWMU-1
Station: GP-2

GP-2

012251

7.0 - 12.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	26.9	UG/L	=		
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	212	UG/L	D	=	

TBA004

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: SWMU-1
Station: GP-20

GP-20

012M51

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/05/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,2-cis-Dichloroethene	2	UG/L	U	U	
REG	1,2-trans-Dichloroethene	2	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : GP-20 GP-20

012M51 Field Sample Type: Grab Matrix: Groundwater Collected: 11/05/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C01
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	2	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	2.2	UG/L		=	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	2	UG/L	U	U	

Location: SWMU-1
Station : GP-21 GP-21

012N51 8.5 - 12.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	UJ	C05
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	6.1	UG/L		UJ	C05,F04,F07
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	2	UG/L	U	U	

012N61 8.5 - 12.0 FT Field Sample Type: Field Duplicate Matrix: Groundwater Collected: 11/06/97

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Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane		2 UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane		2 UG/L	U	U	
REG	1,1,2-Trichloroethane		2 UG/L	U	U	
REG	1,1-Dichloroethane		2 UG/L	U	UJ	C05
REG	1,1-Dichloroethene		2 UG/L	U	U	
REG	1,2-Dichloroethane		2 UG/L	U	U	
REG	1,2-Dichloroethene		2 UG/L	U	U	
REG	1,2-Dichloropropane		2 UG/L	U	U	
REG	1,3-cis-Dichloropropene		2 UG/L	U	U	
REG	1,3-trans-Dichloropropene		2 UG/L	U	U	
REG	2-Butanone		5 UG/L	U	U	
REG	2-Hexanone		5 UG/L	U	U	
REG	4-Methyl-2-pentanone		5 UG/L	U	U	
REG	Acetone		5 UG/L	U	U	
REG	Benzene		2 UG/L	U	U	
REG	Bromodichloromethane		2 UG/L	U	U	
REG	Bromoform		2 UG/L	U	U	
REG	Bromomethane		2 UG/L	U	U	
REG	Carbon Disulfide		5 UG/L	U	UJ	C05
REG	Carbon Tetrachloride		2 UG/L	U	U	
REG	Chlorobenzene		2 UG/L	U	U	
REG	Chloroethane		2 UG/L	U	U	
REG	Chloroform		2 UG/L	U	U	
REG	Chloromethane		2 UG/L	U	U	
REG	Dibromochloromethane		2 UG/L	U	U	
REG	Ethylbenzene		2 UG/L	U	U	
REG	Methylene Chloride		5 UG/L	U	U	
REG	Styrene		2 UG/L	U	U	
REG	Tetrachloroethene		2 UG/L	U	U	
REG	Toluene		2 UG/L	U	U	
REG	Trichloroethene		2 UG/L	U	U	
REG	Vinyl Chloride		2 UG/L	U	U	
REG	Xylenes, Total		2 UG/L	U	U	

Location: SWMU-1

Station : GP-22

GP-22

012P51

3.0 - 8.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane		2 UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane		2 UG/L	U	U	
REG	1,1,2-Trichloroethane		2 UG/L	U	U	
REG	1,1-Dichloroethane		2 UG/L	U	U	
REG	1,1-Dichloroethene		2 UG/L	U	U	
REG	1,2-Dichloroethane		2 UG/L	U	U	
REG	1,2-Dichloropropane		2 UG/L	U	U	
REG	1,2-cis-Dichloroethene		2 UG/L	U	U	
REG	1,2-trans-Dichloroethene		2 UG/L	U	U	
REG	1,3-cis-Dichloropropene		2 UG/L	U	U	
REG	1,3-trans-Dichloropropene		2 UG/L	U	U	
REG	2-Butanone		5 UG/L	U	U	
REG	2-Hexanone		5 UG/L	U	U	
REG	4-Methyl-2-pentanone		5 UG/L	U	U	
REG	Acetone		5 UG/L	U	R	C01
REG	Benzene		2 UG/L	U	U	
REG	Bromodichloromethane		2 UG/L	U	U	
REG	Bromoform		2 UG/L	U	U	
REG	Bromomethane		2 UG/L	U	U	
REG	Carbon Disulfide		2 UG/L	U	UJ	C05
REG	Carbon Tetrachloride		2 UG/L	U	U	
REG	Chlorobenzene		2 UG/L	U	U	
REG	Chloroethane		2 UG/L	U	U	
REG	Chloroform		2 UG/L	U	U	
REG	Chloromethane		2 UG/L	U	U	
REG	Dibromochloromethane		2 UG/L	U	U	
REG	Ethylbenzene		2 UG/L	U	U	
REG	Methylene Chloride		2 UG/L	U	U	
REG	Styrene		2 UG/L	U	U	
REG	Tetrachloroethene		2 UG/L	U	U	
REG	Toluene	0.36	UG/L	J	J	
REG	Trichloroethene		2 UG/L	U	U	
REG	Vinyl Chloride		2 UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : GP-22

GP-22

012P51 3.0 - 8.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Xylenes, Total		2 UG/L	U	U	

012P71 3.0 - 8.0 FT Field Sample Type: Split Sample Matrix: Groundwater Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,2-cis-Dichloroethene	2	UG/L	U	U	
REG	1,2-trans-Dichloroethene	2	UG/L	U	U	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C01
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	2	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	0.41	UG/L	J	J	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	2	UG/L	U	U	

Location: SWMU-1
Station : GP-23

GP-23

012S51 1.0 - 6.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,2-cis-Dichloroethene	2	UG/L	U	U	
REG	1,2-trans-Dichloroethene	2	UG/L	U	U	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C01
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	2	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	2	UG/L	U	U	

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Location: SWMU-1
Station: GP-23

GP-23

012S51

1.0 - 6.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	1.2	UG/L	J	J	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	2	UG/L	U	U	

012S81

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,2-cis-Dichloroethene	2	UG/L	U	U	
REG	1,2-trans-Dichloroethene	2	UG/L	U	U	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C01
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	2	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	2	UG/L	U	U	

Location: SWMU-1
Station: GP-3

GP-3

011351

4.0 - 8.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	2.3	UG/KG	U	U	
REG	1,1,2-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1-Dichloroethane	2.3	UG/KG	U	U	
REG	1,1-Dichloroethene	2.3	UG/KG	U	U	
REG	1,2-Dichloroethane	2.3	UG/KG	U	U	
REG	1,2-Dichloroethene	2.3	UG/KG	U	U	
REG	1,2-Dichloropropane	2.3	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	2.3	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station: GP-3

GP-3

011351

4.0 - 8.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3-trans-Dichloropropene	2.3	UG/KG	U	U	
REG	2-Butanone	5.7	UG/KG	U	U	
REG	2-Hexanone	5.7	UG/KG	U	U	
REG	4-Methyl-2-pentanone	5.7	UG/KG	U	U	
REG	Acetone	5.7	UG/KG	U	U	
REG	Benzene	2.3	UG/KG	U	U	
REG	Bromodichloromethane	2.3	UG/KG	U	U	
REG	Bromoform	2.3	UG/KG	U	U	
REG	Bromomethane	2.3	UG/KG	U	U	
REG	Carbon Disulfide	5.7	UG/KG	U	U	
REG	Carbon Tetrachloride	2.3	UG/KG	U	U	
REG	Chlorobenzene	2.3	UG/KG	U	U	
REG	Chloroethane	2.3	UG/KG	U	U	
REG	Chloroform	2.3	UG/KG	U	U	
REG	Chloromethane	2.3	UG/KG	U	U	
REG	Dibromochloromethane	2.3	UG/KG	U	U	
REG	Ethylbenzene	2.3	UG/KG	U	U	
REG	Methylene Chloride	2.3	UG/KG	U	U	
REG	Styrene	2.3	UG/KG	U	U	
REG	Tetrachloroethene	2.3	UG/KG	U	U	
REG	Toluene	2.3	UG/KG	U	U	
REG	Trichloroethene	2.3	UG/KG	U	U	
REG	Vinyl Chloride	2.3	UG/KG	U	U	
REG	Xylenes, Total	2.3	UG/KG	U	U	

012351

8.0 - 13.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
DIL	1,1,1-Trichloroethane	50	UG/L	U	U	
DIL	1,1,2,2-Tetrachloroethane	50	UG/L	U	U	
DIL	1,1,2-Trichloroethane	50	UG/L	U	U	
DIL	1,1-Dichloroethane	50	UG/L	U	U	
DIL	1,1-Dichloroethene	50	UG/L	U	U	
DIL	1,2-Dichloroethane	50	UG/L	U	U	
DIL	1,2-Dichloropropane	50	UG/L	U	U	
DIL	1,2-cis-Dichloroethene	50	UG/L	U	U	
DIL	1,2-trans-Dichloroethene	50	UG/L	U	U	
DIL	1,3-cis-Dichloropropene	50	UG/L	U	U	
DIL	1,3-trans-Dichloropropene	50	UG/L	U	U	
DIL	2-Butanone	100	UG/L	U	UJ	C05
DIL	2-Hexanone	100	UG/L	U	U	
DIL	4-Methyl-2-pentanone	100	UG/L	U	UJ	C05
DIL	Acetone	584	UG/L	D	J	C01
DIL	Benzene	50	UG/L	U	U	
DIL	Bromodichloromethane	50	UG/L	U	U	
DIL	Bromoform	50	UG/L	U	U	
DIL	Bromomethane	100	UG/L	U	U	
DIL	Carbon Disulfide	50	UG/L	U	U	
DIL	Carbon Tetrachloride	50	UG/L	U	U	
DIL	Chlorobenzene	50	UG/L	U	U	
DIL	Chloroethane	100	UG/L	U	U	
DIL	Chloroform	50	UG/L	U	U	
DIL	Chloromethane	100	UG/L	U	U	
DIL	Dibromochloromethane	50	UG/L	U	U	
DIL	Ethylbenzene	50	UG/L	U	U	
DIL	Methylene Chloride	50	UG/L	U	U	
DIL	Styrene	50	UG/L	U	U	
DIL	Tetrachloroethene	50	UG/L	U	U	
DIL	Toluene	50	UG/L	U	U	
DIL	Trichloroethene	50	UG/L	U	U	
DIL	Vinyl Chloride	100	UG/L	U	U	
DIL	Xylenes, Total	50	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	

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Location: SWMU-1
Station: GP-3

GP-3

012351

8.0 - 13.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	584	UG/L	D	J	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	0.51	UG/L	J	J	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	1.9	UG/L	J	J	

012361

8.0 - 13.0 FT

Field Sample Type: Field Duplicate

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,1,1-Trichloroethane	50	UG/L	U	U	
DIL	1,1,2,2-Tetrachloroethane	50	UG/L	U	U	
DIL	1,1,2-Trichloroethane	50	UG/L	U	U	
DIL	1,1-Dichloroethane	50	UG/L	U	U	
DIL	1,1-Dichloroethene	50	UG/L	U	U	
DIL	1,2-Dichloroethane	50	UG/L	U	U	
DIL	1,2-Dichloropropane	50	UG/L	U	U	
DIL	1,2-cis-Dichloroethene	50	UG/L	U	U	
DIL	1,2-trans-Dichloroethene	50	UG/L	U	U	
DIL	1,3-cis-Dichloropropene	50	UG/L	U	U	
DIL	1,3-trans-Dichloropropene	50	UG/L	U	U	
DIL	2-Butanone	100	UG/L	U	UJ	C05
DIL	2-Hexanone	100	UG/L	U	U	
DIL	4-Methyl-2-pentanone	100	UG/L	U	UJ	C05
DIL	Acetone	702	UG/L	D	J	C01
DIL	Benzene	50	UG/L	U	U	
DIL	Bromodichloromethane	50	UG/L	U	U	
DIL	Bromoform	50	UG/L	U	U	
DIL	Bromomethane	100	UG/L	U	U	
DIL	Carbon Disulfide	50	UG/L	U	U	
DIL	Carbon Tetrachloride	50	UG/L	U	U	
DIL	Chlorobenzene	50	UG/L	U	U	
DIL	Chloroethane	100	UG/L	U	U	
DIL	Chloroform	50	UG/L	U	U	
DIL	Chloromethane	100	UG/L	U	U	
DIL	Dibromochloromethane	50	UG/L	U	U	
DIL	Ethylbenzene	50	UG/L	U	U	
DIL	Methylene Chloride	50	UG/L	U	U	
DIL	Styrene	50	UG/L	U	U	
DIL	Tetrachloroethene	50	UG/L	U	U	
DIL	Toluene	50	UG/L	U	U	
DIL	Trichloroethene	50	UG/L	U	U	
DIL	Vinyl Chloride	100	UG/L	U	U	

Ft. Stewart -

Location: SWMU-1
Station : GP-3

GP-3

012361 8.0 - 13.0 FT Field Sample Type: Field Duplicate Matrix: Groundwater Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	Xylenes, Total	50	UG/L	U	U	
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	UJ	C05
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	702	UG/L	D	J	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	0.8	UG/L	J	J	
REG	Chloromethane	10	UG/L	U	U	C08
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	1.4	UG/L	J	J	

Location: SWMU-1
Station : GP-4

GP-4

012451 1.0 - 6.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	

337

Location: SWMU-1
Station : GP-4

GP-4

012451

1.0 - 6.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	2.1	UG/L	J	J	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	17	UG/L		=	

Location: SWMU-1
Station : GP-5

GP-5

011551

4.0 - 6.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2.4	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	2.4	UG/KG	U	U	
REG	1,1,2-Trichloroethane	2.4	UG/KG	U	U	
REG	1,1-Dichloroethane	2.4	UG/KG	U	U	
REG	1,1-Dichloroethene	2.4	UG/KG	U	U	
REG	1,2-Dichloroethane	2.4	UG/KG	U	U	
REG	1,2-Dichloroethene	2.4	UG/KG	U	U	
REG	1,2-Dichloropropane	2.4	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	2.4	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	2.4	UG/KG	U	U	
REG	2-Butanone	5.9	UG/KG	U	U	
REG	2-Hexanone	5.9	UG/KG	U	U	
REG	4-Methyl-2-pentanone	5.9	UG/KG	U	U	
REG	Acetone	9.9	UG/KG		=	
REG	Benzene	2.4	UG/KG	U	U	
REG	Bromodichloromethane	2.4	UG/KG	U	U	
REG	Bromoform	2.4	UG/KG	U	U	
REG	Bromomethane	2.4	UG/KG	U	U	
REG	Carbon Disulfide	5.9	UG/KG	U	U	
REG	Carbon Tetrachloride	2.4	UG/KG	U	U	
REG	Chlorobenzene	2.4	UG/KG	U	U	
REG	Chloroethane	2.4	UG/KG	U	U	
REG	Chloroform	2.4	UG/KG	U	U	
REG	Chloromethane	2.4	UG/KG	U	U	
REG	Dibromochloromethane	2.4	UG/KG	U	U	
REG	Ethylbenzene	2.4	UG/KG	U	U	
REG	Methylene Chloride	2.4	UG/KG	U	U	
REG	Styrene	2.4	UG/KG	U	U	
REG	Tetrachloroethene	2.4	UG/KG	U	U	
REG	Toluene	2.4	UG/KG	U	U	
REG	Trichloroethene	2.4	UG/KG	U	U	
REG	Vinyl Chloride	2.4	UG/KG	U	U	
REG	Xylenes, Total	2.4	UG/KG	U	U	

012551

7.0 - 12.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : GP-5 GP-5

012551 7.0 -12.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Butanone	10	UG/L	U	U	C01
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	2.5	UG/L	J	J	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	24.2	UG/L		=	

012581 Field Sample Type: Equipment Rinse Matrix: Quality Control Collected: 11/08/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	C01
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	F08
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	1.1	UG/L	J	J	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

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Location: SWMU-1

Station: GP-6

GP-6

011651

4.0 - 8.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	2.3	UG/KG	U	U	
REG	1,1,2-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1-Dichloroethane	2.3	UG/KG	U	U	
REG	1,1-Dichloroethene	2.3	UG/KG	U	U	
REG	1,2-Dichloroethane	2.3	UG/KG	U	U	
REG	1,2-Dichloroethene	2.3	UG/KG	U	U	
REG	1,2-Dichloropropane	2.3	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	2.3	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	2.3	UG/KG	U	U	
REG	2-Butanone	5.7	UG/KG	U	U	
REG	2-Hexanone	5.7	UG/KG	U	U	
REG	4-Methyl-2-pentanone	5.7	UG/KG	U	U	
REG	Acetone	6.1	UG/KG		=	
REG	Benzene	2.3	UG/KG	U	U	
REG	Bromodichloromethane	2.3	UG/KG	U	U	
REG	Bromoform	2.3	UG/KG	U	U	
REG	Bromomethane	2.3	UG/KG	U	U	
REG	Carbon Disulfide	5.7	UG/KG	U	U	
REG	Carbon Tetrachloride	2.3	UG/KG	U	U	
REG	Chlorobenzene	2.3	UG/KG	U	U	
REG	Chloroethane	2.3	UG/KG	U	U	
REG	Chloroform	2.3	UG/KG	U	U	
REG	Chloromethane	2.3	UG/KG	U	U	
REG	Dibromochloromethane	2.3	UG/KG	U	U	
REG	Ethylbenzene	2.3	UG/KG	U	U	
REG	Methylene Chloride	2.3	UG/KG	U	U	
REG	Styrene	2.3	UG/KG	U	U	
REG	Tetrachloroethene	2.3	UG/KG	U	U	
REG	Toluene	2.3	UG/KG	U	U	
REG	Trichloroethene	2.3	UG/KG	U	U	
REG	Vinyl Chloride	2.3	UG/KG	U	U	
REG	Xylenes, Total	2.3	UG/KG	U	U	

012651

8.0 - 13.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	C01
REG	Benzene	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	6.9	UG/L		=	
REG	Methylene Chloride	5	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : GP-6 GP-6

012651 8.0 -13.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/07/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	10	UG/L	U	U	
REG	Xylenes, Total	66.6	UG/L		=	

Location: SWMU-1
Station : GP-7 GP-7

011751 0.0 - 2.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/05/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	2.3	UG/KG	U	R	K02
REG	1,1,2-Trichloroethane	2.3	UG/KG	U	U	
REG	1,1-Dichloroethane	2.3	UG/KG	U	UJ	K01
REG	1,1-Dichloroethene	2.3	UG/KG	U	UJ	K01
REG	1,2-Dichloroethane	2.3	UG/KG	U	UJ	K01
REG	1,2-Dichloroethene	2.3	UG/KG	U	UJ	K01
REG	1,2-Dichloropropane	2.3	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	2.3	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	2.3	UG/KG	U	U	
REG	2-Butanone	5.7	UG/KG	U	UJ	K01
REG	2-Hexanone	5.7	UG/KG	U	R	K02
REG	4-Methyl-2-pentanone	5.7	UG/KG	U	R	K02
REG	Acetone	5.7	UG/KG	U	UJ	K01
REG	Benzene	2.3	UG/KG	U	U	
REG	Bromodichloromethane	2.3	UG/KG	U	U	
REG	Bromoform	2.3	UG/KG	U	U	
REG	Bromomethane	2.3	UG/KG	U	UJ	K01
REG	Carbon Disulfide	5.7	UG/KG	U	UJ	K01
REG	Carbon Tetrachloride	2.3	UG/KG	U	U	
REG	Chlorobenzene	2.3	UG/KG	U	R	K02
REG	Chloroethane	2.3	UG/KG	U	UJ	K01
REG	Chloroform	2.3	UG/KG	U	UJ	K01
REG	Chloromethane	2.3	UG/KG	U	UJ	K01
REG	Dibromochloromethane	2.3	UG/KG	U	U	
REG	Ethylbenzene	2.3	UG/KG	U	R	K02
REG	Methylene Chloride	2.3	UG/KG	U	UJ	K01
REG	Styrene	2.3	UG/KG	U	R	K02
REG	Tetrachloroethene	2.3	UG/KG	U	R	K02
REG	Toluene	2.3	UG/KG	U	R	K02
REG	Trichloroethene	2.3	UG/KG	U	U	
REG	Vinyl Chloride	2.3	UG/KG	U	UJ	K01
REG	Xylenes, Total	2.3	UG/KG	U	R	K02

012751 7.0 -12.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/05/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,2-cis-Dichloroethene	21	UG/L		=	
REG	1,2-trans-Dichloroethene	1.6	UG/L	J	J	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C01
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	2	UG/L	U	UJ	C05

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Location: SWMU-1
Station : GP-7

012751 7.0 - 12.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/05/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	1.9	UG/L	J	J	
REG	Trichloroethene	5.4	UG/L		=	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	2	UG/L	U	U	

Location: SWMU-1
Station : GP-8

011851 4.0 - 6.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2.2	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	2.2	UG/KG	U	UJ	K01
REG	1,1,2-Trichloroethane	2.2	UG/KG	U	U	
REG	1,1-Dichloroethane	2.2	UG/KG	U	U	
REG	1,1-Dichloroethene	2.2	UG/KG	U	U	
REG	1,2-Dichloroethane	2.2	UG/KG	U	U	
REG	1,2-Dichloroethene	2.2	UG/KG	U	U	
REG	1,2-Dichloropropane	2.2	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	2.2	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	2.2	UG/KG	U	U	
REG	2-Butanone	5.4	UG/KG	U	U	
REG	2-Hexanone	5.4	UG/KG	U	UJ	K01
REG	4-Methyl-2-pentanone	5.4	UG/KG	U	UJ	K01
REG	Acetone	37.4	UG/KG		=	
REG	Benzene	2.2	UG/KG	U	U	
REG	Bromodichloromethane	2.2	UG/KG	U	U	
REG	Bromoform	2.2	UG/KG	U	U	
REG	Bromomethane	2.2	UG/KG	U	U	
REG	Carbon Disulfide	5.4	UG/KG	U	U	
REG	Carbon Tetrachloride	2.2	UG/KG	U	U	
REG	Chlorobenzene	2.2	UG/KG	U	UJ	K01
REG	Chloroethane	2.2	UG/KG	U	U	
REG	Chloroform	2.2	UG/KG	U	U	
REG	Chloromethane	2.2	UG/KG	U	U	
REG	Dibromochloromethane	2.2	UG/KG	U	U	
REG	Ethylbenzene	2.2	UG/KG	U	UJ	K01
REG	Methylene Chloride	2.2	UG/KG	U	U	
REG	Styrene	2.2	UG/KG	U	UJ	K01
REG	Tetrachloroethene	2.2	UG/KG	U	UJ	K01
REG	Toluene	2.2	UG/KG	U	UJ	K01
REG	Trichloroethene	2.2	UG/KG	U	U	
REG	Vinyl Chloride	2.2	UG/KG	U	U	
REG	Xylenes, Total	2.2	UG/KG	U	UJ	K01

012851 7.0 - 12.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/06/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,2-cis-Dichloroethene	2	UG/L	U	U	
REG	1,2-trans-Dichloroethene	2	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : GP-8

GP-8

012851 7.0 - 12.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/06/97

Sample Type	Volatilic Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C01
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	2	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	2	UG/L	U	U	

Location: SWMU-1
Station : GP-9

GP-9

011951 2.0 - 4.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/05/97

Sample Type	Volatilic Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2.5	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	2.5	UG/KG	U	UJ	K01
REG	1,1,2-Trichloroethane	2.5	UG/KG	U	U	
REG	1,1-Dichloroethane	2.5	UG/KG	U	U	
REG	1,1-Dichloroethene	2.5	UG/KG	U	U	
REG	1,2-Dichloroethane	2.5	UG/KG	U	U	
REG	1,2-Dichloroethene	2.5	UG/KG	U	U	
REG	1,2-Dichloropropane	2.5	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	2.5	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	2.5	UG/KG	U	U	
REG	2-Butanone	6.2	UG/KG	U	U	
REG	2-Hexanone	6.2	UG/KG	U	UJ	K01
REG	4-Methyl-2-pentanone	6.2	UG/KG	U	UJ	K01
REG	Acetone	6.2	UG/KG	U	U	
REG	Benzene	2.5	UG/KG	U	U	
REG	Bromodichloromethane	2.5	UG/KG	U	U	
REG	Bromoform	2.5	UG/KG	U	U	
REG	Bromomethane	2.5	UG/KG	U	U	
REG	Carbon Disulfide	6.2	UG/KG	U	U	
REG	Carbon Tetrachloride	2.5	UG/KG	U	U	
REG	Chlorobenzene	2.5	UG/KG	U	UJ	K01
REG	Chloroethane	2.5	UG/KG	U	U	
REG	Chloroform	2.5	UG/KG	U	U	
REG	Chloromethane	2.5	UG/KG	U	U	
REG	Dibromochloromethane	2.5	UG/KG	U	U	
REG	Ethylbenzene	2.5	UG/KG	U	UJ	K01
REG	Methylene Chloride	2.5	UG/KG	U	U	
REG	Styrene	2.5	UG/KG	U	UJ	K01
REG	Tetrachloroethene	2.5	UG/KG	U	UJ	K01
REG	Toluene	2.5	UG/KG	U	UJ	K01
REG	Trichloroethene	2.5	UG/KG	U	U	
REG	Vinyl Chloride	2.5	UG/KG	U	U	
REG	Xylenes, Total	2.5	UG/KG	U	UJ	K01

012951 3.0 - 8.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/05/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,2-cis-Dichloroethene	2	UG/L	U	U	
REG	1,2-trans-Dichloroethene	2	UG/L	U	U	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	5	UG/L	U	U	
REG	2-Hexanone	5	UG/L	U	U	
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	5	UG/L	U	R	C01
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	2	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	6.5	UG/L		=	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	0.95	UG/L	J	J	

TBA001

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/05/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	2	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	2	UG/L	U	U	
REG	1,1,2-Trichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethane	2	UG/L	U	U	
REG	1,1-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloroethane	2	UG/L	U	U	
REG	1,2-Dichloropropane	2	UG/L	U	U	
REG	1,2-cis-Dichloroethene	2	UG/L	U	U	
REG	1,2-trans-Dichloroethene	2	UG/L	U	U	
REG	1,3-cis-Dichloropropene	2	UG/L	U	U	
REG	1,3-trans-Dichloropropene	2	UG/L	U	U	
REG	2-Butanone	41.7	UG/L		=	
REG	2-Hexanone	14.4	UG/L		J	C05
REG	4-Methyl-2-pentanone	5	UG/L	U	U	
REG	Acetone	139	UG/L	E	J	N03,C01
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	2	UG/L	U	U	
REG	Bromoform	2	UG/L	U	U	
REG	Bromomethane	2	UG/L	U	U	
REG	Carbon Disulfide	2	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	2	UG/L	U	U	
REG	Chlorobenzene	2	UG/L	U	U	
REG	Chloroethane	2	UG/L	U	U	
REG	Chloroform	2	UG/L	U	U	
REG	Chloromethane	2	UG/L	U	U	
REG	Dibromochloromethane	2	UG/L	U	U	
REG	Ethylbenzene	2	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	2	UG/L	U	U	
REG	Tetrachloroethene	2	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	2	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	2	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : NMW-1 NMW-1

012C11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	0.174	MG/L	J	J	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	23.3	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	2.4	UG/L	B	U	F01,F06
REG	Iron	956	UG/L		=	
REG	Lead	1.1	UG/L	*	J	J01,J02
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	2.7	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.04	UG/L	P	J	M08
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	1,2,4-Trichlorobenzene	10	UG/L	U	UJ	A01
REA	1,2-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,3-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,4-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	2,2'-oxybis (1-chloropropane)	10	UG/L	U	UJ	A01
REA	2,4,5-Trichlorophenol	25	UG/L	U	UJ	A01
REA	2,4,6-Trichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dimethylphenol	10	UG/L	U	UJ	A01
REA	2,4-Dinitrophenol	25	UG/L	U	UJ	A01
REA	2,4-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2,6-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2-Chloronaphthalene	0.2	UG/L	U	UJ	A01
REA	2-Chlorophenol	10	UG/L	U	UJ	A01
REA	2-Methylnaphthalene	10	UG/L	U	UJ	A01
REA	2-Methylphenol	10	UG/L	U	UJ	A01
REA	2-Nitroaniline	25	UG/L	U	UJ	A01
REA	2-Nitrophenol	10	UG/L	U	UJ	A01
REA	3,3'-Dichlorobenzidine	20	UG/L	U	UJ	A01
REA	3-Nitroaniline	25	UG/L	U	UJ	A01
REA	4,6-Dinitro-o-Cresol	25	UG/L	U	UJ	A01
REA	4-Bromophenyl-phenyl Ether	10	UG/L	U	UJ	A01

345

Location: SWMU-1

Station: NMW-1

NMW-1

012C11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	4-Chloroaniline	10	UG/L	U	UJ	A01
REA	4-Chlorophenyl-phenylether	10	UG/L	U	UJ	A01
REA	4-Methylphenol	10	UG/L	U	UJ	A01
REA	4-Nitroaniline	25	UG/L	U	UJ	A01
REA	4-Nitrophenol	25	UG/L	U	UJ	A01
REA	4-chloro-3-methylphenol	10	UG/L	U	UJ	A01
REA	Acenaphthene	0.2	UG/L	U	UJ	A01
REA	Acenaphthylene	0.2	UG/L	U	UJ	A01
REA	Anthracene	0.2	UG/L	U	UJ	A01
REA	Benzo(a)anthracene	0.2	UG/L	U	UJ	A01
REA	Benzo(a)pyrene	0.2	UG/L	U	UJ	A01
REA	Benzo(b)fluoranthene	0.2	UG/L	U	UJ	A01
REA	Benzo(g,h,i)perylene	0.2	UG/L	U	UJ	A01
REA	Benzo(k)fluoranthene	0.2	UG/L	U	UJ	A01
REA	Bis(2-chloroethoxy)methane	10	UG/L	U	UJ	A01
REA	Bis(2-chloroethyl)ether	10	UG/L	U	UJ	A01
REA	Bis(2-ethylhexyl)phthalate	2.2	UG/L	J	J	A01
REA	Butyl Benzyl Phthalate	10	UG/L	U	UJ	A01
REA	Carbazole	10	UG/L	U	UJ	A01,C05
REA	Chrysene	0.2	UG/L	U	UJ	A01
REA	Di-n-butyl Phthalate	10	UG/L	U	UJ	A01
REA	Di-n-octyl Phthalate	10	UG/L	U	UJ	A01
REA	Dibenzo(a,h)anthracene	0.2	UG/L	U	UJ	A01
REA	Dibenzofuran	10	UG/L	U	UJ	A01
REA	Diethyl Phthalate	10	UG/L	U	UJ	A01
REA	Dimethyl Phthalate	10	UG/L	U	UJ	A01
REA	Fluoranthene	0.2	UG/L	U	UJ	A01
REA	Fluorene	0.2	UG/L	U	UJ	A01
REA	Hexachlorobenzene	10	UG/L	U	UJ	A01
REA	Hexachlorobutadiene	10	UG/L	U	UJ	A01
REA	Hexachlorocyclopentadiene	10	UG/L	U	UJ	A01
REA	Hexachloroethane	10	UG/L	U	UJ	A01
REA	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	UJ	A01
REA	Isophorone	10	UG/L	U	UJ	A01
REA	N-Nitroso-di-n-propylamine	10	UG/L	U	UJ	A01
REA	N-Nitrosodiphenylamine	10	UG/L	U	UJ	A01
REA	Naphthalene	0.2	UG/L	U	UJ	A01
REA	Nitrobenzene	10	UG/L	U	UJ	A01
REA	Pentachlorophenol	25	UG/L	U	UJ	A01
REA	Phenanthrene	0.2	UG/L	U	UJ	A01
REA	Phenol	10	UG/L	U	UJ	A01
REA	Pyrene	10	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : NMW-1

NMW-1

012C11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	0.53	UG/L	J	J	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	97.5	UG/L	J	J	C05,F08
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	UJ	C05
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	

Location: SWMU-1
Station: NMW-1 NMW-1

012C11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	J	U	F04,F06	
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Acetate	10	UG/L	U	UJ	C05	
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.459	PCI/L	U	U		0.52
REG	Radium-228	3.85	PCI/L		=		0.51

Location: SWMU-1
Station: NMW-2A NMW-2A

012D11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/15/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Sulfate	0.133	MG/L	J	J		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	1.3	UG/L	B	J		
REG	Barium	68.5	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	2.7	UG/L	B	U	F06	
REG	Iron	1250	UG/L		=		
REG	Lead	0.16	UG/L	B	U	F06	
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	2.8	UG/L	B	U	F01,F06	
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	U		
REG	4,4'-DDE	0.04	UG/L	U	U		
REG	4,4'-DDT	0.04	UG/L	U	U		
REG	Aldrin	0.02	UG/L	U	U		
REG	Alpha Chlordane	0.02	UG/L	U	U		
REG	Alpha-BHC	0.02	UG/L	U	U		
REG	Aroclor-1016	0.1	UG/L	U	U		
REG	Aroclor-1221	0.1	UG/L	U	U		
REG	Aroclor-1232	0.1	UG/L	U	U		
REG	Aroclor-1242	0.1	UG/L	U	U		
REG	Aroclor-1248	0.1	UG/L	U	U		
REG	Aroclor-1254	0.1	UG/L	U	U		
REG	Aroclor-1260	0.1	UG/L	U	U		
REG	Beta-BHC	0.02	UG/L	U	U		
REG	Delta-BHC	0.02	UG/L	U	U		
REG	Dieldrin	0.04	UG/L	U	U		
REG	Endosulfan I	0.02	UG/L	U	U		
REG	Endosulfan II	0.04	UG/L	U	U		
REG	Endosulfan Sulfate	0.04	UG/L	U	U		
REG	Endrin	0.04	UG/L	U	U		
REG	Endrin Ketone	0.04	UG/L	U	U		
REG	Gamma Chlordane	0.02	UG/L	U	U		
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U		
REG	Heptachlor	0.02	UG/L	U	U		
REG	Heptachlor Epoxide	0.02	UG/L	U	U		
REG	Methoxychlor	0.2	UG/L	U	U		
REG	Toxaphene	1	UG/L	U	UJ	C08	

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Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	9.8	UG/L	U	U	
REG	1,2-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,3-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,4-Dichlorobenzene	9.8	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	9.8	UG/L	U	U	
REG	2,4,5-Trichlorophenol	24.5	UG/L	U	U	
REG	2,4,6-Trichlorophenol	9.8	UG/L	U	U	
REG	2,4-Dichlorophenol	9.8	UG/L	U	U	
REG	2,4-Dimethylphenol	9.8	UG/L	U	U	
REG	2,4-Dinitrophenol	24.5	UG/L	U	U	
REG	2,4-Dinitrotoluene	9.8	UG/L	U	U	
REG	2,6-Dinitrotoluene	9.8	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	9.8	UG/L	U	U	
REG	2-Methylnaphthalene	9.8	UG/L	U	U	
REG	2-Methylphenol	9.8	UG/L	U	U	
REG	2-Nitroaniline	24.5	UG/L	U	U	
REG	2-Nitrophenol	9.8	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	19.6	UG/L	U	U	
REG	3-Nitroaniline	24.5	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	24.5	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	9.8	UG/L	U	U	
REG	4-Chloroaniline	9.8	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	9.8	UG/L	U	U	
REG	4-Methylphenol	9.8	UG/L	U	U	
REG	4-Nitroaniline	24.5	UG/L	U	UJ	C05
REG	4-Nitrophenol	24.5	UG/L	U	UJ	C05
REG	4-chloro-3-methylphenol	9.8	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	9.8	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	7.8	UG/L	J	J	
REG	Butyl Benzyl Phthalate	9.8	UG/L	U	U	
REG	Carbazole	9.8	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	9.8	UG/L	U	U	
REG	Di-n-octyl Phthalate	9.8	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	9.8	UG/L	U	U	
REG	Diethyl Phthalate	9.8	UG/L	U	U	
REG	Dimethyl Phthalate	9.8	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	9.8	UG/L	U	U	
REG	Hexachlorobutadiene	9.8	UG/L	U	U	
REG	Hexachlorocyclopentadiene	9.8	UG/L	U	U	
REG	Hexachloroethane	9.8	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	9.8	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U	
REG	N-Nitrosodiphenylamine	9.8	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	9.8	UG/L	U	U	
REG	Pentachlorophenol	24.5	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	9.8	UG/L	U	U	
REG	Pyrene	9.8	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	

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Location: SWMU-1
Station : NMW-2A NMW-2A

012D11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	10	UG/L	U	U		
REG	2-Hexanone	10	UG/L	U	U		
REG	4-Methyl-2-pentanone	10	UG/L	U	U		
REG	Acetone	10	UG/L	U	U		
REG	Benzene	2	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	10	UG/L	U	UJ	C05	
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	10	UG/L	U	UJ	C05	
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	10	UG/L	U	UJ	C05	
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.501	PCI/L	J	J		0.371
REG	Radium-228	2.21	PCI/L		=		0.446

Location: SWMU-1
Station : NMW-3 NMW-3

012E11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/15/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Sulfate	0.279	MG/L		=		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.76	UG/L	B	J		
REG	Barium	101	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	2.6	UG/L	B	U	F06	
REG	Iron	1070	UG/L		=		
REG	Lead	3.1	UG/L		=		
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	3.3	UG/L	B	U	F01,F06	
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	U		
REG	4,4'-DDE	0.04	UG/L	U	U		
REG	4,4'-DDT	0.04	UG/L	U	U		
REG	Aldrin	0.02	UG/L	U	U		
REG	Alpha Chlordane	0.02	UG/L	U	U		
REG	Alpha-BHC	0.02	UG/L	U	U		
REG	Aroclor-1016	0.1	UG/L	U	U		
REG	Aroclor-1221	0.1	UG/L	U	U		
REG	Aroclor-1232	0.1	UG/L	U	U		
REG	Aroclor-1242	0.1	UG/L	U	U		
REG	Aroclor-1248	0.1	UG/L	U	U		

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : NMW-3

NMW-3

012E11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/15/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.025	UG/L	J	J	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	UJ	C08

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	9.8	UG/L	U	U	
REG	1,2-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,3-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,4-Dichlorobenzene	9.8	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	9.8	UG/L	U	U	
REG	2,4,5-Trichlorophenol	24.5	UG/L	U	U	
REG	2,4,6-Trichlorophenol	9.8	UG/L	U	U	
REG	2,4-Dichlorophenol	9.8	UG/L	U	U	
REG	2,4-Dimethylphenol	9.8	UG/L	U	U	
REG	2,4-Dinitrophenol	24.5	UG/L	U	U	
REG	2,4-Dinitrotoluene	9.8	UG/L	U	U	
REG	2,6-Dinitrotoluene	9.8	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	9.8	UG/L	U	U	
REG	2-Methylnaphthalene	9.8	UG/L	U	U	
REG	2-Methylphenol	9.8	UG/L	U	U	
REG	2-Nitroaniline	24.5	UG/L	U	U	
REG	2-Nitrophenol	9.8	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	19.6	UG/L	U	U	
REG	3-Nitroaniline	24.5	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	24.5	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	9.8	UG/L	U	U	
REG	4-Chloroaniline	9.8	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	9.8	UG/L	U	U	
REG	4-Methylphenol	9.8	UG/L	U	U	
REG	4-Nitroaniline	24.5	UG/L	U	UJ	C05
REG	4-Nitrophenol	24.5	UG/L	U	UJ	C05
REG	4-chloro-3-methylphenol	9.8	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	9.8	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	4	UG/L	J	J	
REG	Butyl Benzyl Phthalate	9.8	UG/L	U	U	
REG	Carbazole	9.8	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	9.8	UG/L	U	U	
REG	Di-n-octyl Phthalate	9.8	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	9.8	UG/L	U	U	
REG	Diethyl Phthalate	9.8	UG/L	U	U	
REG	Dimethyl Phthalate	9.8	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	

Location: SWMU-1

Station: NMW-3

NMW-3

012E11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Hexachlorobenzene	9.8	UG/L	U	U	
REG	Hexachlorobutadiene	9.8	UG/L	U	U	
REG	Hexachlorocyclopentadiene	9.8	UG/L	U	U	
REG	Hexachloroethane	9.8	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	9.8	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U	
REG	N-Nitrosodiphenylamine	9.8	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	9.8	UG/L	U	U	
REG	Pentachlorophenol	24.5	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	9.8	UG/L	U	U	
REG	Pyrene	9.8	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,1,1-Trichloroethane	10	UG/L	U	UJ	A03
DIL	1,1,2,2-Tetrachloroethane	10	UG/L	U	UJ	A03
DIL	1,1,2-Trichloroethane	10	UG/L	U	UJ	A03
DIL	1,1-Dichloroethane	10	UG/L	U	UJ	A03
DIL	1,1-Dichloroethene	10	UG/L	U	UJ	A03
DIL	1,2-Dichloroethane	10	UG/L	U	UJ	A03
DIL	1,2-Dichloropropane	10	UG/L	U	UJ	A03
DIL	1,2-cis-Dichloroethene	10	UG/L	U	UJ	A03
DIL	1,2-trans-Dichloroethene	10	UG/L	U	UJ	A03
DIL	1,3-cis-Dichloropropene	10	UG/L	U	UJ	A03
DIL	1,3-trans-Dichloropropene	10	UG/L	U	UJ	A03
DIL	2-Butanone	20	UG/L	U	UJ	A03
DIL	2-Hexanone	20	UG/L	U	UJ	A03
DIL	4-Methyl-2-pentanone	20	UG/L	U	UJ	A03
DIL	Acetone	151	UG/L	D	J	C05,A03
DIL	Benzene	4	UG/L	U	UJ	A03
DIL	Bromodichloromethane	10	UG/L	U	UJ	A03
DIL	Bromoform	10	UG/L	U	UJ	A03
DIL	Bromomethane	20	UG/L	U	UJ	A03,C05
DIL	Carbon Disulfide	10	UG/L	U	UJ	A03
DIL	Carbon Tetrachloride	10	UG/L	U	UJ	A03
DIL	Chlorobenzene	10	UG/L	U	UJ	A03
DIL	Chloroethane	20	UG/L	U	UJ	A03,C05
DIL	Chloroform	10	UG/L	U	UJ	A03
DIL	Chloromethane	20	UG/L	U	UJ	A03
DIL	Dibromochloromethane	10	UG/L	U	UJ	A03
DIL	Ethylbenzene	10	UG/L	U	UJ	A03
DIL	Methylene Chloride	4	UG/L	U	UJ	A03
DIL	Styrene	10	UG/L	U	UJ	A03
DIL	Tetrachloroethene	10	UG/L	U	UJ	A03
DIL	Toluene	4	UG/L	U	UJ	A03
DIL	Trichloroethene	10	UG/L	U	UJ	A03
DIL	Vinyl Chloride	4	UG/L	U	UJ	A03
DIL	Xylenes, Total	10	UG/L	U	UJ	A03

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : NMW-3 NMW-3

012E11 Field Sample Type: Grab Matrix: Groundwater Collected: 12/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Acetone	151	UG/L	D	J	C05,A03	
REG	Benzene	2	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	10	UG/L	U	UJ	C05	
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	10	UG/L	U	UJ	C05	
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	10	UG/L	U	UJ	C05	
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	J	U	F04,F06	
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.442	PCI/L	U	U		0.54
REG	Radium-228	2.44	PCI/L		=		0.467

Location: SWMU-1
Station : SC-M10 SC-M10

012T11 Field Sample Type: Grab Matrix: Groundwater Collected: 12/11/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Sulfate	2	MG/L		=		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.6	UG/L	U	U		
REG	Barium	38	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	7.3	UG/L	B	J		
REG	Iron	3780	UG/L		=		
REG	Lead	3.9	UG/L		=		
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	0.4	UG/L	U	R	F10	
REG	Silver	0.07	UG/L	U	U		
Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.6	UG/L	U	U		
REG	Barium	37	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	1.3	UG/L	B	J		
REG	Lead	0.11	UG/L	B	J		
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	0.4	UG/L	U	R	F10	
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	U		
REG	4,4'-DDE	0.04	UG/L	U	U		
REG	4,4'-DDT	0.04	UG/L	U	U		
REG	Aldrin	0.02	UG/L	U	U		
REG	Alpha Chlordane	0.02	UG/L	U	UJ	C08	
REG	Alpha-BHC	0.02	UG/L	U	U		

Location: SWMU-1
Station: SC-M10

SC-M10

012T11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/11/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aroclor-1016	0.099	UG/L	U	U	
REG	Aroclor-1221	0.099	UG/L	U	U	
REG	Aroclor-1232	0.099	UG/L	U	U	
REG	Aroclor-1242	0.099	UG/L	U	U	
REG	Aroclor-1248	0.099	UG/L	U	U	
REG	Aroclor-1254	0.099	UG/L	U	U	
REG	Aroclor-1260	0.099	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	UJ	C08
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	UJ	C08
REG	Endosulfan Sulfate	0.04	UG/L	U	UJ	C08
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Aldehyde	0.04	UG/L	U	UJ	C08
REG	Endrin Ketone	0.04	UG/L	U	UJ	C08
REG	Gamma Chlordane	0.02	UG/L	U	UJ	C08
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	UJ	C08
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	0.99	UG/L	U	U	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	9.8	UG/L	U	U	
REG	1,2-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,3-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,4-Dichlorobenzene	9.8	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	9.8	UG/L	U	U	
REG	2,4,5-Trichlorophenol	24.5	UG/L	U	U	
REG	2,4,6-Trichlorophenol	9.8	UG/L	U	U	
REG	2,4-Dichlorophenol	9.8	UG/L	U	U	
REG	2,4-Dimethylphenol	9.8	UG/L	U	U	
REG	2,4-Dinitrophenol	24.5	UG/L	U	U	
REG	2,4-Dinitrotoluene	9.8	UG/L	U	U	
REG	2,6-Dinitrotoluene	9.8	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	9.8	UG/L	U	U	
REG	2-Methylnaphthalene	9.8	UG/L	U	U	
REG	2-Methylphenol	9.8	UG/L	U	U	
REG	2-Nitroaniline	24.5	UG/L	U	U	
REG	2-Nitrophenol	9.8	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	19.6	UG/L	U	U	
REG	3-Nitroaniline	24.5	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	24.5	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	9.8	UG/L	U	U	
REG	4-Chloroaniline	9.8	UG/L	U	UJ	C05
REG	4-Chlorophenyl-phenylether	9.8	UG/L	U	U	
REG	4-Methylphenol	9.8	UG/L	U	U	
REG	4-Nitroaniline	24.5	UG/L	U	UJ	C05
REG	4-Nitrophenol	24.5	UG/L	U	UJ	C05
REG	4-chloro-3-methylphenol	9.8	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	9.8	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	9.8	UG/L	U	U	
REG	Butyl Benzyl Phthalate	9.8	UG/L	U	U	
REG	Carbazole	9.8	UG/L	U	UJ	C05
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	9.8	UG/L	U	U	
REG	Di-n-octyl Phthalate	9.8	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M10 SC-M10

012T11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/11/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U		
REG	Dibenzofuran	9.8	UG/L	U	U		
REG	Diethyl Phthalate	9.8	UG/L	U	U		
REG	Dimethyl Phthalate	9.8	UG/L	U	U		
REG	Fluoranthene	0.2	UG/L	U	U		
REG	Fluorene	0.2	UG/L	U	U		
REG	Hexachlorobenzene	9.8	UG/L	U	U		
REG	Hexachlorobutadiene	9.8	UG/L	U	U		
REG	Hexachlorocyclopentadiene	9.8	UG/L	U	U		
REG	Hexachloroethane	9.8	UG/L	U	U		
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U		
REG	Isophorone	9.8	UG/L	U	U		
REG	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		
REG	N-Nitrosodiphenylamine	9.8	UG/L	U	U		
REG	Naphthalene	0.2	UG/L	U	U		
REG	Nitrobenzene	9.8	UG/L	U	U		
REG	Pentachlorophenol	24.5	UG/L	U	U		
REG	Phenanthrene	0.2	UG/L	U	U		
REG	Phenol	9.8	UG/L	U	U		
REG	Pyrene	9.8	UG/L	U	U		
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	5	UG/L	U	U		
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U		
REG	1,1,2-Trichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethene	5	UG/L	U	U		
REG	1,2-Dichloroethane	5	UG/L	U	U		
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	10	UG/L	U	U		
REG	2-Hexanone	10	UG/L	U	U		
REG	4-Methyl-2-pentanone	10	UG/L	U	U		
REG	Acetone	10	UG/L	U	R	C01	
REG	Benzene	2	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	10	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	10	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	10	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Acetate	10	UG/L	U	UJ	C05	
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.581	PCI/L	J	J		0.450
REG	Radium-228	1.71	PCI/L		=		0.439

Location: SWMU-1
Station: SC-M11

011111

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.17	MG/KG	B	J	
REG	Barium	7.1	MG/KG	B	J	
REG	Cadmium	0.04	MG/KG	U	U	
REG	Chromium	2	MG/KG	B	J	F10
REG	Lead	2	MG/KG	*	=	
REG	Mercury	0.01	MG/KG	B	J	
REG	Selenium	0.08	MG/KG	U	UJ	P02
REG	Silver	0.01	MG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.4	UG/KG	U	U	
REG	4,4'-DDE	1.4	UG/KG	U	U	
REG	4,4'-DDT	1.4	UG/KG	U	U	
REG	Aldrin	0.7	UG/KG	U	U	
REG	Alpha Chlordane	0.7	UG/KG	U	U	
REG	Alpha-BHC	0.7	UG/KG	U	U	
REG	Aroclor-1016	3.5	UG/KG	U	U	
REG	Aroclor-1221	3.5	UG/KG	U	U	
REG	Aroclor-1232	3.5	UG/KG	U	U	
REG	Aroclor-1242	3.5	UG/KG	U	U	
REG	Aroclor-1248	3.5	UG/KG	U	U	
REG	Aroclor-1254	3.5	UG/KG	U	U	
REG	Aroclor-1260	3.5	UG/KG	U	U	
REG	Beta-BHC	0.7	UG/KG	U	U	
REG	Delta-BHC	0.7	UG/KG	U	U	
REG	Dieldrin	1.4	UG/KG	U	U	
REG	Endosulfan I	0.7	UG/KG	U	U	
REG	Endosulfan II	1.4	UG/KG	U	U	
REG	Endosulfan Sulfate	1.4	UG/KG	U	U	
REG	Endrin	1.4	UG/KG	U	U	
REG	Endrin Ketone	1.4	UG/KG	U	U	
REG	Gamma Chlordane	0.7	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.7	UG/KG	U	U	
REG	Heptachlor	0.7	UG/KG	U	U	
REG	Heptachlor Epoxide	0.7	UG/KG	U	U	
REG	Methoxychlor	7	UG/KG	U	U	
REG	Toxaphene	35.2	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	353	UG/KG	U	U	
REG	1,2-Dichlorobenzene	353	UG/KG	U	U	
REG	1,3-Dichlorobenzene	353	UG/KG	U	U	
REG	1,4-Dichlorobenzene	353	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	353	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	884	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	353	UG/KG	U	U	
REG	2,4-Dichlorophenol	353	UG/KG	U	U	
REG	2,4-Dimethylphenol	353	UG/KG	U	U	
REG	2,4-Dinitrophenol	884	UG/KG	U	U	
REG	2,4-Dinitrotoluene	353	UG/KG	U	U	
REG	2,6-Dinitrotoluene	353	UG/KG	U	U	
REG	2-Chloronaphthalene	353	UG/KG	U	U	
REG	2-Chlorophenol	353	UG/KG	U	U	
REG	2-Methylnaphthalene	353	UG/KG	U	U	
REG	2-Methylphenol	353	UG/KG	U	U	
REG	2-Nitroaniline	884	UG/KG	U	U	
REG	2-Nitrophenol	353	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	707	UG/KG	U	U	
REG	3-Nitroaniline	884	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	884	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	353	UG/KG	U	U	
REG	4-Chloroaniline	353	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	353	UG/KG	U	U	
REG	4-Methylphenol	353	UG/KG	U	U	
REG	4-Nitroaniline	884	UG/KG	U	U	
REG	4-Nitrophenol	884	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M11 SC-M11

011111

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-chloro-3-methylphenol	353	UG/KG	U	U	
REG	Acenaphthene	353	UG/KG	U	U	
REG	Acenaphthylene	353	UG/KG	U	U	
REG	Anthracene	353	UG/KG	U	U	
REG	Benzo(a)anthracene	353	UG/KG	U	U	
REG	Benzo(a)pyrene	353	UG/KG	U	U	
REG	Benzo(b)fluoranthene	353	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	353	UG/KG	U	U	
REG	Benzo(k)fluoranthene	353	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	353	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	353	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	353	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	353	UG/KG	U	U	
REG	Carbazole	353	UG/KG	U	UJ	C05
REG	Chrysene	353	UG/KG	U	U	
REG	Di-n-butyl Phthalate	353	UG/KG	U	U	
REG	Di-n-octyl Phthalate	353	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	353	UG/KG	U	U	
REG	Dibenzofuran	353	UG/KG	U	U	
REG	Diethyl Phthalate	353	UG/KG	U	U	
REG	Dimethyl Phthalate	353	UG/KG	U	U	
REG	Fluoranthene	353	UG/KG	U	U	
REG	Fluorene	353	UG/KG	U	U	
REG	Hexachlorobenzene	353	UG/KG	U	U	
REG	Hexachlorobutadiene	353	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	353	UG/KG	U	U	
REG	Hexachloroethane	353	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	353	UG/KG	U	U	
REG	Isophorone	353	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	353	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	353	UG/KG	U	U	
REG	Naphthalene	353	UG/KG	U	U	
REG	Nitrobenzene	353	UG/KG	U	U	
REG	Pentachlorophenol	884	UG/KG	U	U	
REG	Phenanthrene	353	UG/KG	U	U	
REG	Phenol	353	UG/KG	U	U	
REG	Pyrene	353	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	10.6	UG/KG	U	UJ	C05
REG	1,1,2,2-Tetrachloroethane	10.6	UG/KG	U	UJ	C05
REG	1,1,2-Trichloroethane	10.6	UG/KG	U	UJ	C05
REG	1,1-Dichloroethane	10.6	UG/KG	U	UJ	C05
REG	1,1-Dichloroethene	10.6	UG/KG	U	U	
REG	1,2-Dichloroethane	10.6	UG/KG	U	UJ	C05
REG	1,2-Dichloropropane	10.6	UG/KG	U	UJ	C05
REG	1,2-cis-Dichloroethene	10.6	UG/KG	U	UJ	C05
REG	1,2-trans-Dichloroethene	10.6	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	10.6	UG/KG	U	UJ	C05
REG	1,3-trans-Dichloropropene	10.6	UG/KG	U	UJ	C05
REG	2-Butanone	21.3	UG/KG	U	UJ	C05
REG	2-Hexanone	21.3	UG/KG	U	UJ	C05
REG	4-Methyl-2-pentanone	21.3	UG/KG	U	UJ	C05
REG	Acetone	21.3	UG/KG	U	U	
REG	Benzene	10.6	UG/KG	U	UJ	C05
REG	Bromodichloromethane	10.6	UG/KG	U	UJ	C05
REG	Bromoform	10.6	UG/KG	U	UJ	C05
REG	Bromomethane	21.3	UG/KG	U	U	
REG	Carbon Disulfide	10.6	UG/KG	U	U	
REG	Carbon Tetrachloride	10.6	UG/KG	U	UJ	C05
REG	Chlorobenzene	10.6	UG/KG	U	UJ	C05
REG	Chloroethane	21.3	UG/KG	U	U	
REG	Chloroform	10.6	UG/KG	U	UJ	C05
REG	Chloromethane	21.3	UG/KG	U	U	
REG	Dibromochloromethane	10.6	UG/KG	U	UJ	C05
REG	Ethylbenzene	10.6	UG/KG	U	UJ	C05
REG	Methylene Chloride	9.2	UG/KG	J	J	C05
REG	Styrene	10.6	UG/KG	U	UJ	C05

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Location: SWMU-1

Station: SC-M11 SC-M11

011111 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/16/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Tetrachloroethene	10.6	UG/KG	U	UJ	C05	
REG	Toluene	10.6	UG/KG	U	UJ	C05	
REG	Trichloroethene	10.6	UG/KG	U	UJ	C05	
REG	Vinyl Chloride	21.3	UG/KG	U	U		
REG	Xylenes, Total	10.6	UG/KG	U	UJ	C05	
TIC REG	44.20 Benzene	44.2	UG/KG	NJ			
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.334	PCI/G	J	J		0.0907
REG	Radium-228	0.304	PCI/G	U	U		0.186

011112 2.5 - 5.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.12	MG/KG	U	U		
REG	Barium	6.4	MG/KG	B	J		
REG	Cadmium	0.04	MG/KG	U	U		
REG	Chromium	0.52	MG/KG	B	R	F06,F10	
REG	Lead	0.79	MG/KG	*	=		
REG	Mercury	0.01	MG/KG	B	J		
REG	Selenium	0.18	MG/KG	B	UJ	F01,F06,P02	
REG	Silver	0.01	MG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	1.4	UG/KG	U	U		
REG	4,4'-DDE	1.4	UG/KG	U	U		
REG	4,4'-DDT	1.4	UG/KG	U	U		
REG	Aldrin	0.69	UG/KG	U	U		
REG	Alpha Chlordane	0.69	UG/KG	U	U		
REG	Alpha-BHC	0.69	UG/KG	U	U		
REG	Aroclor-1016	3.5	UG/KG	U	U		
REG	Aroclor-1221	3.5	UG/KG	U	U		
REG	Aroclor-1232	3.5	UG/KG	U	U		
REG	Aroclor-1242	3.5	UG/KG	U	U		
REG	Aroclor-1248	3.5	UG/KG	U	U		
REG	Aroclor-1254	3.5	UG/KG	U	U		
REG	Aroclor-1260	3.5	UG/KG	U	U		
REG	Beta-BHC	0.69	UG/KG	U	U		
REG	Delta-BHC	0.69	UG/KG	U	U		
REG	Dieldrin	1.4	UG/KG	U	U		
REG	Endosulfan I	0.69	UG/KG	U	U		
REG	Endosulfan II	1.4	UG/KG	U	U		
REG	Endosulfan Sulfate	1.4	UG/KG	U	U		
REG	Endrin	1.4	UG/KG	U	U		
REG	Endrin Ketone	1.4	UG/KG	U	U		
REG	Gamma Chlordane	0.69	UG/KG	U	U		
REG	Gamma-BHC (Lindane)	0.69	UG/KG	U	U		
REG	Heptachlor	0.69	UG/KG	U	U		
REG	Heptachlor Epoxide	0.69	UG/KG	U	U		
REG	Methoxychlor	6.9	UG/KG	U	U		
REG	Toxaphene	34.7	UG/KG	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	350	UG/KG	U	U		
REG	1,2-Dichlorobenzene	350	UG/KG	U	U		
REG	1,3-Dichlorobenzene	350	UG/KG	U	U		
REG	1,4-Dichlorobenzene	350	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	350	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	875	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	350	UG/KG	U	U		
REG	2,4-Dichlorophenol	350	UG/KG	U	U		
REG	2,4-Dimethylphenol	350	UG/KG	U	U		
REG	2,4-Dinitrophenol	875	UG/KG	U	U		
REG	2,4-Dinitrotoluene	350	UG/KG	U	U		

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M11 SC-M11

011112

2.5 - 5.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,6-Dinitrotoluene	350	UG/KG	U	U	
REG	2-Chloronaphthalene	350	UG/KG	U	U	
REG	2-Chlorophenol	350	UG/KG	U	U	
REG	2-Methylnaphthalene	350	UG/KG	U	U	
REG	2-Methylphenol	350	UG/KG	U	U	
REG	2-Nitroaniline	875	UG/KG	U	U	
REG	2-Nitrophenol	350	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	700	UG/KG	U	U	
REG	3-Nitroaniline	875	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	875	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	350	UG/KG	U	U	
REG	4-Chloroaniline	350	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	350	UG/KG	U	U	
REG	4-Methylphenol	350	UG/KG	U	U	
REG	4-Nitroaniline	875	UG/KG	U	U	
REG	4-Nitrophenol	875	UG/KG	U	U	
REG	4-chloro-3-methylphenol	350	UG/KG	U	U	
REG	Acenaphthene	350	UG/KG	U	U	
REG	Acenaphthylene	350	UG/KG	U	U	
REG	Anthracene	350	UG/KG	U	U	
REG	Benzo(a)anthracene	350	UG/KG	U	U	
REG	Benzo(a)pyrene	350	UG/KG	U	U	
REG	Benzo(b)fluoranthene	350	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	350	UG/KG	U	U	
REG	Benzo(k)fluoranthene	350	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	350	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	350	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	350	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	350	UG/KG	U	U	
REG	Carbazole	350	UG/KG	U	UJ	C05
REG	Chrysene	350	UG/KG	U	U	
REG	Di-n-butyl Phthalate	350	UG/KG	U	U	
REG	Di-n-octyl Phthalate	350	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	350	UG/KG	U	U	
REG	Dibenzofuran	350	UG/KG	U	U	
REG	Diethyl Phthalate	350	UG/KG	U	U	
REG	Dimethyl Phthalate	350	UG/KG	U	U	
REG	Fluoranthene	350	UG/KG	U	U	
REG	Fluorene	350	UG/KG	U	U	
REG	Hexachlorobenzene	350	UG/KG	U	U	
REG	Hexachlorobutadiene	350	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	350	UG/KG	U	U	
REG	Hexachloroethane	350	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	350	UG/KG	U	U	
REG	Isophorone	350	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	350	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	350	UG/KG	U	U	
REG	Naphthalene	350	UG/KG	U	U	
REG	Nitrobenzene	350	UG/KG	U	U	
REG	Pentachlorophenol	875	UG/KG	U	U	
REG	Phenanthrene	350	UG/KG	U	U	
REG	Phenol	350	UG/KG	U	U	
REG	Pyrene	350	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.3	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	5.3	UG/KG	U	UJ	K01
REG	1,1,2-Trichloroethane	5.3	UG/KG	U	U	
REG	1,1-Dichloroethane	5.3	UG/KG	U	UJ	C05
REG	1,1-Dichloroethene	5.3	UG/KG	U	U	
REG	1,2-Dichloroethane	5.3	UG/KG	U	U	
REG	1,2-Dichloropropane	5.3	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	5.3	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	5.3	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.3	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5.3	UG/KG	U	U	
REG	2-Butanone	10.6	UG/KG	U	U	
REG	2-Hexanone	10.6	UG/KG	U	UJ	K01

Location: SWMU-1
Station: SC-M11 SC-M11

011112 2.5 - 5.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/16/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4-Methyl-2-pentanone	10.6	UG/KG	U	UJ	K01	
REG	Acetone	10.6	UG/KG	U	U		
REG	Benzene	5.3	UG/KG	U	U		
REG	Bromodichloromethane	5.3	UG/KG	U	U		
REG	Bromoform	5.3	UG/KG	U	U		
REG	Bromomethane	10.6	UG/KG	U	U		
REG	Carbon Disulfide	5.3	UG/KG	U	U		
REG	Carbon Tetrachloride	5.3	UG/KG	U	U		
REG	Chlorobenzene	5.3	UG/KG	U	UJ	K01	
REG	Chloroethane	10.6	UG/KG	U	U		
REG	Chloroform	5.3	UG/KG	U	U		
REG	Chloromethane	10.6	UG/KG	U	U		
REG	Dibromochloromethane	5.3	UG/KG	U	U		
REG	Ethylbenzene	5.3	UG/KG	U	UJ	K01	
REG	Methylene Chloride	5.3	UG/KG	U	UJ	C05	
REG	Styrene	5.3	UG/KG	U	UJ	K01	
REG	Tetrachloroethene	5.3	UG/KG	U	UJ	K01	
REG	Toluene	6.1	UG/KG		J	G01,K01	
REG	Trichloroethene	5.3	UG/KG	U	U		
REG	Vinyl Chloride	10.8	UG/KG	U	U		
REG	Xylenes, Total	5.3	UG/KG	U	UJ	K01	
TIC REG	32.90 Benzene	32.9	UG/KG	NJ			
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.322	PCI/G	J	J		0.0965
REG	Radium-228	0.222	PCI/G	J	J		0.120

011121 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Soil Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.13	MG/KG	U	U		
REG	Barium	7.7	MG/KG	B	J		
REG	Cadmium	0.04	MG/KG	U	U		
REG	Chromium	2.3	MG/KG	B	J	F10	
REG	Lead	2.8	MG/KG	*	=		
REG	Mercury	0.01	MG/KG	B	J		
REG	Selenium	0.09	MG/KG	U	UJ	P02	
REG	Silver	0.01	MG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	1.4	UG/KG	U	U		
REG	4,4'-DDE	0.64	UG/KG	J	J		
REG	4,4'-DDT	2.2	UG/KG	P	J	M08	
REG	Aldrin	0.72	UG/KG	U	U		
REG	Alpha Chlordane	0.72	UG/KG	U	U		
REG	Alpha-BHC	0.72	UG/KG	U	U		
REG	Aroclor-1016	3.6	UG/KG	U	U		
REG	Aroclor-1221	3.6	UG/KG	U	U		
REG	Aroclor-1232	3.6	UG/KG	U	U		
REG	Aroclor-1242	3.6	UG/KG	U	U		
REG	Aroclor-1248	3.6	UG/KG	U	U		
REG	Aroclor-1254	3.6	UG/KG	U	U		
REG	Aroclor-1260	3.6	UG/KG	U	U		
REG	Beta-BHC	0.72	UG/KG	U	U		
REG	Delta-BHC	0.72	UG/KG	U	U		
REG	Dieldrin	1.4	UG/KG	U	U		
REG	Endosulfan I	0.72	UG/KG	U	U		
REG	Endosulfan II	1.4	UG/KG	U	U		
REG	Endosulfan Sulfate	1.4	UG/KG	U	U		
REG	Endrin	1.4	UG/KG	U	U		
REG	Endrin Ketone	1.4	UG/KG	U	U		
REG	Gamma Chlordane	0.72	UG/KG	U	U		
REG	Gamma-BHC (Lindane)	0.72	UG/KG	U	U		
REG	Heptachlor	0.72	UG/KG	U	U		
REG	Heptachlor Epoxide	0.72	UG/KG	U	U		

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M11

SC-M11

011121

0.0 - 1.0 FT

Field Sample Type: Field Duplicate

Matrix: Soil

Collected: 11/16/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Methoxychlor	7.2	UG/KG	U	U	
REG	Toxaphene	35.7	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	355	UG/KG	U	U	
REG	1,2-Dichlorobenzene	355	UG/KG	U	U	
REG	1,3-Dichlorobenzene	355	UG/KG	U	U	
REG	1,4-Dichlorobenzene	355	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	355	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	888	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	355	UG/KG	U	U	
REG	2,4-Dichlorophenol	355	UG/KG	U	U	
REG	2,4-Dimethylphenol	355	UG/KG	U	U	
REG	2,4-Dinitrophenol	888	UG/KG	U	U	
REG	2,4-Dinitrotoluene	355	UG/KG	U	U	
REG	2,6-Dinitrotoluene	355	UG/KG	U	U	
REG	2-Chloronaphthalene	355	UG/KG	U	U	
REG	2-Chlorophenol	355	UG/KG	U	U	
REG	2-Methylnaphthalene	355	UG/KG	U	U	
REG	2-Methylphenol	355	UG/KG	U	U	
REG	2-Nitroaniline	888	UG/KG	U	U	
REG	2-Nitrophenol	355	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	710	UG/KG	U	U	
REG	3-Nitroaniline	888	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	888	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	355	UG/KG	U	U	
REG	4-Chloroaniline	355	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	355	UG/KG	U	U	
REG	4-Methylphenol	355	UG/KG	U	U	
REG	4-Nitroaniline	888	UG/KG	U	U	
REG	4-Nitrophenol	888	UG/KG	U	U	
REG	4-chloro-3-methylphenol	355	UG/KG	U	U	
REG	Acenaphthene	355	UG/KG	U	U	
REG	Acenaphthylene	355	UG/KG	U	U	
REG	Anthracene	355	UG/KG	U	U	
REG	Benzo(a)anthracene	355	UG/KG	U	U	
REG	Benzo(a)pyrene	355	UG/KG	U	U	
REG	Benzo(b)fluoranthene	355	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	355	UG/KG	U	U	
REG	Benzo(k)fluoranthene	355	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	355	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	355	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	355	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	355	UG/KG	U	U	
REG	Carbazole	355	UG/KG	U	UJ	C05
REG	Chrysene	355	UG/KG	U	U	
REG	Di-n-butyl Phthalate	355	UG/KG	U	U	
REG	Di-n-octyl Phthalate	355	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	355	UG/KG	U	U	
REG	Dibenzofuran	355	UG/KG	U	U	
REG	Diethyl Phthalate	355	UG/KG	U	U	
REG	Dimethyl Phthalate	355	UG/KG	U	U	
REG	Fluoranthene	355	UG/KG	U	U	
REG	Fluorene	355	UG/KG	U	U	
REG	Hexachlorobenzene	355	UG/KG	U	U	
REG	Hexachlorobutadiene	355	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	355	UG/KG	U	U	
REG	Hexachloroethane	355	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	355	UG/KG	U	U	
REG	Isophorone	355	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	355	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	355	UG/KG	U	U	
REG	Naphthalene	355	UG/KG	U	U	
REG	Nitrobenzene	355	UG/KG	U	U	
REG	Pentachlorophenol	888	UG/KG	U	U	
REG	Phenanthrene	355	UG/KG	U	U	
REG	Phenol	355	UG/KG	U	U	
REG	Pyrene	355	UG/KG	U	U	

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Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	10.9	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	10.9	UG/KG	U	U	
REG	1,1,2-Trichloroethane	10.9	UG/KG	U	U	
REG	1,1-Dichloroethane	10.9	UG/KG	U	UJ	C05
REG	1,1-Dichloroethene	10.9	UG/KG	U	U	
REG	1,2-Dichloroethane	10.9	UG/KG	U	U	
REG	1,2-Dichloropropane	10.9	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	10.9	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	10.9	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	10.9	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	10.9	UG/KG	U	U	
REG	2-Butanone	21.7	UG/KG	U	U	
REG	2-Hexanone	21.7	UG/KG	U	U	
REG	4-Methyl-2-pentanone	21.7	UG/KG	U	U	
REG	Acetone	21.7	UG/KG	U	U	
REG	Benzene	10.9	UG/KG	U	U	
REG	Bromodichloromethane	10.9	UG/KG	U	U	
REG	Bromoform	10.9	UG/KG	U	U	
REG	Bromomethane	21.7	UG/KG	U	U	
REG	Carbon Disulfide	10.9	UG/KG	U	U	
REG	Carbon Tetrachloride	10.9	UG/KG	U	U	
REG	Chlorobenzene	10.9	UG/KG	U	U	
REG	Chloroethane	21.7	UG/KG	U	U	
REG	Chloroform	10.9	UG/KG	U	U	
REG	Chloromethane	21.7	UG/KG	U	U	
REG	Dibromochloromethane	10.9	UG/KG	U	U	
REG	Ethylbenzene	10.9	UG/KG	U	U	
REG	Methylene Chloride	15.9	UG/KG	J	J	C05
REG	Styrene	10.9	UG/KG	U	U	
REG	Tetrachloroethene	10.9	UG/KG	U	U	
REG	Toluene	10.9	UG/KG	U	U	
REG	Trichloroethene	10.9	UG/KG	U	U	
REG	Vinyl Chloride	21.7	UG/KG	U	U	
REG	Xylenes, Total	10.9	UG/KG	U	U	
TIC REG	26.40 Benzene	26.4	UG/KG	NJ		

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.310	PCI/G	J	J		0.0980
REG	Radium-228	0.368	PCI/G	J	J		0.144

012111

Field Sample Type: Grab Matrix: Groundwater

Collected: 12/13/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	45.7	MG/L		=	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	134	UG/L	B	J	
REG	Cadmium	0.59	UG/L		=	
REG	Chromium	1.7	UG/L	B	U	F01,F06
REG	Iron	1680	UG/L		=	
REG	Lead	0.91	UG/L	B*	J	J01,J02
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	0.73	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M11 SC-M11

012111

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	

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Location: SWMU-1
Station : SC-M11 SC-M11

012111

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	UJ	K01
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	K01
REG	1,1-Dichloroethene	5	UG/L	U	U	K01
REG	1,2-Dichloroethane	5	UG/L	U	U	K01
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	UJ	K01
REG	1,2-trans-Dichloroethene	5	UG/L	U	UJ	K01
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	8.6	UG/L	J	J	K01
REG	2-Hexanone	10	UG/L	U	UJ	K01
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	K01
REG	Acetone	17.7	UG/L		UJ	K01,C05,F04,F06
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	UJ	K01
REG	Carbon Disulfide	5	UG/L	U	UJ	K01
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	UJ	K01
REG	Chloroethane	10	UG/L	U	UJ	K01
REG	Chloroform	5	UG/L	U	U	K01
REG	Chloromethane	10	UG/L	U	UJ	K01
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	UJ	K01
REG	Methylene Chloride	2	UG/L	U	UJ	K01
REG	Styrene	5	UG/L	U	UJ	K01
REG	Tetrachloroethene	5	UG/L	U	UJ	K01
REG	Toluene	2	UG/L	U	UJ	K01
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	C05,K01
REG	Vinyl Chloride	2	UG/L	U	UJ	K01
REG	Xylenes, Total	5	UG/L	U	UJ	K01

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.352	PCI/L	U	U		0.6
REG	Radium-228	3.74	PCI/L		=		0.71

Location: SWMU-1
Station : SC-M12 SC-M12

011211

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.04	MG/KG	B	U	F06
REG	Barium	0.3	MG/KG	B	J	
REG	Cadmium	0.01	MG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M12 SC-M12

011211

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chromium	0.23	MG/KG	B	U	F06
REG	Lead	0.38	MG/KG	E	J	E07
REG	Mercury	0.01	MG/KG	U	U	
REG	Selenium	0.04	MG/KG	B	U	F06
REG	Silver	0.01	MG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.3	UG/KG	U	U	
REG	4,4'-DDE	1.3	UG/KG	U	U	
REG	4,4'-DDT	1.3	UG/KG	U	UJ	C08
REG	Aldrin	0.67	UG/KG	U	U	
REG	Alpha Chlordane	0.67	UG/KG	U	U	
REG	Alpha-BHC	0.67	UG/KG	U	U	
REG	Aroclor-1016	3.3	UG/KG	U	U	
REG	Aroclor-1221	3.3	UG/KG	U	U	
REG	Aroclor-1232	3.3	UG/KG	U	U	
REG	Aroclor-1242	3.3	UG/KG	U	U	
REG	Aroclor-1248	3.3	UG/KG	U	U	
REG	Aroclor-1254	3.3	UG/KG	U	U	
REG	Aroclor-1260	3.3	UG/KG	U	U	
REG	Beta-BHC	0.67	UG/KG	U	U	
REG	Delta-BHC	0.67	UG/KG	U	U	
REG	Dieldrin	1.3	UG/KG	U	U	
REG	Endosulfan I	0.67	UG/KG	U	U	
REG	Endosulfan II	1.3	UG/KG	U	U	
REG	Endosulfan Sulfate	1.3	UG/KG	U	U	
REG	Endrin	1.3	UG/KG	U	U	
REG	Endrin Ketone	1.3	UG/KG	U	U	
REG	Gamma Chlordane	0.67	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.67	UG/KG	U	U	
REG	Heptachlor	0.67	UG/KG	U	U	
REG	Heptachlor Epoxide	0.67	UG/KG	U	U	
REG	Methoxychlor	6.7	UG/KG	U	UJ	C08
REG	Toxaphene	33.3	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	382	UG/KG	U	U	
REG	1,2-Dichlorobenzene	382	UG/KG	U	U	
REG	1,3-Dichlorobenzene	382	UG/KG	U	U	
REG	1,4-Dichlorobenzene	382	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	382	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	382	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	382	UG/KG	U	U	
REG	2,4-Dichlorophenol	382	UG/KG	U	U	
REG	2,4-Dimethylphenol	382	UG/KG	U	U	
REG	2,4-Dinitrophenol	765	UG/KG	U	U	
REG	2,4-Dinitrotoluene	382	UG/KG	U	U	
REG	2,6-Dinitrotoluene	382	UG/KG	U	U	
REG	2-Chloronaphthalene	382	UG/KG	U	U	
REG	2-Chlorophenol	382	UG/KG	U	U	
REG	2-Methylnaphthalene	382	UG/KG	U	U	
REG	2-Methylphenol	382	UG/KG	U	U	
REG	2-Nitroaniline	382	UG/KG	U	U	
REG	2-Nitrophenol	382	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1910	UG/KG	U	U	
REG	3-Nitroaniline	382	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	765	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	382	UG/KG	U	U	
REG	4-Chloroaniline	382	UG/KG	U	UJ	C05
REG	4-Chlorophenyl-phenylether	382	UG/KG	U	U	
REG	4-Methylphenol	382	UG/KG	U	U	
REG	4-Nitroaniline	382	UG/KG	U	UJ	C05
REG	4-Nitrophenol	765	UG/KG	U	U	
REG	4-chloro-3-methylphenol	382	UG/KG	U	U	
REG	Acenaphthene	382	UG/KG	U	U	
REG	Acenaphthylene	382	UG/KG	U	U	

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Location: SWMU-1

Station: SC-M12

SC-M12

011211

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Anthracene	382	UG/KG	U	U	
REG	Benzo(a)anthracene	382	UG/KG	U	U	
REG	Benzo(a)pyrene	382	UG/KG	U	U	
REG	Benzo(b)fluoranthene	382	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	382	UG/KG	U	U	
REG	Benzo(k)fluoranthene	382	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	382	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	382	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	382	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	382	UG/KG	U	U	
REG	Carbazole	382	UG/KG	U	UJ	C05
REG	Chrysene	382	UG/KG	U	U	
REG	Di-n-butyl Phthalate	382	UG/KG	U	U	
REG	Di-n-octyl Phthalate	382	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	382	UG/KG	U	U	
REG	Dibenzofuran	382	UG/KG	U	U	
REG	Diethyl Phthalate	382	UG/KG	U	U	
REG	Dimethyl Phthalate	382	UG/KG	U	U	
REG	Fluoranthene	382	UG/KG	U	U	
REG	Fluorene	382	UG/KG	U	U	
REG	Hexachlorobenzene	382	UG/KG	U	U	
REG	Hexachlorobutadiene	382	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	382	UG/KG	U	U	
REG	Hexachloroethane	382	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	382	UG/KG	U	U	
REG	Isophorone	382	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	382	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	382	UG/KG	U	U	
REG	Naphthalene	382	UG/KG	U	U	
REG	Nitrobenzene	382	UG/KG	U	U	
REG	Pentachlorophenol	382	UG/KG	U	U	
REG	Phenanthrene	382	UG/KG	U	U	
REG	Phenol	382	UG/KG	U	U	
REG	Pyrene	382	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.8	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	5.8	UG/KG	U	UJ	K01
REG	1,1,2-Trichloroethane	5.8	UG/KG	U	U	
REG	1,1-Dichloroethane	5.8	UG/KG	U	U	
REG	1,1-Dichloroethene	5.8	UG/KG	U	U	
REG	1,2-Dichloroethane	5.8	UG/KG	U	U	
REG	1,2-Dichloroethene	5.8	UG/KG	U	U	
REG	1,2-Dichloropropane	5.8	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.8	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5.8	UG/KG	U	U	
REG	2-Butanone	11.6	UG/KG	U	U	
REG	2-Hexanone	11.6	UG/KG	U	UJ	K01
REG	4-Methyl-2-pentanone	11.6	UG/KG	U	UJ	K01
REG	Acetone	11.6	UG/KG	U	U	
REG	Benzene	5.8	UG/KG	U	U	
REG	Bromodichloromethane	5.8	UG/KG	U	U	
REG	Bromoform	5.8	UG/KG	U	U	
REG	Bromomethane	11.6	UG/KG	U	U	
REG	Carbon Disulfide	5.8	UG/KG	U	U	
REG	Carbon Tetrachloride	5.8	UG/KG	U	U	
REG	Chlorobenzene	5.8	UG/KG	U	UJ	K01
REG	Chloroethane	11.6	UG/KG	U	U	
REG	Chloroform	5.8	UG/KG	U	U	
REG	Chloromethane	11.6	UG/KG	U	U	
REG	Dibromochloromethane	5.8	UG/KG	U	U	
REG	Ethylbenzene	5.8	UG/KG	U	UJ	K01
REG	Methylene Chloride	13.7	UG/KG		=	F08
REG	Styrene	5.8	UG/KG	U	UJ	K01
REG	Tetrachloroethene	5.8	UG/KG	U	UJ	K01
REG	Toluene	5.8	UG/KG	U	UJ	K01
REG	Trichloroethene	5.8	UG/KG	U	U	
REG	Vinyl Chloride	11.6	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M12 SC-M12

011211 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/16/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Xylenes, Total	5.8	UG/KG	U	UJ	K01	
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.216	PCI/G	J	J		0.0537
REG	Radium-228	0.212	PCI/G	J	J		0.0948

011212 2.5 - 5.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/15/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.13	MG/KG	U	U		
REG	Barium	2.6	MG/KG	B	J		
REG	Cadmium	0.04	MG/KG	U	U		
REG	Chromium	0.52	MG/KG	B	J	F10	
REG	Lead	1.2	MG/KG	*	=		
REG	Mercury	0.02	MG/KG	B	J		
REG	Selenium	0.16	MG/KG	B	UJ	F01,F06,P02	
REG	Silver	0.02	MG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	1.5	UG/KG	U	U		
REG	4,4'-DDE	1.5	UG/KG	U	U		
REG	4,4'-DDT	1.5	UG/KG	U	U		
REG	Aldrin	0.73	UG/KG	U	U		
REG	Alpha Chlordane	0.73	UG/KG	U	U		
REG	Alpha-BHC	0.73	UG/KG	U	U		
REG	Aroclor-1016	3.7	UG/KG	U	U		
REG	Aroclor-1221	3.7	UG/KG	U	U		
REG	Aroclor-1232	3.7	UG/KG	U	U		
REG	Aroclor-1242	3.7	UG/KG	U	U		
REG	Aroclor-1248	3.7	UG/KG	U	U		
REG	Aroclor-1254	3.7	UG/KG	U	U		
REG	Aroclor-1260	3.7	UG/KG	U	U		
REG	Beta-BHC	0.73	UG/KG	U	U		
REG	Delta-BHC	0.73	UG/KG	U	U		
REG	Dieldrin	1.5	UG/KG	U	U		
REG	Endosulfan I	0.73	UG/KG	U	U		
REG	Endosulfan II	1.5	UG/KG	U	U		
REG	Endosulfan Sulfate	1.5	UG/KG	U	U		
REG	Endrin	1.5	UG/KG	U	U		
REG	Endrin Ketone	1.5	UG/KG	U	U		
REG	Gamma Chlordane	0.73	UG/KG	U	U		
REG	Gamma-BHC (Lindane)	0.73	UG/KG	U	U		
REG	Heptachlor	0.73	UG/KG	U	U		
REG	Heptachlor Epoxide	0.73	UG/KG	U	U		
REG	Methoxychlor	7.3	UG/KG	U	U		
REG	Toxaphene	36.7	UG/KG	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	368	UG/KG	U	U		
REG	1,2-Dichlorobenzene	368	UG/KG	U	U		
REG	1,3-Dichlorobenzene	368	UG/KG	U	U		
REG	1,4-Dichlorobenzene	368	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	368	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	920	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	368	UG/KG	U	U		
REG	2,4-Dichlorophenol	368	UG/KG	U	U		
REG	2,4-Dimethylphenol	368	UG/KG	U	U		
REG	2,4-Dinitrophenol	920	UG/KG	U	U		
REG	2,4-Dinitrotoluene	368	UG/KG	U	U		
REG	2,6-Dinitrotoluene	368	UG/KG	U	U		
REG	2-Chloronaphthalene	368	UG/KG	U	U		
REG	2-Chlorophenol	368	UG/KG	U	U		
REG	2-Methylnaphthalene	368	UG/KG	U	U		
REG	2-Methylphenol	368	UG/KG	U	U		

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Location: SWMU-1
Station : SC-M12

SC-M12

011212

2.5 - 5.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Nitroaniline	920	UG/KG	U	U	
REG	2-Nitrophenol	368	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	736	UG/KG	U	U	
REG	3-Nitroaniline	920	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	920	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	368	UG/KG	U	U	
REG	4-Chloroaniline	368	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	368	UG/KG	U	U	
REG	4-Methylphenol	368	UG/KG	U	U	
REG	4-Nitroaniline	920	UG/KG	U	U	
REG	4-Nitrophenol	920	UG/KG	U	U	
REG	4-chloro-3-methylphenol	368	UG/KG	U	U	
REG	Acenaphthene	368	UG/KG	U	U	
REG	Acenaphthylene	368	UG/KG	U	U	
REG	Anthracene	368	UG/KG	U	U	
REG	Benzo(a)anthracene	368	UG/KG	U	U	
REG	Benzo(a)pyrene	368	UG/KG	U	U	
REG	Benzo(b)fluoranthene	368	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	368	UG/KG	U	U	
REG	Benzo(k)fluoranthene	368	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	368	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	368	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	368	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	368	UG/KG	U	U	
REG	Carbazole	368	UG/KG	U	UJ	C05
REG	Chrysene	368	UG/KG	U	U	
REG	Di-n-butyl Phthalate	368	UG/KG	U	U	
REG	Di-n-octyl Phthalate	368	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	368	UG/KG	U	U	
REG	Dibenzofuran	368	UG/KG	U	U	
REG	Diethyl Phthalate	368	UG/KG	U	U	
REG	Dimethyl Phthalate	368	UG/KG	U	U	
REG	Fluoranthene	368	UG/KG	U	U	
REG	Fluorene	368	UG/KG	U	U	
REG	Hexachlorobenzene	368	UG/KG	U	U	
REG	Hexachlorobutadiene	368	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	368	UG/KG	U	U	
REG	Hexachloroethane	368	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	368	UG/KG	U	U	
REG	Isophorone	368	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	368	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	368	UG/KG	U	U	
REG	Naphthalene	368	UG/KG	U	U	
REG	Nitrobenzene	368	UG/KG	U	U	
REG	Pentachlorophenol	920	UG/KG	U	U	
REG	Phenanthrene	368	UG/KG	U	U	
REG	Phenol	368	UG/KG	U	U	
REG	Pyrene	368	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.6	UG/KG	U	UJ	A03
REG	1,1,2,2-Tetrachloroethane	5.6	UG/KG	U	UJ	A03
REG	1,1,2-Trichloroethane	5.6	UG/KG	U	UJ	A03
REG	1,1-Dichloroethane	5.6	UG/KG	U	UJ	A03
REG	1,1-Dichloroethene	5.6	UG/KG	U	UJ	A03
REG	1,2-Dichloroethane	5.6	UG/KG	U	UJ	A03
REG	1,2-Dichloropropane	5.6	UG/KG	U	UJ	A03
REG	1,2-cis-Dichloroethene	5.6	UG/KG	U	UJ	A03
REG	1,2-trans-Dichloroethene	5.6	UG/KG	U	UJ	A03
REG	1,3-cis-Dichloropropene	5.6	UG/KG	U	UJ	A03
REG	1,3-trans-Dichloropropene	5.6	UG/KG	U	UJ	A03
REG	2-Butanone	11.1	UG/KG	U	UJ	A03
REG	2-Hexanone	11.1	UG/KG	U	UJ	A03
REG	4-Methyl-2-pentanone	11.1	UG/KG	U	UJ	A03
REG	Acetone	11.1	UG/KG	U	UJ	A03
REG	Benzene	5.6	UG/KG	U	UJ	A03
REG	Bromodichloromethane	5.6	UG/KG	U	UJ	A03
REG	Bromoform	5.6	UG/KG	U	UJ	A03

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M12 SC-M12

011212 2.5 - 5.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Bromomethane	11.1	UG/KG	U	UJ	A03
REG	Carbon Disulfide	5.6	UG/KG	U	UJ	A03
REG	Carbon Tetrachloride	5.6	UG/KG	U	UJ	A03
REG	Chlorobenzene	5.6	UG/KG	U	UJ	A03
REG	Chloroethane	11.1	UG/KG	U	UJ	A03
REG	Chloroform	5.6	UG/KG	U	UJ	A03
REG	Chloromethane	11.1	UG/KG	U	UJ	A03
REG	Dibromochloromethane	5.6	UG/KG	U	UJ	A03
REG	Ethylbenzene	5.6	UG/KG	U	UJ	A03
REG	Methylene Chloride	2.8	UG/KG	J	J	A03
REG	Styrene	5.6	UG/KG	U	UJ	A03
REG	Tetrachloroethene	5.6	UG/KG	U	UJ	A03
REG	Toluene	5.6	UG/KG	U	UJ	A03
REG	Trichloroethene	5.6	UG/KG	U	UJ	A03
REG	Vinyl Chloride	11.1	UG/KG	U	UJ	A03
REG	Xylenes, Total	5.6	UG/KG	U	UJ	A03

012211 Field Sample Type: Grab Matrix: Groundwater Collected: 12/12/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	13	MG/L	=		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	1.5	UG/L	B	J	
REG	Barium	23.4	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	11.6	UG/L	=		
REG	Iron	4650	UG/L	=		
REG	Lead	2.4	UG/L	*	J	J01,J02
REG	Mercury	0.04	UG/L	B	J	
REG	Selenium	1.4	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	17.3	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	7.1	UG/L	B	U	F01,F06
REG	Lead	0.36	UG/L	B*	U	F06
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	2.7	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	

369

Location: SWMU-1

Station: SC-M12

012211

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/12/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	0.78	UG/L	J	J	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M12 SC-M12

012211

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/12/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	UJ	A03
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	UJ	A03
REG	1,1,2-Trichloroethane	5	UG/L	U	UJ	A03
REG	1,1-Dichloroethane	5	UG/L	U	UJ	A03
REG	1,1-Dichloroethene	5	UG/L	U	UJ	A03
REG	1,2-Dichloroethane	5	UG/L	U	UJ	A03
REG	1,2-Dichloropropane	5	UG/L	U	UJ	A03
REG	1,2-cis-Dichloroethene	0.4	UG/L	J	J	A03
REG	1,2-trans-Dichloroethene	5	UG/L	U	UJ	A03
REG	1,3-cis-Dichloropropene	5	UG/L	U	UJ	A03
REG	1,3-trans-Dichloropropene	5	UG/L	U	UJ	A03
REG	2-Butanone	10	UG/L	U	UJ	A03
REG	2-Hexanone	10	UG/L	U	UJ	A03
REG	4-Methyl-2-pentanone	10	UG/L	U	U	A03
REG	Acetone	10	UG/L	J	UJ	A03,C05,F04,F06
REG	Benzene	0.32	UG/L	J	J	A03
REG	Bromodichloromethane	5	UG/L	U	UJ	A03
REG	Bromoform	5	UG/L	U	UJ	A03
REG	Bromomethane	10	UG/L	U	UJ	A03
REG	Carbon Disulfide	5	UG/L	U	U	A03
REG	Carbon Tetrachloride	5	UG/L	U	UJ	A03
REG	Chlorobenzene	5	UG/L	U	UJ	A03
REG	Chloroethane	10	UG/L	U	UJ	A03
REG	Chloroform	5	UG/L	U	UJ	A03
REG	Chloromethane	10	UG/L	U	UJ	A03
REG	Dibromochloromethane	5	UG/L	U	UJ	A03
REG	Ethylbenzene	5	UG/L	U	UJ	A03
REG	Methylene Chloride	2	UG/L	U	UJ	A03
REG	Styrene	5	UG/L	U	UJ	A03
REG	Tetrachloroethene	5	UG/L	U	UJ	A03
REG	Toluene	2	UG/L	U	UJ	A03
REG	Trichloroethene	5	UG/L	U	UJ	A03
REG	Vinyl Acetate	10	UG/L	U	UJ	A03,C05
REG	Vinyl Chloride	2	UG/L	U	UJ	A03
REG	Xylenes, Total	5	UG/L	U	UJ	A03

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.585	PCI/L	U	U		0.54
REG	Radium-228	3.17	PCI/L		=		0.5

Location: SWMU-1
Station : SC-M13 SC-M13

011311

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.12	MG/KG	U	U	
REG	Barium	0.58	MG/KG	B	J	
REG	Cadmium	0.04	MG/KG	U	U	
REG	Chromium	0.12	MG/KG	U	R	F10
REG	Lead	0.45	MG/KG	*	=	
REG	Mercury	0.01	MG/KG	U	U	
REG	Selenium	0.08	MG/KG	U	UJ	P02
REG	Silver	0.01	MG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
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Location: SWMU-1

Station: SC-M13

SC-M13

011311

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	3.8	UG/KG	=		
REG	4,4'-DDE	1.4	UG/KG	U	U	
REG	4,4'-DDT	2.1	UG/KG	P	J	M08
REG	Aldrin	0.7	UG/KG	U	U	
REG	Alpha Chlordane	0.7	UG/KG	U	U	
REG	Alpha-BHC	0.7	UG/KG	U	U	
REG	Aroclor-1016	3.5	UG/KG	U	U	
REG	Aroclor-1221	3.5	UG/KG	U	U	
REG	Aroclor-1232	3.5	UG/KG	U	U	
REG	Aroclor-1242	3.5	UG/KG	U	U	
REG	Aroclor-1248	3.5	UG/KG	U	U	
REG	Aroclor-1254	3.5	UG/KG	U	U	
REG	Aroclor-1260	3.5	UG/KG	U	U	
REG	Beta-BHC	0.7	UG/KG	U	U	
REG	Delta-BHC	0.7	UG/KG	U	U	
REG	Dieldrin	1.4	UG/KG	U	U	
REG	Endosulfan I	0.7	UG/KG	U	U	
REG	Endosulfan II	1.4	UG/KG	U	U	
REG	Endosulfan Sulfate	1.4	UG/KG	U	U	
REG	Endrin	1.4	UG/KG	U	U	
REG	Endrin Ketone	1.4	UG/KG	U	U	
REG	Gamma Chlordane	0.7	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.7	UG/KG	U	U	
REG	Heptachlor	0.7	UG/KG	U	U	
REG	Heptachlor Epoxide	0.7	UG/KG	U	U	
REG	Methoxychlor	7	UG/KG	U	U	
REG	Toxaphene	34.8	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	348	UG/KG	U	U	
REG	1,2-Dichlorobenzene	348	UG/KG	U	U	
REG	1,3-Dichlorobenzene	348	UG/KG	U	U	
REG	1,4-Dichlorobenzene	348	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	348	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	869	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	348	UG/KG	U	U	
REG	2,4-Dichlorophenol	348	UG/KG	U	U	
REG	2,4-Dimethylphenol	348	UG/KG	U	U	
REG	2,4-Dinitrophenol	869	UG/KG	U	U	
REG	2,4-Dinitrotoluene	348	UG/KG	U	U	
REG	2,6-Dinitrotoluene	348	UG/KG	U	U	
REG	2-Chloronaphthalene	348	UG/KG	U	U	
REG	2-Chlorophenol	348	UG/KG	U	U	
REG	2-Methylnaphthalene	348	UG/KG	U	U	
REG	2-Methylphenol	348	UG/KG	U	U	
REG	2-Nitroaniline	869	UG/KG	U	U	
REG	2-Nitrophenol	348	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	695	UG/KG	U	U	
REG	3-Nitroaniline	869	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	869	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	348	UG/KG	U	U	
REG	4-Chloroaniline	348	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	348	UG/KG	U	U	
REG	4-Methylphenol	348	UG/KG	U	U	
REG	4-Nitroaniline	869	UG/KG	U	U	
REG	4-Nitrophenol	869	UG/KG	U	U	
REG	4-chloro-3-methylphenol	348	UG/KG	U	U	
REG	Acenaphthene	348	UG/KG	U	U	
REG	Acenaphthylene	348	UG/KG	U	U	
REG	Anthracene	348	UG/KG	U	U	
REG	Benzo(a)anthracene	348	UG/KG	U	U	
REG	Benzo(a)pyrene	348	UG/KG	U	U	
REG	Benzo(b)fluoranthene	348	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	348	UG/KG	U	U	
REG	Benzo(k)fluoranthene	348	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	348	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	348	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	348	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station: SC-M13

SC-M13

011311

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Butyl Benzyl Phthalate	348	UG/KG	U	U	C05
REG	Carbazole	348	UG/KG	U	UJ	
REG	Chrysene	348	UG/KG	U	U	
REG	Di-n-butyl Phthalate	348	UG/KG	U	U	
REG	Di-n-octyl Phthalate	348	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	348	UG/KG	U	U	
REG	Dibenzofuran	348	UG/KG	U	U	
REG	Diethyl Phthalate	348	UG/KG	U	U	
REG	Dimethyl Phthalate	348	UG/KG	U	U	
REG	Fluoranthene	348	UG/KG	U	U	
REG	Fluorene	348	UG/KG	U	U	
REG	Hexachlorobenzene	348	UG/KG	U	U	
REG	Hexachlorobutadiene	348	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	348	UG/KG	U	U	
REG	Hexachloroethane	348	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	348	UG/KG	U	U	
REG	Isophorone	348	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	348	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	348	UG/KG	U	U	
REG	Naphthalene	348	UG/KG	U	U	
REG	Nitrobenzene	348	UG/KG	U	U	
REG	Pentachlorophenol	869	UG/KG	U	U	
REG	Phenanthrene	348	UG/KG	U	U	
REG	Phenol	348	UG/KG	U	U	
REG	Pyrene	348	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	10.6	UG/KG	U	U	C05
REG	1,1,2,2-Tetrachloroethane	10.6	UG/KG	U	U	
REG	1,1,2-Trichloroethane	10.6	UG/KG	U	U	
REG	1,1-Dichloroethane	10.6	UG/KG	U	UJ	
REG	1,1-Dichloroethene	10.6	UG/KG	U	U	
REG	1,2-Dichloroethane	10.6	UG/KG	U	U	
REG	1,2-Dichloropropane	10.6	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	10.6	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	10.6	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	10.6	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	10.6	UG/KG	U	U	
REG	2-Butanone	21.3	UG/KG	U	U	
REG	2-Hexanone	21.3	UG/KG	U	U	
REG	4-Methyl-2-pentanone	21.3	UG/KG	U	U	
REG	Acetone	21.3	UG/KG	U	U	
REG	Benzene	10.6	UG/KG	U	U	
REG	Bromodichloromethane	10.6	UG/KG	U	U	
REG	Bromoform	10.6	UG/KG	U	U	
REG	Bromomethane	21.3	UG/KG	U	U	
REG	Carbon Disulfide	10.6	UG/KG	U	U	
REG	Carbon Tetrachloride	10.6	UG/KG	U	U	
REG	Chlorobenzene	10.6	UG/KG	U	U	
REG	Chloroethane	21.3	UG/KG	U	U	
REG	Chloroform	10.6	UG/KG	U	U	
REG	Chloromethane	21.3	UG/KG	U	U	
REG	Dibromochloromethane	10.6	UG/KG	U	U	
REG	Ethylbenzene	10.6	UG/KG	U	U	C05
REG	Methylene Chloride	1.4	UG/KG	J	J	
REG	Styrene	10.6	UG/KG	U	U	
REG	Tetrachloroethene	10.6	UG/KG	U	U	
REG	Toluene	10.6	UG/KG	U	U	
REG	Trichloroethene	10.6	UG/KG	U	U	
REG	Vinyl Chloride	21.3	UG/KG	U	U	
REG	Xylenes, Total	10.6	UG/KG	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.295	PCI/G	J	J		0.100
REG	Radium-228	0.207	PCI/G	U	U		0.105

373

011312

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.14	MG/KG	U	U	
REG	Barium	8	MG/KG	B	J	
REG	Cadmium	0.05	MG/KG	U	U	
REG	Chromium	3.8	MG/KG	B	J	F10
REG	Lead	3.8	MG/KG	*	=	
REG	Mercury	0.03	MG/KG	B	J	
REG	Selenium	0.19	MG/KG	B	UJ	F01,F06,P02
REG	Silver	0.02	MG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.5	UG/KG	U	U	
REG	4,4'-DDE	1.5	UG/KG	U	U	
REG	4,4'-DDT	1.5	UG/KG	U	U	
REG	Aldrin	0.75	UG/KG	U	U	
REG	Alpha Chlordane	0.75	UG/KG	U	U	
REG	Alpha-BHC	0.75	UG/KG	U	U	
REG	Aroclor-1016	3.8	UG/KG	U	U	
REG	Aroclor-1221	3.8	UG/KG	U	U	
REG	Aroclor-1232	3.8	UG/KG	U	U	
REG	Aroclor-1242	3.8	UG/KG	U	U	
REG	Aroclor-1248	3.8	UG/KG	U	U	
REG	Aroclor-1254	3.8	UG/KG	U	U	
REG	Aroclor-1260	3.8	UG/KG	U	U	
REG	Beta-BHC	0.75	UG/KG	U	U	
REG	Delta-BHC	0.75	UG/KG	U	U	
REG	Dieldrin	1.5	UG/KG	U	U	
REG	Endosulfan I	0.75	UG/KG	U	U	
REG	Endosulfan II	1.5	UG/KG	U	U	
REG	Endosulfan Sulfate	1.5	UG/KG	U	U	
REG	Endrin	1.5	UG/KG	U	U	
REG	Endrin Ketone	1.5	UG/KG	U	U	
REG	Gamma Chlordane	0.75	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.75	UG/KG	U	U	
REG	Heptachlor	0.39	UG/KG	JP	J	M08
REG	Heptachlor Epoxide	0.75	UG/KG	U	U	
REG	Methoxychlor	7.5	UG/KG	U	U	
REG	Toxaphene	37.7	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	383	UG/KG	U	U	
REG	1,2-Dichlorobenzene	383	UG/KG	U	U	
REG	1,3-Dichlorobenzene	383	UG/KG	U	U	
REG	1,4-Dichlorobenzene	383	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	383	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	958	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	383	UG/KG	U	U	
REG	2,4-Dichlorophenol	383	UG/KG	U	U	
REG	2,4-Dimethylphenol	383	UG/KG	U	U	
REG	2,4-Dinitrophenol	958	UG/KG	U	U	
REG	2,4-Dinitrotoluene	383	UG/KG	U	U	
REG	2,6-Dinitrotoluene	383	UG/KG	U	U	
REG	2-Chloronaphthalene	383	UG/KG	U	U	
REG	2-Chlorophenol	383	UG/KG	U	U	
REG	2-Methylnaphthalene	383	UG/KG	U	U	
REG	2-Methylphenol	383	UG/KG	U	U	
REG	2-Nitroaniline	958	UG/KG	U	U	
REG	2-Nitrophenol	383	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	766	UG/KG	U	U	
REG	3-Nitroaniline	958	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	958	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	383	UG/KG	U	U	
REG	4-Chloroaniline	383	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	383	UG/KG	U	U	
REG	4-Methylphenol	383	UG/KG	U	U	
REG	4-Nitroaniline	958	UG/KG	U	U	
REG	4-Nitrophenol	958	UG/KG	U	U	
REG	4-chloro-3-methylphenol	383	UG/KG	U	U	
REG	Acenaphthene	383	UG/KG	U	U	
REG	Acenaphthylene	383	UG/KG	U	U	
REG	Anthracene	383	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M13 SC-M13

011312

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Benzo(a)anthracene	383	UG/KG	U	U	
REG	Benzo(a)pyrene	383	UG/KG	U	U	
REG	Benzo(b)fluoranthene	383	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	383	UG/KG	U	U	
REG	Benzo(k)fluoranthene	383	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	383	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	383	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	383	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	383	UG/KG	U	U	
REG	Carbazole	383	UG/KG	U	UJ	C05
REG	Chrysene	383	UG/KG	U	U	
REG	Di-n-butyl Phthalate	383	UG/KG	U	U	
REG	Di-n-octyl Phthalate	383	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	383	UG/KG	U	U	
REG	Dibenzofuran	383	UG/KG	U	U	
REG	Diethyl Phthalate	383	UG/KG	U	U	
REG	Dimethyl Phthalate	383	UG/KG	U	U	
REG	Fluoranthene	383	UG/KG	U	U	
REG	Fluorene	383	UG/KG	U	U	
REG	Hexachlorobenzene	383	UG/KG	U	U	
REG	Hexachlorobutadiene	383	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	383	UG/KG	U	U	
REG	Hexachloroethane	383	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	383	UG/KG	U	U	
REG	Isophorone	383	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	383	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	383	UG/KG	U	U	
REG	Naphthalene	383	UG/KG	U	U	
REG	Nitrobenzene	383	UG/KG	U	U	
REG	Pentachlorophenol	958	UG/KG	U	U	
REG	Phenanthrene	383	UG/KG	U	U	
REG	Phenol	383	UG/KG	U	U	
REG	Pyrene	383	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.7	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	5.7	UG/KG	U	U	
REG	1,1,2-Trichloroethane	5.7	UG/KG	U	U	
REG	1,1-Dichloroethane	5.7	UG/KG	U	UJ	C05
REG	1,1-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-Dichloroethane	5.7	UG/KG	U	U	
REG	1,2-Dichloropropane	5.7	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	5.7	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.7	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5.7	UG/KG	U	U	
REG	2-Butanone	11.5	UG/KG	U	U	
REG	2-Hexanone	11.5	UG/KG	U	U	
REG	4-Methyl-2-pentanone	11.5	UG/KG	U	U	
REG	Acetone	11.5	UG/KG	U	U	
REG	Benzene	5.7	UG/KG	U	U	
REG	Bromodichloromethane	5.7	UG/KG	U	U	
REG	Bromoform	5.7	UG/KG	U	U	
REG	Bromomethane	11.5	UG/KG	U	U	
REG	Carbon Disulfide	5.7	UG/KG	U	U	
REG	Carbon Tetrachloride	5.7	UG/KG	U	U	
REG	Chlorobenzene	5.7	UG/KG	U	U	
REG	Chloroethane	11.5	UG/KG	U	U	
REG	Chloroform	5.7	UG/KG	U	U	
REG	Chloromethane	11.5	UG/KG	U	U	
REG	Dibromochloromethane	5.7	UG/KG	U	U	
REG	Ethylbenzene	5.7	UG/KG	U	U	
REG	Methylene Chloride	5.7	UG/KG	JB	UJ	C05,F01,F06
REG	Styrene	0.67	UG/KG	J	J	G01
REG	Tetrachloroethene	5.7	UG/KG	U	U	
REG	Toluene	0.39	UG/KG	J	J	G01
REG	Trichloroethene	5.7	UG/KG	U	U	
REG	Vinyl Chloride	11.5	UG/KG	U	U	

375

Location: SWMU-1
Station: SC-M13 SC-M13

011312

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Xylenes, Total	5.7	UG/KG	U	U	

012311

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	5.48	MG/L	=		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	45.5	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	3.2	UG/L	B	U	F01,F06
REG	Iron	76.5	UG/L	=		
REG	Lead	0.18	UG/L	B*	U	F06
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	0.4	UG/L	U	U	
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	1,2,4-Trichlorobenzene	10	UG/L	U	UJ	A01
REA	1,2-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,3-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,4-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	2,2'-oxybis (1-chloropropane)	10	UG/L	U	UJ	A01
REA	2,4,5-Trichlorophenol	25	UG/L	U	UJ	A01
REA	2,4,6-Trichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dimethylphenol	10	UG/L	U	UJ	A01
REA	2,4-Dinitrophenol	25	UG/L	U	UJ	A01
REA	2,4-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2,6-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2-Chloronaphthalene	0.2	UG/L	U	UJ	A01
REA	2-Chlorophenol	10	UG/L	U	UJ	A01
REA	2-Methylnaphthalene	10	UG/L	U	UJ	A01
REA	2-Methylphenol	10	UG/L	U	UJ	A01

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M13

SC-M13

012311

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	2-Nitroaniline	25	UG/L	U	UJ	A01
REA	2-Nitrophenol	10	UG/L	U	UJ	A01
REA	3,3'-Dichlorobenzidine	20	UG/L	U	UJ	A01
REA	3-Nitroaniline	25	UG/L	U	UJ	A01
REA	4,6-Dinitro-o-Cresol	25	UG/L	U	UJ	A01
REA	4-Bromophenyl-phenyl Ether	10	UG/L	U	UJ	A01
REA	4-Chloroaniline	10	UG/L	U	UJ	A01
REA	4-Chlorophenyl-phenylether	10	UG/L	U	UJ	A01
REA	4-Methylphenol	10	UG/L	U	UJ	A01
REA	4-Nitroaniline	25	UG/L	U	UJ	A01
REA	4-Nitrophenol	25	UG/L	U	UJ	A01
REA	4-chloro-3-methylphenol	10	UG/L	U	UJ	A01
REA	Acenaphthene	0.2	UG/L	U	UJ	A01
REA	Acenaphthylene	0.2	UG/L	U	UJ	A01
REA	Anthracene	0.2	UG/L	U	UJ	A01
REA	Benzo(a)anthracene	0.2	UG/L	U	UJ	A01
REA	Benzo(a)pyrene	0.2	UG/L	U	UJ	A01
REA	Benzo(b)fluoranthene	0.2	UG/L	U	UJ	A01
REA	Benzo(g,h,i)perylene	0.2	UG/L	U	UJ	A01
REA	Benzo(k)fluoranthene	0.2	UG/L	U	UJ	A01
REA	Bis(2-chloroethoxy)methane	10	UG/L	U	UJ	A01
REA	Bis(2-chloroethyl)ether	10	UG/L	U	UJ	A01
REA	Bis(2-ethylhexyl)phthalate	10	UG/L	U	UJ	A01
REA	Butyl Benzyl Phthalate	10	UG/L	U	UJ	A01
REA	Carbazole	10	UG/L	U	UJ	A01,C05
REA	Chrysene	0.2	UG/L	U	UJ	A01
REA	Di-n-butyl Phthalate	10	UG/L	U	UJ	A01
REA	Di-n-octyl Phthalate	10	UG/L	U	UJ	A01
REA	Dibenzo(a,h)anthracene	0.2	UG/L	U	UJ	A01
REA	Dibenzofuran	10	UG/L	U	UJ	A01
REA	Diethyl Phthalate	10	UG/L	U	UJ	A01
REA	Dimethyl Phthalate	10	UG/L	U	UJ	A01
REA	Fluoranthene	0.2	UG/L	U	UJ	A01
REA	Fluorene	0.2	UG/L	U	UJ	A01
REA	Hexachlorobenzene	10	UG/L	U	UJ	A01
REA	Hexachlorobutadiene	10	UG/L	U	UJ	A01
REA	Hexachlorocyclopentadiene	10	UG/L	U	UJ	A01
REA	Hexachloroethane	10	UG/L	U	UJ	A01
REA	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	UJ	A01
REA	Isophorone	10	UG/L	U	UJ	A01
REA	N-Nitroso-di-n-propylamine	10	UG/L	U	UJ	A01
REA	N-Nitrosodiphenylamine	10	UG/L	U	UJ	A01
REA	Naphthalene	0.2	UG/L	U	UJ	A01
REA	Nitrobenzene	10	UG/L	U	UJ	A01
REA	Pentachlorophenol	25	UG/L	U	UJ	A01
REA	Phenanthrene	0.2	UG/L	U	UJ	A01
REA	Phenol	10	UG/L	U	UJ	A01
REA	Pyrene	10	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	UJ	G02
REG	2,4,6-Trichlorophenol	10	UG/L	U	UJ	G02
REG	2,4-Dichlorophenol	10	UG/L	U	UJ	G02
REG	2,4-Dimethylphenol	10	UG/L	U	UJ	G02
REG	2,4-Dinitrophenol	25	UG/L	U	UJ	G02
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	UJ	G02
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	UJ	G02
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	UJ	G02

Location: SWMU-1

Station: SC-M13

SC-M13

012311

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	UJ	G02
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	UJ	G02
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	UJ	G02
REG	4-chloro-3-methylphenol	10	UG/L	U	UJ	G02
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	UJ	G02
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	0.8	UG/L	J	J	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C05
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M13 SC-M13

012311 Field Sample Type: Grab Matrix: Groundwater Collected: 12/13/97

Sample Type	Volatilic Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	10	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	10	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Acetate	10	UG/L	U	UJ	C05	
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.631	PCI/L	J	J		0.49
REG	Radium-228	2.77	PCI/L		=		0.5

012321 Field Sample Type: Field Duplicate Matrix: Groundwater Collected: 12/13/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Sulfate	5.55	MG/L		=		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.6	UG/L	U	U		
REG	Barium	46.6	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	2.6	UG/L	B	U	F01,F06	
REG	Iron	96.2	UG/L		=		
REG	Lead	0.22	UG/L	B*	U	F06	
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	0.4	UG/L	U	U		
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	U		
REG	4,4'-DDE	0.04	UG/L	U	U		
REG	4,4'-DDT	0.04	UG/L	U	U		
REG	Aldrin	0.02	UG/L	U	U		
REG	Alpha Chlordane	0.02	UG/L	U	U		
REG	Alpha-BHC	0.02	UG/L	U	U		
REG	Aroclor-1016	0.1	UG/L	U	U		
REG	Aroclor-1221	0.1	UG/L	U	U		
REG	Aroclor-1232	0.1	UG/L	U	U		
REG	Aroclor-1242	0.1	UG/L	U	U		
REG	Aroclor-1248	0.1	UG/L	U	U		
REG	Aroclor-1254	0.1	UG/L	U	U		
REG	Aroclor-1260	0.1	UG/L	U	U		
REG	Beta-BHC	0.02	UG/L	U	U		
REG	Delta-BHC	0.02	UG/L	U	U		
REG	Dieldrin	0.04	UG/L	U	U		
REG	Endosulfan I	0.02	UG/L	U	U		
REG	Endosulfan II	0.04	UG/L	U	U		
REG	Endosulfan Sulfate	0.04	UG/L	U	U		
REG	Endrin	0.04	UG/L	U	U		
REG	Endrin Ketone	0.04	UG/L	U	U		
REG	Gamma Chlordane	0.02	UG/L	U	U		
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U		
REG	Heptachlor	0.02	UG/L	U	U		
REG	Heptachlor Epoxide	0.02	UG/L	U	U		
REG	Methoxychlor	0.2	UG/L	U	U		
REG	Toxaphene	0.99	UG/L	U	U		

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Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	0.86	UG/L	J	J	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M13 SC-M13

012321 Field Sample Type: Field Duplicate Matrix: Groundwater Collected: 12/13/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	0.84	UG/L	J	J		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	10	UG/L	U	U		
REG	2-Hexanone	10	UG/L	U	U		
REG	4-Methyl-2-pentanone	10	UG/L	U	U		
REG	Acetone	10	UG/L	U	UJ	C05	
REG	Benzene	2	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	10	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	10	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	10	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Acetate	10	UG/L	U	UJ	C05	
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.427	PCI/L	J	J		0.34
REG	Radium-228	1.92	PCI/L		=		0.58

Location: SWMU-1
Station : SC-M14 SC-M14

011411 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.15	MG/KG	B	U	F06	
REG	Barium	4.9	MG/KG	B	J		
REG	Cadmium	0.01	MG/KG	B	J		
REG	Chromium	0.62	MG/KG	B	J		
REG	Lead	1.9	MG/KG	E	J	E07	
REG	Mercury	0.01	MG/KG	B	J		
REG	Selenium	0.17	MG/KG	B	U	F06	
REG	Silver	0.01	MG/KG	B	U	F06	
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	1.3	UG/KG	U	U		
REG	4,4'-DDE	1.3	UG/KG	U	U		
REG	4,4'-DDT	1.3	UG/KG	U	UJ	C08	
REG	Aldrin	0.67	UG/KG	U	U		
REG	Alpha Chlordane	0.67	UG/KG	U	U		
REG	Alpha-BHC	0.67	UG/KG	U	U		
REG	Aroclor-1016	3.3	UG/KG	U	U		
REG	Aroclor-1221	3.3	UG/KG	U	U		
REG	Aroclor-1232	3.3	UG/KG	U	U		
REG	Aroclor-1242	3.3	UG/KG	U	U		
REG	Aroclor-1248	3.3	UG/KG	U	U		
REG	Aroclor-1254	3.3	UG/KG	U	U		
REG	Aroclor-1260	3.3	UG/KG	U	U		
REG	Beta-BHC	0.67	UG/KG	U	U		
REG	Delta-BHC	0.67	UG/KG	U	U		

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Location: SWMU-1

Station: SC-M14

SC-M14

011411

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dieldrin	1.3	UG/KG	U	U	
REG	Endosulfan I	0.67	UG/KG	U	U	
REG	Endosulfan II	1.3	UG/KG	U	U	
REG	Endosulfan Sulfate	1.3	UG/KG	U	U	
REG	Endrin	1.3	UG/KG	U	U	
REG	Endrin Ketone	1.3	UG/KG	U	U	
REG	Gamma Chlordane	0.67	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.67	UG/KG	U	U	
REG	Heptachlor	0.67	UG/KG	U	U	
REG	Heptachlor Epoxide	0.67	UG/KG	U	U	
REG	Methoxychlor	6.7	UG/KG	U	UJ	C08
REG	Toxaphene	33.3	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	431	UG/KG	U	U	
REG	1,2-Dichlorobenzene	431	UG/KG	U	U	
REG	1,3-Dichlorobenzene	431	UG/KG	U	U	
REG	1,4-Dichlorobenzene	431	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	431	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	431	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	431	UG/KG	U	U	
REG	2,4-Dichlorophenol	431	UG/KG	U	U	
REG	2,4-Dimethylphenol	431	UG/KG	U	U	
REG	2,4-Dinitrophenol	863	UG/KG	U	U	
REG	2,4-Dinitrotoluene	431	UG/KG	U	U	
REG	2,6-Dinitrotoluene	431	UG/KG	U	U	
REG	2-Chloronaphthalene	431	UG/KG	U	U	
REG	2-Chlorophenol	431	UG/KG	U	U	
REG	2-Methylnaphthalene	431	UG/KG	U	U	
REG	2-Methylphenol	431	UG/KG	U	U	
REG	2-Nitroaniline	431	UG/KG	U	U	
REG	2-Nitrophenol	431	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	2160	UG/KG	U	U	
REG	3-Nitroaniline	431	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	863	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	431	UG/KG	U	U	
REG	4-Chloroaniline	431	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	431	UG/KG	U	U	
REG	4-Methylphenol	431	UG/KG	U	U	
REG	4-Nitroaniline	431	UG/KG	U	U	
REG	4-Nitrophenol	863	UG/KG	U	U	
REG	4-chloro-3-methylphenol	431	UG/KG	U	U	
REG	Acenaphthene	431	UG/KG	U	U	
REG	Acenaphthylene	431	UG/KG	U	U	
REG	Anthracene	431	UG/KG	U	U	
REG	Benzo(a)anthracene	431	UG/KG	U	U	
REG	Benzo(a)pyrene	431	UG/KG	U	U	
REG	Benzo(b)fluoranthene	431	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	431	UG/KG	U	U	
REG	Benzo(k)fluoranthene	431	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	431	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	431	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	431	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	431	UG/KG	U	U	
REG	Carbazole	431	UG/KG	U	U	
REG	Chrysene	431	UG/KG	U	U	
REG	Di-n-butyl Phthalate	431	UG/KG	U	U	
REG	Di-n-octyl Phthalate	431	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	431	UG/KG	U	U	
REG	Dibenzofuran	431	UG/KG	U	U	
REG	Diethyl Phthalate	431	UG/KG	U	U	
REG	Dimethyl Phthalate	431	UG/KG	U	U	
REG	Fluoranthene	431	UG/KG	U	U	
REG	Fluorene	431	UG/KG	U	U	
REG	Hexachlorobenzene	431	UG/KG	U	U	
REG	Hexachlorobutadiene	431	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	431	UG/KG	U	U	
REG	Hexachloroethane	431	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M14 SC-M14

011411 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Indeno(1,2,3-cd)pyrene	431	UG/KG	U	U	
REG	Isophorone	431	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	431	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	431	UG/KG	U	U	
REG	Naphthalene	431	UG/KG	U	U	
REG	Nitrobenzene	431	UG/KG	U	U	
REG	Pentachlorophenol	431	UG/KG	U	U	
REG	Phenanthrene	431	UG/KG	U	U	
REG	Phenol	431	UG/KG	U	U	
REG	Pyrene	431	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	6.6	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.6	UG/KG	U	R	K02
REG	1,1,2-Trichloroethane	6.6	UG/KG	U	U	
REG	1,1-Dichloroethane	6.6	UG/KG	U	UJ	K01
REG	1,1-Dichloroethene	6.6	UG/KG	U	UJ	K01
REG	1,2-Dichloroethane	6.6	UG/KG	U	UJ	K01
REG	1,2-Dichloroethene	6.6	UG/KG	U	UJ	K01
REG	1,2-Dichloropropane	6.6	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.6	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.6	UG/KG	U	U	
REG	2-Butanone	13.2	UG/KG	U	UJ	K01
REG	2-Hexanone	13.2	UG/KG	U	R	K02
REG	4-Methyl-2-pentanone	13.2	UG/KG	U	R	K02
REG	Acetone	13.2	UG/KG	U	UJ	K01
REG	Benzene	6.6	UG/KG	U	U	
REG	Bromodichloromethane	6.6	UG/KG	U	U	
REG	Bromoform	6.6	UG/KG	U	U	
REG	Bromomethane	13.2	UG/KG	U	UJ	K01
REG	Carbon Disulfide	6.6	UG/KG	U	UJ	K01
REG	Carbon Tetrachloride	6.6	UG/KG	U	U	
REG	Chlorobenzene	6.6	UG/KG	U	R	K02
REG	Chloroethane	13.2	UG/KG	U	UJ	K01
REG	Chloroform	6.6	UG/KG	U	UJ	K01
REG	Chloromethane	13.2	UG/KG	U	UJ	K01
REG	Dibromochloromethane	6.6	UG/KG	U	U	
REG	Ethylbenzene	6.6	UG/KG	U	R	K02
REG	Methylene Chloride	3.9	UG/KG	J	J	G01,K01
REG	Styrene	6.6	UG/KG	U	R	K02
REG	Tetrachloroethene	6.6	UG/KG	U	R	K02
REG	Toluene	6.6	UG/KG	U	R	K02
REG	Trichloroethene	6.6	UG/KG	U	U	
REG	Vinyl Chloride	13.2	UG/KG	U	UJ	K01
REG	Xylenes, Total	6.6	UG/KG	U	R	K02
TIC REG	3.900 2,2,5-Trimethylhexane	3.9	UG/KG	NJ		

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.407	PCI/G	J	J		0.128
REG	Radium-228	0.346	PCI/G	U	U		0.202

011412 5.0 - 7.5 FT Field Sample Type: Grab Matrix: Soil Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.05	MG/KG	B	U	F06
REG	Barium	14.3	MG/KG	B	J	
REG	Cadmium	0.02	MG/KG	B	J	
REG	Chromium	3.4	MG/KG		=	
REG	Lead	2.7	MG/KG	E	J	E07
REG	Mercury	0.01	MG/KG	B	J	
REG	Selenium	0.02	MG/KG	U	U	
REG	Silver	0.01	MG/KG	B	U	F06

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
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Location: SWMU-1
Station: SC-M14

SC-M14

011412

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.3	UG/KG	U	U	
REG	4,4'-DDE	1.3	UG/KG	U	U	
REG	4,4'-DDT	1.3	UG/KG	U	UJ	C08
REG	Aldrin	0.67	UG/KG	U	U	
REG	Alpha Chlordane	0.67	UG/KG	U	U	
REG	Alpha-BHC	0.67	UG/KG	U	U	
REG	Aroclor-1016	3.3	UG/KG	U	U	
REG	Aroclor-1221	3.3	UG/KG	U	U	
REG	Aroclor-1232	3.3	UG/KG	U	U	
REG	Aroclor-1242	3.3	UG/KG	U	U	
REG	Aroclor-1248	3.3	UG/KG	U	U	
REG	Aroclor-1254	3.3	UG/KG	U	U	
REG	Aroclor-1260	3.3	UG/KG	U	U	
REG	Beta-BHC	0.67	UG/KG	U	U	
REG	Delta-BHC	0.67	UG/KG	U	U	
REG	Dieldrin	1.3	UG/KG	U	U	
REG	Endosulfan I	0.67	UG/KG	U	U	
REG	Endosulfan II	1.3	UG/KG	U	U	
REG	Endosulfan Sulfate	1.3	UG/KG	U	U	
REG	Endrin	1.3	UG/KG	U	U	
REG	Endrin Ketone	1.3	UG/KG	U	U	
REG	Gamma Chlordane	0.67	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.67	UG/KG	U	U	
REG	Heptachlor	0.67	UG/KG	U	U	
REG	Heptachlor Epoxide	0.67	UG/KG	U	U	
REG	Methoxychlor	6.7	UG/KG	U	UJ	C08
REG	Toxaphene	33.3	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	372	UG/KG	U	U	
REG	1,2-Dichlorobenzene	372	UG/KG	U	U	
REG	1,3-Dichlorobenzene	372	UG/KG	U	U	
REG	1,4-Dichlorobenzene	372	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	372	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	372	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	372	UG/KG	U	U	
REG	2,4-Dichlorophenol	372	UG/KG	U	U	
REG	2,4-Dimethylphenol	372	UG/KG	U	U	
REG	2,4-Dinitrophenol	745	UG/KG	U	U	
REG	2,4-Dinitrotoluene	372	UG/KG	U	U	
REG	2,6-Dinitrotoluene	372	UG/KG	U	U	
REG	2-Chloronaphthalene	372	UG/KG	U	U	
REG	2-Chlorophenol	372	UG/KG	U	U	
REG	2-Methylnaphthalene	372	UG/KG	U	U	
REG	2-Methylphenol	372	UG/KG	U	U	
REG	2-Nitroaniline	372	UG/KG	U	U	
REG	2-Nitrophenol	372	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1860	UG/KG	U	U	
REG	3-Nitroaniline	372	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	745	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	372	UG/KG	U	U	
REG	4-Chloroaniline	372	UG/KG	U	UJ	C05
REG	4-Chlorophenyl-phenylether	372	UG/KG	U	U	
REG	4-Methylphenol	372	UG/KG	U	U	
REG	4-Nitroaniline	372	UG/KG	U	UJ	C05
REG	4-Nitrophenol	745	UG/KG	U	U	
REG	4-chloro-3-methylphenol	372	UG/KG	U	U	
REG	Acenaphthene	372	UG/KG	U	U	
REG	Acenaphthylene	372	UG/KG	U	U	
REG	Anthracene	372	UG/KG	U	U	
REG	Benzo(a)anthracene	372	UG/KG	U	U	
REG	Benzo(a)pyrene	372	UG/KG	U	U	
REG	Benzo(b)fluoranthene	372	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	372	UG/KG	U	U	
REG	Benzo(k)fluoranthene	372	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	372	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	372	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	372	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M14 SC-M14

011412

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Butyl Benzyl Phthalate	372	UG/KG	U	U	C05
REG	Carbazole	372	UG/KG	U	UJ	
REG	Chrysene	372	UG/KG	U	U	
REG	Di-n-butyl Phthalate	372	UG/KG	U	U	
REG	Di-n-octyl Phthalate	372	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	372	UG/KG	U	U	
REG	Dibenzofuran	372	UG/KG	U	U	
REG	Diethyl Phthalate	372	UG/KG	U	U	
REG	Dimethyl Phthalate	372	UG/KG	U	U	
REG	Fluoranthene	372	UG/KG	U	U	
REG	Fluorene	372	UG/KG	U	U	
REG	Hexachlorobenzene	372	UG/KG	U	U	
REG	Hexachlorobutadiene	372	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	372	UG/KG	U	U	
REG	Hexachloroethane	372	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	372	UG/KG	U	U	
REG	Isophorone	372	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	372	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	372	UG/KG	U	U	
REG	Naphthalene	372	UG/KG	U	U	
REG	Nitrobenzene	372	UG/KG	U	U	
REG	Pentachlorophenol	372	UG/KG	U	U	
REG	Phenanthrene	372	UG/KG	U	U	
REG	Phenol	372	UG/KG	U	U	
REG	Pyrene	372	UG/KG	U	U	
TIC REG	1490. Benzene	1490	UG/KG	NJ		

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.7	UG/KG	U	U	F01,F06
REG	1,1,2,2-Tetrachloroethane	5.7	UG/KG	U	U	
REG	1,1,2-Trichloroethane	5.7	UG/KG	U	U	
REG	1,1-Dichloroethane	5.7	UG/KG	U	U	
REG	1,1-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-Dichloroethane	5.7	UG/KG	U	U	
REG	1,2-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-Dichloropropane	5.7	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.7	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5.7	UG/KG	U	U	
REG	2-Butanone	11.4	UG/KG	U	U	
REG	2-Hexanone	11.4	UG/KG	U	U	
REG	4-Methyl-2-pentanone	11.4	UG/KG	U	U	
REG	Acetone	22	UG/KG		=	
REG	Benzene	5.7	UG/KG	U	U	
REG	Bromodichloromethane	5.7	UG/KG	U	U	
REG	Bromoform	5.7	UG/KG	U	U	
REG	Bromomethane	11.4	UG/KG	U	U	
REG	Carbon Disulfide	5.7	UG/KG	U	U	
REG	Carbon Tetrachloride	5.7	UG/KG	U	U	
REG	Chlorobenzene	5.7	UG/KG	U	U	
REG	Chloroethane	11.4	UG/KG	U	U	
REG	Chloroform	5.7	UG/KG	U	U	
REG	Chloromethane	11.4	UG/KG	U	U	
REG	Dibromochloromethane	5.7	UG/KG	U	U	
REG	Ethylbenzene	5.7	UG/KG	U	U	
REG	Methylene Chloride	5.7	UG/KG	J	U	
REG	Styrene	5.7	UG/KG	U	U	
REG	Tetrachloroethene	5.7	UG/KG	U	U	
REG	Toluene	5.7	UG/KG	U	U	
REG	Trichloroethene	5.7	UG/KG	U	U	
REG	Vinyl Chloride	11.4	UG/KG	U	U	
REG	Xylenes, Total	5.7	UG/KG	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.491	PCI/G	J	J		0.136
REG	Radium-228	0.782	PCI/G	J	J		0.190

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Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	10.8	MG/L	=		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.72	UG/L	B	J	
REG	Barium	32.6	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	4.9	UG/L	B	U	F06
REG	Iron	1400	UG/L	=		
REG	Lead	0.82	UG/L	B	J	
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	2.1	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.041	UG/L	U	UJ	G02
REG	4,4'-DDE	0.041	UG/L	U	UJ	G02
REG	4,4'-DDT	0.041	UG/L	U	UJ	G02
REG	Aldrin	0.02	UG/L	U	UJ	G02
REG	Alpha Chlordane	0.02	UG/L	U	UJ	G02
REG	Alpha-BHC	0.02	UG/L	U	UJ	G02
REG	Aroclor-1016	0.1	UG/L	U	UJ	G02
REG	Aroclor-1221	0.1	UG/L	U	UJ	G02
REG	Aroclor-1232	0.1	UG/L	U	UJ	G02
REG	Aroclor-1242	0.1	UG/L	U	UJ	G02
REG	Aroclor-1248	0.1	UG/L	U	UJ	G02
REG	Aroclor-1254	0.1	UG/L	U	UJ	G02
REG	Aroclor-1260	0.1	UG/L	U	UJ	G02
REG	Beta-BHC	0.02	UG/L	U	UJ	G02
REG	Delta-BHC	0.02	UG/L	U	UJ	G02
REG	Dieldrin	0.041	UG/L	U	UJ	G02
REG	Endosulfan I	0.02	UG/L	U	UJ	G02
REG	Endosulfan II	0.041	UG/L	U	UJ	G02
REG	Endosulfan Sulfate	0.041	UG/L	U	UJ	G02
REG	Endrin	0.041	UG/L	U	U	G02
REG	Endrin Ketone	0.041	UG/L	U	UJ	G02
REG	Gamma Chlordane	0.02	UG/L	U	UJ	G02
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	UJ	G02
REG	Heptachlor	0.02	UG/L	U	UJ	G02
REG	Heptachlor Epoxide	0.02	UG/L	U	UJ	G02
REG	Methoxychlor	0.2	UG/L	U	UJ	G02
REG	Toxaphene	1	UG/L	U	UJ	G02,C08
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	9.8	UG/L	U	U	
REG	1,2-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,3-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,4-Dichlorobenzene	9.8	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	9.8	UG/L	U	U	
REG	2,4,5-Trichlorophenol	24.5	UG/L	U	UJ	G02
REG	2,4,6-Trichlorophenol	9.8	UG/L	U	UJ	G02
REG	2,4-Dichlorophenol	9.8	UG/L	U	UJ	G02
REG	2,4-Dimethylphenol	9.8	UG/L	U	U	
REG	2,4-Dinitrophenol	24.5	UG/L	U	UJ	G02
REG	2,4-Dinitrotoluene	9.8	UG/L	U	U	
REG	2,6-Dinitrotoluene	9.8	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	9.8	UG/L	U	UJ	G02
REG	2-Methylnaphthalene	9.8	UG/L	U	U	
REG	2-Methylphenol	9.8	UG/L	U	UJ	G02
REG	2-Nitroaniline	24.5	UG/L	U	U	
REG	2-Nitrophenol	9.8	UG/L	U	UJ	G02
REG	3,3'-Dichlorobenzidine	19.6	UG/L	U	U	
REG	3-Nitroaniline	24.5	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	24.5	UG/L	U	UJ	G02
REG	4-Bromophenyl-phenyl Ether	9.8	UG/L	U	U	
REG	4-Chloroaniline	9.8	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	9.8	UG/L	U	U	
REG	4-Methylphenol	9.8	UG/L	U	UJ	G02

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M14 SC-M14

012411

Field Sample Type: Grab Matrix: Groundwater

Collected: 12/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Nitroaniline	24.5	UG/L	U	UJ	C05
REG	4-Nitrophenol	24.5	UG/L	U	UJ	C05,G02
REG	4-chloro-3-methylphenol	9.8	UG/L	U	UJ	G02
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	9.8	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	2.4	UG/L	J	J	
REG	Butyl Benzyl Phthalate	9.8	UG/L	U	U	
REG	Carbazole	9.8	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	9.8	UG/L	U	U	
REG	Di-n-octyl Phthalate	9.8	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	9.8	UG/L	U	U	
REG	Diethyl Phthalate	9.8	UG/L	U	U	
REG	Dimethyl Phthalate	9.8	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	9.8	UG/L	U	U	
REG	Hexachlorobutadiene	9.8	UG/L	U	U	
REG	Hexachlorocyclopentadiene	9.8	UG/L	U	U	
REG	Hexachloroethane	9.8	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	9.8	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U	
REG	N-Nitrosodiphenylamine	9.8	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	9.8	UG/L	U	U	
REG	Pentachlorophenol	24.5	UG/L	U	UJ	G02
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	9.8	UG/L	U	UJ	G02
REG	Pyrene	9.8	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	UJ	C05
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	UJ	C05
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	UJ	C05
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	

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Location: SWMU-1
Station: SC-M14 SC-M14

012411

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/15/97

Sample Type	Volatilic Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.225	PCI/L	U	U		0.328
REG	Radium-228	2.96	PCI/L		=		0.501

Location: SWMU-1
Station: SC-M15 SC-M15

011511

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.14	MG/KG	U	U		
REG	Barium	10.2	MG/KG	B	J		
REG	Cadmium	0.05	MG/KG	U	U		
REG	Chromium	0.33	MG/KG	B	R	F06,F10	
REG	Lead	2.4	MG/KG	*	=		
REG	Mercury	0.02	MG/KG	B	J		
REG	Selenium	0.25	MG/KG	B	UJ	F01,F06,P02	
REG	Silver	0.02	MG/KG	U	U		

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	1.7	UG/KG	U	UJ	G02	
REG	4,4'-DDE	1.7	UG/KG	U	UJ	G02	
REG	4,4'-DDT	1.7	UG/KG	U	UJ	G02	
REG	Aldrin	0.85	UG/KG	U	UJ	G02	
REG	Alpha Chlordane	0.85	UG/KG	U	UJ	G02	
REG	Alpha-BHC	0.85	UG/KG	U	UJ	G02	
REG	Aroclor-1016	4.2	UG/KG	U	UJ	G02	
REG	Aroclor-1221	4.2	UG/KG	U	UJ	G02	
REG	Aroclor-1232	4.2	UG/KG	U	UJ	G02	
REG	Aroclor-1242	4.2	UG/KG	U	UJ	G02	
REG	Aroclor-1248	4.2	UG/KG	U	UJ	G02	
REG	Aroclor-1254	4.2	UG/KG	U	UJ	G02	
REG	Aroclor-1260	4.2	UG/KG	U	UJ	G02	
REG	Beta-BHC	0.85	UG/KG	U	UJ	G02	
REG	Delta-BHC	0.85	UG/KG	U	UJ	G02	
REG	Dieldrin	1.7	UG/KG	U	UJ	G02	
REG	Endosulfan I	0.85	UG/KG	U	UJ	G02	
REG	Endosulfan II	1.7	UG/KG	U	UJ	G02	
REG	Endosulfan Sulfate	1.7	UG/KG	U	UJ	G02	
REG	Endrin	1.7	UG/KG	U	UJ	G02	
REG	Endrin Ketone	1.7	UG/KG	U	UJ	G02	
REG	Gamma Chlordane	0.85	UG/KG	U	UJ	G02	
REG	Gamma-BHC (Lindane)	0.85	UG/KG	U	UJ	G02	
REG	Heptachlor	0.85	UG/KG	U	UJ	G02	
REG	Heptachlor Epoxide	0.85	UG/KG	U	UJ	G02	
REG	Methoxychlor	8.5	UG/KG	U	UJ	G02	
REG	Toxaphene	42.4	UG/KG	U	UJ	G02	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	3.2	UG/KG	J	J		
REG	1,2-Dichlorobenzene	424	UG/KG	U	U		
REG	1,3-Dichlorobenzene	424	UG/KG	U	U		
REG	1,4-Dichlorobenzene	424	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	424	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	1060	UG/KG	U	U		

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M15 SC-M15

011511

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4,6-Trichlorophenol	424	UG/KG	U	U	
REG	2,4-Dichlorophenol	424	UG/KG	U	U	
REG	2,4-Dimethylphenol	424	UG/KG	U	U	
REG	2,4-Dinitrophenol	1060	UG/KG	U	U	
REG	2,4-Dinitrotoluene	424	UG/KG	U	U	
REG	2,6-Dinitrotoluene	424	UG/KG	U	U	
REG	2-Chloronaphthalene	424	UG/KG	U	U	
REG	2-Chlorophenol	424	UG/KG	U	U	
REG	2-Methylnaphthalene	424	UG/KG	U	U	
REG	2-Methylphenol	424	UG/KG	U	U	
REG	2-Nitroaniline	1060	UG/KG	U	U	
REG	2-Nitrophenol	424	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	849	UG/KG	U	U	
REG	3-Nitroaniline	1060	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	1060	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	424	UG/KG	U	U	
REG	4-Chloroaniline	424	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	424	UG/KG	U	U	
REG	4-Methylphenol	424	UG/KG	U	U	
REG	4-Nitroaniline	1060	UG/KG	U	U	
REG	4-Nitrophenol	1060	UG/KG	U	U	
REG	4-chloro-3-methylphenol	424	UG/KG	U	U	
REG	Acenaphthene	424	UG/KG	U	U	
REG	Acenaphthylene	424	UG/KG	U	U	
REG	Anthracene	424	UG/KG	U	U	
REG	Benzo(a)anthracene	424	UG/KG	U	U	
REG	Benzo(a)pyrene	424	UG/KG	U	U	
REG	Benzo(b)fluoranthene	424	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	424	UG/KG	U	U	
REG	Benzo(k)fluoranthene	424	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	424	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	424	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	424	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	424	UG/KG	U	U	
REG	Carbazole	424	UG/KG	U	UJ	C05
REG	Chrysene	424	UG/KG	U	U	
REG	Di-n-butyl Phthalate	424	UG/KG	U	U	
REG	Di-n-octyl Phthalate	424	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	424	UG/KG	U	U	
REG	Dibenzofuran	424	UG/KG	U	U	
REG	Diethyl Phthalate	424	UG/KG	U	U	
REG	Dimethyl Phthalate	424	UG/KG	U	U	
REG	Fluoranthene	424	UG/KG	U	U	
REG	Fluorene	424	UG/KG	U	U	
REG	Hexachlorobenzene	424	UG/KG	U	U	
REG	Hexachlorobutadiene	424	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	424	UG/KG	U	U	
REG	Hexachloroethane	424	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	424	UG/KG	U	U	
REG	Isophorone	424	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	424	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	424	UG/KG	U	U	
REG	Naphthalene	424	UG/KG	U	U	
REG	Nitrobenzene	424	UG/KG	U	U	
REG	Pentachlorophenol	1060	UG/KG	U	U	
REG	Phenanthrene	424	UG/KG	U	U	
REG	Phenol	424	UG/KG	U	U	
REG	Pyrene	424	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	6.4	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.4	UG/KG	U	UJ	K01
REG	1,1,2-Trichloroethane	6.4	UG/KG	U	U	
REG	1,1-Dichloroethane	6.4	UG/KG	U	UJ	K01
REG	1,1-Dichloroethene	6.4	UG/KG	U	UJ	K01
REG	1,2-Dichloroethane	6.4	UG/KG	U	UJ	K01
REG	1,2-Dichloropropane	6.4	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	6.4	UG/KG	U	U	

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Location: SWMU-1

Station: SC-M15

SC-M15

011511

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2-trans-Dichloroethene	6.4	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.4	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.4	UG/KG	U	U	
REG	2-Butanone	12.8	UG/KG	U	UJ	K01
REG	2-Hexanone	12.8	UG/KG	U	UJ	K01
REG	4-Methyl-2-pentanone	12.8	UG/KG	U	UJ	K01
REG	Acetone	12.8	UG/KG	U	UJ	K01
REG	Benzene	6.4	UG/KG	U	U	
REG	Bromodichloromethane	6.4	UG/KG	U	U	
REG	Bromoform	6.4	UG/KG	U	U	
REG	Bromomethane	12.8	UG/KG	U	UJ	K01
REG	Carbon Disulfide	6.4	UG/KG	U	UJ	K01
REG	Carbon Tetrachloride	6.4	UG/KG	U	U	
REG	Chlorobenzene	6.4	UG/KG	U	UJ	K01
REG	Chloroethane	12.8	UG/KG	U	UJ	K01
REG	Chloroform	6.4	UG/KG	U	UJ	K01
REG	Chloromethane	12.8	UG/KG	U	UJ	K01
REG	Dibromochloromethane	6.4	UG/KG	U	U	
REG	Ethylbenzene	6.4	UG/KG	U	UJ	K01
REG	Methylene Chloride	8.7	UG/KG		UJ	F01,F07,K01
REG	Styrene	6.4	UG/KG	U	UJ	K01
REG	Tetrachloroethene	6.4	UG/KG	U	UJ	K01
REG	Toluene	6.4	UG/KG	U	UJ	K01
REG	Trichloroethene	6.4	UG/KG	U	U	
REG	Vinyl Chloride	12.8	UG/KG	U	UJ	K01
REG	Xylenes, Total	6.4	UG/KG	U	UJ	K01
TIC REG	4.300 Benzene	4.3	UG/KG	NJ		

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.626	PCI/G	J	J		0.133
REG	Radium-228	0.561	PCI/G	J	J		0.240

011512

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.13	MG/KG	U	U	
REG	Barium	6.4	MG/KG	B	J	
REG	Cadmium	0.04	MG/KG	U	U	
REG	Chromium	0.81	MG/KG	B	J	F10
REG	Lead	2.7	MG/KG	*	=	
REG	Mercury	0.01	MG/KG	U	U	
REG	Selenium	0.28	MG/KG	B	UJ	F01,F06,P02
REG	Silver	0.01	MG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.5	UG/KG	U	U	
REG	4,4'-DDE	1.5	UG/KG	U	U	
REG	4,4'-DDT	1.5	UG/KG	U	U	
REG	Aldrin	0.74	UG/KG	U	U	
REG	Alpha Chlordane	0.74	UG/KG	U	U	
REG	Alpha-BHC	0.74	UG/KG	U	U	
REG	Aroclor-1016	3.7	UG/KG	U	U	
REG	Aroclor-1221	3.7	UG/KG	U	U	
REG	Aroclor-1232	3.7	UG/KG	U	U	
REG	Aroclor-1242	3.7	UG/KG	U	U	
REG	Aroclor-1248	3.7	UG/KG	U	U	
REG	Aroclor-1254	3.7	UG/KG	U	U	
REG	Aroclor-1260	3.7	UG/KG	U	U	
REG	Beta-BHC	0.74	UG/KG	U	U	
REG	Delta-BHC	0.74	UG/KG	U	U	
REG	Dieldrin	1.5	UG/KG	U	U	
REG	Endosulfan I	0.74	UG/KG	U	U	
REG	Endosulfan II	1.5	UG/KG	U	U	
REG	Endosulfan Sulfate	1.5	UG/KG	U	U	
REG	Endrin	1.5	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M15

SC-M15

011512

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Endrin Ketone	1.5	UG/KG	U	U	
REG	Gamma Chlordane	0.74	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.74	UG/KG	U	U	
REG	Heptachlor	0.74	UG/KG	U	U	
REG	Heptachlor Epoxide	0.74	UG/KG	U	U	
REG	Methoxychlor	7.4	UG/KG	U	U	
REG	Toxaphene	37.1	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	374	UG/KG	U	U	
REG	1,2-Dichlorobenzene	374	UG/KG	U	U	
REG	1,3-Dichlorobenzene	374	UG/KG	U	U	
REG	1,4-Dichlorobenzene	374	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	374	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	934	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	374	UG/KG	U	U	
REG	2,4-Dichlorophenol	374	UG/KG	U	U	
REG	2,4-Dimethylphenol	374	UG/KG	U	U	
REG	2,4-Dinitrophenol	934	UG/KG	U	U	
REG	2,4-Dinitrotoluene	374	UG/KG	U	U	
REG	2,6-Dinitrotoluene	374	UG/KG	U	U	
REG	2-Chloronaphthalene	374	UG/KG	U	U	
REG	2-Chlorophenol	374	UG/KG	U	U	
REG	2-Methylnaphthalene	374	UG/KG	U	U	
REG	2-Methylphenol	374	UG/KG	U	U	
REG	2-Nitroaniline	934	UG/KG	U	U	
REG	2-Nitrophenol	374	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	748	UG/KG	U	U	
REG	3-Nitroaniline	934	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	934	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	374	UG/KG	U	U	
REG	4-Chloroaniline	374	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	374	UG/KG	U	U	
REG	4-Methylphenol	374	UG/KG	U	U	
REG	4-Nitroaniline	934	UG/KG	U	U	
REG	4-Nitrophenol	934	UG/KG	U	U	
REG	4-chloro-3-methylphenol	374	UG/KG	U	U	
REG	Acenaphthene	374	UG/KG	U	U	
REG	Acenaphthylene	374	UG/KG	U	U	
REG	Anthracene	374	UG/KG	U	U	
REG	Benzo(a)anthracene	374	UG/KG	U	U	
REG	Benzo(a)pyrene	374	UG/KG	U	U	
REG	Benzo(b)fluoranthene	374	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	374	UG/KG	U	U	
REG	Benzo(k)fluoranthene	374	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	374	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	374	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	374	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	374	UG/KG	U	U	
REG	Carbazole	374	UG/KG	U	UJ	C05
REG	Chrysene	374	UG/KG	U	U	
REG	Di-n-butyl Phthalate	374	UG/KG	U	U	
REG	Di-n-octyl Phthalate	374	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	374	UG/KG	U	U	
REG	Dibenzofuran	374	UG/KG	U	U	
REG	Diethyl Phthalate	374	UG/KG	U	U	
REG	Dimethyl Phthalate	374	UG/KG	U	U	
REG	Fluoranthene	374	UG/KG	U	U	
REG	Fluorene	374	UG/KG	U	U	
REG	Hexachlorobenzene	374	UG/KG	U	U	
REG	Hexachlorobutadiene	374	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	374	UG/KG	U	U	
REG	Hexachloroethane	374	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	374	UG/KG	U	U	
REG	Isophorone	374	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	374	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	374	UG/KG	U	U	
REG	Naphthalene	374	UG/KG	U	U	

Location: SWMU-1

Station: SC-M15

SC-M15

011512

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nitrobenzene	374	UG/KG	U	U	
REG	Pentachlorophenol	934	UG/KG	U	U	
REG	Phenanthrene	374	UG/KG	U	U	
REG	Phenol	374	UG/KG	U	U	
REG	Pyrene	2.5	UG/KG	J	J	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.7	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	5.7	UG/KG	U	U	
REG	1,1,2-Trichloroethane	5.7	UG/KG	U	U	
REG	1,1-Dichloroethane	5.7	UG/KG	U	U	
REG	1,1-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-Dichloroethane	5.7	UG/KG	U	U	
REG	1,2-Dichloropropane	5.7	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	5.7	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.7	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5.7	UG/KG	U	U	
REG	2-Butanone	11.4	UG/KG	U	U	
REG	2-Hexanone	11.4	UG/KG	U	U	
REG	4-Methyl-2-pentanone	11.4	UG/KG	U	U	
REG	Acetone	11.4	UG/KG	U	U	
REG	Benzene	5.7	UG/KG	U	U	
REG	Bromodichloromethane	5.7	UG/KG	U	U	
REG	Bromoform	5.7	UG/KG	U	U	
REG	Bromomethane	11.4	UG/KG	U	U	
REG	Carbon Disulfide	5.7	UG/KG	U	U	
REG	Carbon Tetrachloride	5.7	UG/KG	U	U	
REG	Chlorobenzene	5.7	UG/KG	U	U	
REG	Chloroethane	11.4	UG/KG	U	U	
REG	Chloroform	5.7	UG/KG	U	U	
REG	Chloromethane	11.4	UG/KG	U	U	
REG	Dibromochloromethane	5.7	UG/KG	U	U	
REG	Ethylbenzene	5.7	UG/KG	U	U	
REG	Methylene Chloride	5.7	UG/KG	J	U	F01,F06
REG	Styrene	5.7	UG/KG	U	U	
REG	Tetrachloroethene	5.7	UG/KG	U	U	
REG	Toluene	0.36	UG/KG	J	J	
REG	Trichloroethene	5.7	UG/KG	U	U	
REG	Vinyl Chloride	11.4	UG/KG	U	U	
REG	Xylenes, Total	5.7	UG/KG	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.548	PCI/G	J	J		0.148
REG	Radium-228	0.826	PCI/G	J	J		0.243

012511

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/31/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	2.75	MG/L		=	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	38.5	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	3.5	UG/L	B	U	F01,F06
REG	Iron	1630	UG/L		=	
REG	Lead	1.1	UG/L	*	J	J01,J02
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	0.79	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Ft. Stewart - SWMU 1

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	

393

Location: SWMU-1

Station: SC-M15

SC-M15

012511

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/31/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C05
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	C05
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.738	PCI/L	U	U		0.68
REG	Radium-228	1.33	PCI/L		=		0.42

012521

Field Sample Type: Field Duplicate

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
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Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M15 SC-M15

012521

Field Sample Type: Field Duplicate

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	2.75	MG/L	=		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	28.8	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	0.6	UG/L	U	U	
REG	Iron	2890	UG/L		=	
REG	Lead	0.07	UG/L	B	J	
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	0.4	UG/L	U	R	F10
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	

Location: SWMU-1

Station : SC-M15

SC-M15

012521

Field Sample Type: Field Duplicate

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	UJ	C05
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C05
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M15 SC-M15

012521

Field Sample Type: Field Duplicate

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Volatil Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Chloromethane	10	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Acetate	10	UG/L	U	UJ	C05	
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.492	PCI/L	U	U		0.5
REG	Radium-228	2.66	PCI/L		=		0.62

Location: SWMU-1

Station : SC-M16 SC-M16

011611

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.14	MG/KG	U	U		
REG	Barium	0.98	MG/KG	B	J		
REG	Cadmium	0.05	MG/KG	U	U		
REG	Chromium	0.14	MG/KG	U	R	F10	
REG	Lead	0.3	MG/KG	B*	J		
REG	Mercury	0.01	MG/KG	U	U		
REG	Selenium	0.09	MG/KG	U	UJ	P02	
REG	Silver	0.02	MG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	1.6	UG/KG	U	U		
REG	4,4'-DDE	1.6	UG/KG	U	U		
REG	4,4'-DDT	1.6	UG/KG	U	U		
REG	Aldrin	0.78	UG/KG	U	U		
REG	Alpha Chlordane	0.78	UG/KG	U	U		
REG	Alpha-BHC	0.78	UG/KG	U	U		
REG	Aroclor-1016	3.9	UG/KG	U	U		
REG	Aroclor-1221	3.9	UG/KG	U	U		
REG	Aroclor-1232	3.9	UG/KG	U	U		
REG	Aroclor-1242	3.9	UG/KG	U	U		
REG	Aroclor-1248	3.9	UG/KG	U	U		
REG	Aroclor-1254	3.9	UG/KG	U	U		
REG	Aroclor-1260	3.9	UG/KG	U	U		
REG	Beta-BHC	0.78	UG/KG	U	U		
REG	Delta-BHC	0.78	UG/KG	U	U		
REG	Dieldrin	1.6	UG/KG	U	U		
REG	Endosulfan I	0.78	UG/KG	U	U		
REG	Endosulfan II	1.6	UG/KG	U	U		
REG	Endosulfan Sulfate	1.6	UG/KG	U	U		
REG	Endrin	1.6	UG/KG	U	U		
REG	Endrin Ketone	1.6	UG/KG	U	U		
REG	Gamma Chlordane	0.78	UG/KG	U	U		
REG	Gamma-BHC (Lindane)	0.78	UG/KG	U	U		
REG	Heptachlor	0.78	UG/KG	U	U		
REG	Heptachlor Epoxide	0.78	UG/KG	U	U		
REG	Methoxychlor	7.8	UG/KG	U	U		
REG	Toxaphene	39.3	UG/KG	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	386	UG/KG	U	U		
REG	1,2-Dichlorobenzene	386	UG/KG	U	U		

397

Location: SWMU-1

Station: SC-M16

SC-M16

011611

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3-Dichlorobenzene	386	UG/KG	U	U	
REG	1,4-Dichlorobenzene	386	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	386	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	966	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	386	UG/KG	U	U	
REG	2,4-Dichlorophenol	386	UG/KG	U	U	
REG	2,4-Dimethylphenol	386	UG/KG	U	U	
REG	2,4-Dinitrophenol	966	UG/KG	U	U	
REG	2,4-Dinitrotoluene	386	UG/KG	U	U	
REG	2,6-Dinitrotoluene	386	UG/KG	U	U	
REG	2-Chloronaphthalene	386	UG/KG	U	U	
REG	2-Chlorophenol	386	UG/KG	U	U	
REG	2-Methylnaphthalene	386	UG/KG	U	U	
REG	2-Methylphenol	386	UG/KG	U	U	
REG	2-Nitroaniline	966	UG/KG	U	U	
REG	2-Nitrophenol	386	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	773	UG/KG	U	U	
REG	3-Nitroaniline	966	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	966	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	386	UG/KG	U	U	
REG	4-Chloroaniline	386	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	386	UG/KG	U	U	
REG	4-Methylphenol	386	UG/KG	U	U	
REG	4-Nitroaniline	966	UG/KG	U	U	
REG	4-Nitrophenol	966	UG/KG	U	U	
REG	4-chloro-3-methylphenol	386	UG/KG	U	U	
REG	Acenaphthene	386	UG/KG	U	U	
REG	Acenaphthylene	386	UG/KG	U	U	
REG	Anthracene	386	UG/KG	U	U	
REG	Benzo(a)anthracene	386	UG/KG	U	U	
REG	Benzo(a)pyrene	386	UG/KG	U	U	
REG	Benzo(b)fluoranthene	386	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	386	UG/KG	U	U	
REG	Benzo(k)fluoranthene	386	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	386	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	386	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	386	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	386	UG/KG	U	U	
REG	Carbazole	386	UG/KG	U	UJ	C05
REG	Chrysene	386	UG/KG	U	U	
REG	Di-n-butyl Phthalate	386	UG/KG	U	U	
REG	Di-n-octyl Phthalate	386	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	386	UG/KG	U	U	
REG	Dibenzofuran	386	UG/KG	U	U	
REG	Diethyl Phthalate	386	UG/KG	U	U	
REG	Dimethyl Phthalate	386	UG/KG	U	U	
REG	Fluoranthene	386	UG/KG	U	U	
REG	Fluorene	386	UG/KG	U	U	
REG	Hexachlorobenzene	386	UG/KG	U	U	
REG	Hexachlorobutadiene	386	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	386	UG/KG	U	U	
REG	Hexachloroethane	386	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	386	UG/KG	U	U	
REG	Isophorone	386	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	386	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	386	UG/KG	U	U	
REG	Naphthalene	386	UG/KG	U	U	
REG	Nitrobenzene	386	UG/KG	U	U	
REG	Pentachlorophenol	966	UG/KG	U	U	
REG	Phenanthrene	386	UG/KG	U	U	
REG	Phenol	386	UG/KG	U	U	
REG	Pyrene	386	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,1,1-Trichloroethane	595	UG/KG	U	UJ	A03
DIL	1,1,2,2-Tetrachloroethane	595	UG/KG	U	UJ	A03
DIL	1,1,2-Trichloroethane	595	UG/KG	U	UJ	A03
DIL	1,1-Dichloroethane	595	UG/KG	U	UJ	A03

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M16 SC-M16

011611

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,1-Dichloroethene	595	UG/KG	U	UJ	A03
DIL	1,2-Dichloroethane	595	UG/KG	U	UJ	A03
DIL	1,2-Dichloropropane	595	UG/KG	U	UJ	A03
DIL	1,2-cis-Dichloroethene	595	UG/KG	U	UJ	A03
DIL	1,2-trans-Dichloroethene	595	UG/KG	U	UJ	A03
DIL	1,3-cis-Dichloropropene	595	UG/KG	U	UJ	A03
DIL	1,3-trans-Dichloropropene	595	UG/KG	U	UJ	A03
DIL	2-Butanone	1190	UG/KG	U	UJ	A03
DIL	2-Hexanone	1190	UG/KG	U	UJ	A03
DIL	4-Methyl-2-pentanone	1190	UG/KG	U	UJ	A03
DIL	Acetone	44100	UG/KG	E	J	A03
DIL	Benzene	595	UG/KG	U	UJ	A03
DIL	Bromodichloromethane	595	UG/KG	U	UJ	A03
DIL	Bromoform	595	UG/KG	U	UJ	A03
DIL	Bromomethane	1190	UG/KG	U	UJ	A03
DIL	Carbon Disulfide	595	UG/KG	U	UJ	A03
DIL	Carbon Tetrachloride	595	UG/KG	U	UJ	A03
DIL	Chlorobenzene	595	UG/KG	U	UJ	A03
DIL	Chloroethane	1190	UG/KG	U	UJ	A03
DIL	Chloroform	595	UG/KG	U	UJ	A03
DIL	Chloromethane	1190	UG/KG	U	UJ	A03
DIL	Dibromochloromethane	595	UG/KG	U	UJ	A03
DIL	Ethylbenzene	595	UG/KG	U	UJ	A03
DIL	Methylene Chloride	52.2	UG/KG	J	J	A03
DIL	Styrene	595	UG/KG	U	UJ	A03
DIL	Tetrachloroethene	595	UG/KG	U	UJ	A03
DIL	Toluene	595	UG/KG	U	UJ	A03
DIL	Trichloroethene	595	UG/KG	U	UJ	A03
DIL	Vinyl Chloride	1190	UG/KG	U	UJ	A03
DIL	Xylenes, Total	595	UG/KG	U	UJ	A03

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	6	UG/KG	U	R	K02
REG	1,1,2,2-Tetrachloroethane	6	UG/KG	U	R	K02
REG	1,1,2-Trichloroethane	6	UG/KG	U	R	K02
REG	1,1-Dichloroethane	6	UG/KG	U	R	K02
REG	1,1-Dichloroethene	6	UG/KG	U	R	K02
REG	1,2-Dichloroethane	6	UG/KG	U	R	K02
REG	1,2-Dichloropropane	6	UG/KG	U	R	K02
REG	1,2-cis-Dichloroethene	6	UG/KG	U	R	K02
REG	1,2-trans-Dichloroethene	6	UG/KG	U	R	K02
REG	1,3-cis-Dichloropropene	6	UG/KG	U	R	K02
REG	1,3-trans-Dichloropropene	6	UG/KG	U	R	K02
REG	2-Butanone	11.9	UG/KG	U	R	K02
REG	2-Hexanone	11.9	UG/KG	U	R	K02
REG	4-Methyl-2-pentanone	11.9	UG/KG	U	R	K02
REG	Acetone	44100	UG/KG	E	J	A03,K02
REG	Benzene	6	UG/KG	U	R	K02
REG	Bromodichloromethane	6	UG/KG	U	R	K02
REG	Bromoform	6	UG/KG	U	R	K02
REG	Bromomethane	11.9	UG/KG	U	R	K02
REG	Carbon Disulfide	6	UG/KG	U	R	K02
REG	Carbon Tetrachloride	6	UG/KG	U	R	K02
REG	Chlorobenzene	6	UG/KG	U	R	K02
REG	Chloroethane	11.9	UG/KG	U	R	K02
REG	Chloroform	6	UG/KG	U	R	K02
REG	Chloromethane	11.9	UG/KG	U	R	K02
REG	Dibromochloromethane	6	UG/KG	U	R	K02
REG	Ethylbenzene	6	UG/KG	U	R	K02
REG	Methylene Chloride	17.2	UG/KG		J	F08,G01,K02
REG	Styrene	6	UG/KG	U	R	K02
REG	Tetrachloroethene	6	UG/KG	U	R	K02
REG	Toluene	5.3	UG/KG	J	J	G01,K02
REG	Trichloroethene	6	UG/KG	U	R	K02
REG	Vinyl Chloride	11.9	UG/KG	U	R	K02
REG	Xylenes, Total	6	UG/KG	U	R	K02

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Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.257	PCI/G	J	J		0.0833
REG	Radium-228	0.186	PCI/G	J	J		0.127
011612	2.0 - 3.0 FT	Field Sample Type: Grab		Matrix: Soil		Collected: 11/15/97	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.13	MG/KG	U	U	
REG	Barium	1.8	MG/KG	B	J	
REG	Cadmium	0.04	MG/KG	U	U	
REG	Chromium	0.35	MG/KG	B	R	F06,F10
REG	Lead	0.83	MG/KG	*	=	
REG	Mercury	0.01	MG/KG	U	U	
REG	Selenium	0.11	MG/KG	B	UJ	F01,F06,P02
REG	Silver	0.02	MG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.5	UG/KG	U	U	
REG	4,4'-DDE	1.5	UG/KG	U	U	
REG	4,4'-DDT	1.5	UG/KG	U	U	
REG	Aldrin	0.75	UG/KG	U	U	
REG	Alpha Chlordane	0.75	UG/KG	U	U	
REG	Alpha-BHC	0.75	UG/KG	U	U	
REG	Aroclor-1016	3.8	UG/KG	U	U	
REG	Aroclor-1221	3.8	UG/KG	U	U	
REG	Aroclor-1232	3.8	UG/KG	U	U	
REG	Aroclor-1242	3.8	UG/KG	U	U	
REG	Aroclor-1248	3.8	UG/KG	U	U	
REG	Aroclor-1254	3.8	UG/KG	U	U	
REG	Aroclor-1260	3.8	UG/KG	U	U	
REG	Beta-BHC	0.75	UG/KG	U	U	
REG	Delta-BHC	0.75	UG/KG	U	U	
REG	Dieldrin	1.5	UG/KG	U	U	
REG	Endosulfan I	0.75	UG/KG	U	U	
REG	Endosulfan II	1.5	UG/KG	U	U	
REG	Endosulfan Sulfate	1.5	UG/KG	U	U	
REG	Endrin	1.5	UG/KG	U	U	
REG	Endrin Ketone	1.5	UG/KG	U	U	
REG	Gamma Chlordane	0.75	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.75	UG/KG	U	U	
REG	Heptachlor	0.75	UG/KG	U	U	
REG	Heptachlor Epoxide	0.75	UG/KG	U	U	
REG	Methoxychlor	7.5	UG/KG	U	U	
REG	Toxaphene	37.6	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	2.4	UG/KG	J	J	
REG	1,2-Dichlorobenzene	383	UG/KG	U	U	
REG	1,3-Dichlorobenzene	383	UG/KG	U	U	
REG	1,4-Dichlorobenzene	383	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	383	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	958	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	383	UG/KG	U	U	
REG	2,4-Dichlorophenol	383	UG/KG	U	U	
REG	2,4-Dimethylphenol	383	UG/KG	U	U	
REG	2,4-Dinitrophenol	958	UG/KG	U	U	
REG	2,4-Dinitrotoluene	383	UG/KG	U	U	
REG	2,6-Dinitrotoluene	383	UG/KG	U	U	
REG	2-Chloronaphthalene	383	UG/KG	U	U	
REG	2-Chlorophenol	383	UG/KG	U	U	
REG	2-Methylnaphthalene	383	UG/KG	U	U	
REG	2-Methylphenol	383	UG/KG	U	U	
REG	2-Nitroaniline	958	UG/KG	U	U	
REG	2-Nitrophenol	383	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	766	UG/KG	U	U	
REG	3-Nitroaniline	958	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	958	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	383	UG/KG	U	U	
REG	4-Chloroaniline	383	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	383	UG/KG	U	U	
REG	4-Methylphenol	383	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M16 SC-M16

011612

2.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Nitroaniline	958	UG/KG	U	U	
REG	4-Nitrophenol	958	UG/KG	U	U	
REG	4-chloro-3-methylphenol	383	UG/KG	U	U	
REG	Acenaphthene	383	UG/KG	U	U	
REG	Acenaphthylene	383	UG/KG	U	U	
REG	Anthracene	383	UG/KG	U	U	
REG	Benzo(a)anthracene	383	UG/KG	U	U	
REG	Benzo(a)pyrene	383	UG/KG	U	U	
REG	Benzo(b)fluoranthene	383	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	383	UG/KG	U	U	
REG	Benzo(k)fluoranthene	383	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	383	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	383	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	383	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	383	UG/KG	U	U	
REG	Carbazole	383	UG/KG	U	UJ	C05
REG	Chrysene	383	UG/KG	U	U	
REG	Di-n-butyl Phthalate	383	UG/KG	U	U	
REG	Di-n-octyl Phthalate	383	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	383	UG/KG	U	U	
REG	Dibenzofuran	383	UG/KG	U	U	
REG	Diethyl Phthalate	383	UG/KG	U	U	
REG	Dimethyl Phthalate	383	UG/KG	U	U	
REG	Fluoranthene	383	UG/KG	U	U	
REG	Fluorene	383	UG/KG	U	U	
REG	Hexachlorobenzene	383	UG/KG	U	U	
REG	Hexachlorobutadiene	383	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	383	UG/KG	U	U	
REG	Hexachloroethane	383	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	383	UG/KG	U	U	
REG	Isophorone	383	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	383	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	383	UG/KG	U	U	
REG	Naphthalene	383	UG/KG	U	U	
REG	Nitrobenzene	383	UG/KG	U	U	
REG	Pentachlorophenol	958	UG/KG	U	U	
REG	Phenanthrene	383	UG/KG	U	U	
REG	Phenol	383	UG/KG	U	U	
REG	Pyrene	383	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.7	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	5.7	UG/KG	U	U	
REG	1,1,2-Trichloroethane	5.7	UG/KG	U	U	
REG	1,1-Dichloroethane	5.7	UG/KG	U	U	
REG	1,1-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-Dichloroethane	5.7	UG/KG	U	U	
REG	1,2-Dichloropropane	5.7	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	5.7	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.7	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5.7	UG/KG	U	U	
REG	2-Butanone	11.5	UG/KG	U	U	
REG	2-Hexanone	11.5	UG/KG	U	U	
REG	4-Methyl-2-pentanone	11.5	UG/KG	U	U	
REG	Acetone	638	UG/KG	E	J	N03
REG	Benzene	5.7	UG/KG	U	U	
REG	Bromodichloromethane	5.7	UG/KG	U	U	
REG	Bromoform	5.7	UG/KG	U	U	
REG	Bromomethane	11.5	UG/KG	U	U	
REG	Carbon Disulfide	5.7	UG/KG	U	U	
REG	Carbon Tetrachloride	5.7	UG/KG	U	U	
REG	Chlorobenzene	5.7	UG/KG	U	U	
REG	Chloroethane	11.5	UG/KG	U	U	
REG	Chloroform	5.7	UG/KG	U	U	
REG	Chloromethane	11.5	UG/KG	U	U	
REG	Dibromochloromethane	5.7	UG/KG	U	U	
REG	Ethylbenzene	5.7	UG/KG	U	U	

401

Location: SWMU-1

Station: SC-M16 SC-M16

011612

2.0 - 3.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Methylene Chloride	7.9	UG/KG	U	U	F01,F07
REG	Styrene	5.7	UG/KG	U	U	
REG	Tetrachloroethene	5.7	UG/KG	U	U	
REG	Toluene	5.7	UG/KG	U	U	
REG	Trichloroethene	5.7	UG/KG	U	U	
REG	Vinyl Chloride	11.5	UG/KG	U	U	
REG	Xylenes, Total	5.7	UG/KG	U	U	
TIC REG	11.50 Naphthalene	11.5	UG/KG	NJ		

012611

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	16.2	MG/L	=		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	51.9	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	1.3	UG/L	B	U	F01,F06
REG	Iron	1920	UG/L		=	
REG	Lead	3	UG/L	*	J	J01,J02
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	0.54	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	0.98	UG/L	U	U	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M16 SC-M16

012611

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	1.1	UG/L	J	J	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	

403

Location: SWMU-1
Station: SC-M16

SC-M16

012611

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/13/97

Sample Type	Volatil Organic	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	2-Butanone	10	UG/L	U	U		
REG	2-Hexanone	10	UG/L	U	U		
REG	4-Methyl-2-pentanone	10	UG/L	U	U		
REG	Acetone	10	UG/L	U	UJ	C05	
REG	Benzene	2	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	10	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	10	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	10	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Acetate	10	UG/L	U	UJ	C05	
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.254	PCI/L	U	U		0.37
REG	Radium-228	3.62	PCI/L		=		0.43

Location: SWMU-1
Station: SC-M17

SC-M17

011711

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	1.8	MG/KG	B	J		
REG	Barium	9.3	MG/KG	B	J		
REG	Cadmium	0.05	MG/KG	U	U		
REG	Chromium	9.4	MG/KG		J	F10	
REG	Lead	3.3	MG/KG	*	=		
REG	Mercury	0.01	MG/KG	B	J		
REG	Selenium	0.41	MG/KG	B	UJ	F01,F06,P02	
REG	Silver	0.06	MG/KG	B	J		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	1.5	UG/KG	U	U		
REG	4,4'-DDE	1.5	UG/KG	U	U		
REG	4,4'-DDT	1.5	UG/KG	U	U		
REG	Aldrin	0.74	UG/KG	U	U		
REG	Alpha Chlordane	0.74	UG/KG	U	U		
REG	Alpha-BHC	0.74	UG/KG	U	U		
REG	Aroclor-1016	3.7	UG/KG	U	U		
REG	Aroclor-1221	3.7	UG/KG	U	U		
REG	Aroclor-1232	3.7	UG/KG	U	U		
REG	Aroclor-1242	3.7	UG/KG	U	U		
REG	Aroclor-1248	3.7	UG/KG	U	U		
REG	Aroclor-1254	3.7	UG/KG	U	U		
REG	Aroclor-1260	3.7	UG/KG	U	U		
REG	Beta-BHC	0.74	UG/KG	U	U		
REG	Delta-BHC	0.74	UG/KG	U	U		
REG	Dieldrin	1.5	UG/KG	U	U		
REG	Endosulfan I	0.74	UG/KG	U	U		
REG	Endosulfan II	1.5	UG/KG	U	U		
REG	Endosulfan Sulfate	1.5	UG/KG	U	U		
REG	Endrin	1.5	UG/KG	U	U		

Ft. Stewart - SWMU 1

Location: SWMU-1
Station: SC-M17

SC-M17

011711

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Endrin Ketone	1.5	UG/KG	U	U	
REG	Gamma Chlordane	0.74	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.74	UG/KG	U	U	
REG	Heptachlor	0.74	UG/KG	U	U	
REG	Heptachlor Epoxide	0.74	UG/KG	U	U	
REG	Methoxychlor	7.4	UG/KG	U	U	
REG	Toxaphene	37.1	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	379	UG/KG	U	U	
REG	1,2-Dichlorobenzene	379	UG/KG	U	U	
REG	1,3-Dichlorobenzene	379	UG/KG	U	U	
REG	1,4-Dichlorobenzene	379	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	379	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	947	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	379	UG/KG	U	U	
REG	2,4-Dichlorophenol	379	UG/KG	U	U	
REG	2,4-Dimethylphenol	379	UG/KG	U	U	
REG	2,4-Dinitrophenol	947	UG/KG	U	U	
REG	2,4-Dinitrotoluene	379	UG/KG	U	U	
REG	2,6-Dinitrotoluene	379	UG/KG	U	U	
REG	2-Chloronaphthalene	379	UG/KG	U	U	
REG	2-Chlorophenol	379	UG/KG	U	U	
REG	2-Methylnaphthalene	379	UG/KG	U	U	
REG	2-Methylphenol	379	UG/KG	U	U	
REG	2-Nitroaniline	947	UG/KG	U	U	
REG	2-Nitrophenol	379	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	758	UG/KG	U	U	
REG	3-Nitroaniline	947	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	947	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	379	UG/KG	U	U	
REG	4-Chloroaniline	379	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	379	UG/KG	U	U	
REG	4-Methylphenol	379	UG/KG	U	U	
REG	4-Nitroaniline	947	UG/KG	U	U	
REG	4-Nitrophenol	947	UG/KG	U	U	
REG	4-chloro-3-methylphenol	379	UG/KG	U	U	
REG	Acenaphthene	379	UG/KG	U	U	
REG	Acenaphthylene	379	UG/KG	U	U	
REG	Anthracene	379	UG/KG	U	U	
REG	Benzo(a)anthracene	379	UG/KG	U	U	
REG	Benzo(a)pyrene	379	UG/KG	U	U	
REG	Benzo(b)fluoranthene	379	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	379	UG/KG	U	U	
REG	Benzo(k)fluoranthene	379	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	379	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	379	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	379	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	379	UG/KG	U	U	
REG	Carbazole	379	UG/KG	U	UJ	C05
REG	Chrysene	379	UG/KG	U	U	
REG	Di-n-butyl Phthalate	379	UG/KG	U	U	
REG	Di-n-octyl Phthalate	379	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	379	UG/KG	U	U	
REG	Dibenzofuran	379	UG/KG	U	U	
REG	Diethyl Phthalate	379	UG/KG	U	U	
REG	Dimethyl Phthalate	379	UG/KG	U	U	
REG	Fluoranthene	379	UG/KG	U	U	
REG	Fluorene	379	UG/KG	U	U	
REG	Hexachlorobenzene	379	UG/KG	U	U	
REG	Hexachlorobutadiene	379	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	379	UG/KG	U	U	
REG	Hexachloroethane	379	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	379	UG/KG	U	U	
REG	Isophorone	379	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	379	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	379	UG/KG	U	U	
REG	Naphthalene	379	UG/KG	U	U	

405

Location: SWMU-1

Station: SC-M17

SC-M17

011711

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nitrobenzene	379	UG/KG	U	U	
REG	Pentachlorophenol	947	UG/KG	U	U	
REG	Phenanthrene	379	UG/KG	U	U	
REG	Phenol	379	UG/KG	U	U	
REG	Pyrene	379	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	11.4	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	11.4	UG/KG	U	U	
REG	1,1,2-Trichloroethane	11.4	UG/KG	U	U	
REG	1,1-Dichloroethane	11.4	UG/KG	U	UJ	C05
REG	1,1-Dichloroethene	11.4	UG/KG	U	U	
REG	1,2-Dichloroethane	11.4	UG/KG	U	U	
REG	1,2-Dichloropropane	11.4	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	11.4	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	11.4	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	11.4	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	11.4	UG/KG	U	U	
REG	2-Butanone	22.7	UG/KG	U	U	
REG	2-Hexanone	22.7	UG/KG	U	U	
REG	4-Methyl-2-pentanone	22.7	UG/KG	U	U	
REG	Acetone	22.7	UG/KG	U	U	
REG	Benzene	11.4	UG/KG	U	U	
REG	Bromodichloromethane	11.4	UG/KG	U	U	
REG	Bromoform	11.4	UG/KG	U	U	
REG	Bromomethane	22.7	UG/KG	U	U	
REG	Carbon Disulfide	11.4	UG/KG	U	U	
REG	Carbon Tetrachloride	11.4	UG/KG	U	U	
REG	Chlorobenzene	11.4	UG/KG	U	U	
REG	Chloroethane	22.7	UG/KG	U	U	
REG	Chloroform	11.4	UG/KG	U	U	
REG	Chloromethane	22.7	UG/KG	U	U	
REG	Dibromochloromethane	11.4	UG/KG	U	U	
REG	Ethylbenzene	11.4	UG/KG	U	U	
REG	Methylene Chloride	11.4	UG/KG	U	U	
REG	Styrene	11.4	UG/KG	U	U	
REG	Tetrachloroethene	11.4	UG/KG	U	U	
REG	Toluene	11.4	UG/KG	U	U	
REG	Trichloroethene	11.4	UG/KG	U	U	
REG	Vinyl Chloride	22.7	UG/KG	U	U	
REG	Xylenes, Total	11.4	UG/KG	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.428	PCI/G	J	J		0.100
REG	Radium-228	0.851	PCI/G	J	J		0.199

011712

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.13	MG/KG	U	U	
REG	Barium	7.1	MG/KG	B	J	
REG	Cadmium	0.04	MG/KG	U	U	
REG	Chromium	2.8	MG/KG	B	J	F10
REG	Lead	3.2	MG/KG	*	=	
REG	Mercury	0.01	MG/KG	B	J	
REG	Selenium	0.29	MG/KG	B	UJ	F01,F06,P02
REG	Silver	0.02	MG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.4	UG/KG	U	U	
REG	4,4'-DDE	1.4	UG/KG	U	U	
REG	4,4'-DDT	1.4	UG/KG	U	U	
REG	Aldrin	0.73	UG/KG	U	U	
REG	Alpha Chlordane	0.73	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station: SC-M17 SC-M17

011712

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Alpha-BHC	0.73	UG/KG	U	U	
REG	Aroclor-1016	3.6	UG/KG	U	U	
REG	Aroclor-1221	3.6	UG/KG	U	U	
REG	Aroclor-1232	3.6	UG/KG	U	U	
REG	Aroclor-1242	3.6	UG/KG	U	U	
REG	Aroclor-1248	3.6	UG/KG	U	U	
REG	Aroclor-1254	3.6	UG/KG	U	U	
REG	Aroclor-1260	3.6	UG/KG	U	U	
REG	Beta-BHC	0.73	UG/KG	U	U	
REG	Delta-BHC	0.73	UG/KG	U	U	
REG	Dieldrin	1.4	UG/KG	U	U	
REG	Endosulfan I	0.73	UG/KG	U	U	
REG	Endosulfan II	1.4	UG/KG	U	U	
REG	Endosulfan Sulfate	1.4	UG/KG	U	U	
REG	Endrin	1.4	UG/KG	U	U	
REG	Endrin Ketone	1.4	UG/KG	U	U	
REG	Gamma Chlordane	0.73	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.73	UG/KG	U	U	
REG	Heptachlor	0.73	UG/KG	U	U	
REG	Heptachlor Epoxide	0.73	UG/KG	U	U	
REG	Methoxychlor	7.3	UG/KG	U	U	
REG	Toxaphene	36.4	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	2.2	UG/KG	J	J	
REG	1,2-Dichlorobenzene	363	UG/KG	U	U	
REG	1,3-Dichlorobenzene	363	UG/KG	U	U	
REG	1,4-Dichlorobenzene	363	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	363	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	908	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	363	UG/KG	U	U	
REG	2,4-Dichlorophenol	363	UG/KG	U	U	
REG	2,4-Dimethylphenol	363	UG/KG	U	U	
REG	2,4-Dinitrophenol	908	UG/KG	U	U	
REG	2,4-Dinitrotoluene	363	UG/KG	U	U	
REG	2,6-Dinitrotoluene	363	UG/KG	U	U	
REG	2-Chloronaphthalene	363	UG/KG	U	U	
REG	2-Chlorophenol	363	UG/KG	U	U	
REG	2-Methylnaphthalene	363	UG/KG	U	U	
REG	2-Methylphenol	363	UG/KG	U	U	
REG	2-Nitroaniline	908	UG/KG	U	U	
REG	2-Nitrophenol	363	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	726	UG/KG	U	U	
REG	3-Nitroaniline	908	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	908	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	363	UG/KG	U	U	
REG	4-Chloroaniline	363	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	363	UG/KG	U	U	
REG	4-Methylphenol	363	UG/KG	U	U	
REG	4-Nitroaniline	908	UG/KG	U	U	
REG	4-Nitrophenol	908	UG/KG	U	U	
REG	4-chloro-3-methylphenol	363	UG/KG	U	U	
REG	Acenaphthene	363	UG/KG	U	U	
REG	Acenaphthylene	363	UG/KG	U	U	
REG	Anthracene	363	UG/KG	U	U	
REG	Benzo(a)anthracene	363	UG/KG	U	U	
REG	Benzo(a)pyrene	363	UG/KG	U	U	
REG	Benzo(b)fluoranthene	363	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	363	UG/KG	U	U	
REG	Benzo(k)fluoranthene	363	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	363	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	363	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	363	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	363	UG/KG	U	U	
REG	Carbazole	363	UG/KG	U	UJ	C05
REG	Chrysene	363	UG/KG	U	U	
REG	Di-n-butyl Phthalate	363	UG/KG	U	U	
REG	Di-n-octyl Phthalate	363	UG/KG	U	U	

Location: SWMU-1
Station: SC-M17

SC-M17

011712

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dibenzo(a,h)anthracene	363	UG/KG	U	U	
REG	Dibenzofuran	363	UG/KG	U	U	
REG	Diethyl Phthalate	363	UG/KG	U	U	
REG	Dimethyl Phthalate	363	UG/KG	U	U	
REG	Fluoranthene	363	UG/KG	U	U	
REG	Fluorene	363	UG/KG	U	U	
REG	Hexachlorobenzene	363	UG/KG	U	U	
REG	Hexachlorobutadiene	363	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	363	UG/KG	U	U	
REG	Hexachloroethane	363	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	363	UG/KG	U	U	
REG	Isophorone	363	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	363	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	363	UG/KG	U	U	
REG	Naphthalene	363	UG/KG	U	U	
REG	Nitrobenzene	363	UG/KG	U	U	
REG	Pentachlorophenol	908	UG/KG	U	U	
REG	Phenanthrene	363	UG/KG	U	U	
REG	Phenol	363	UG/KG	U	U	
REG	Pyrene	363	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	11.1	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	11.1	UG/KG	U	U	
REG	1,1,2-Trichloroethane	11.1	UG/KG	U	U	
REG	1,1-Dichloroethane	11.1	UG/KG	U	U	C05
REG	1,1-Dichloroethene	11.1	UG/KG	U	U	
REG	1,2-Dichloroethane	11.1	UG/KG	U	U	
REG	1,2-Dichloropropane	11.1	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	11.1	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	11.1	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	11.1	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	11.1	UG/KG	U	U	
REG	2-Butanone	22.2	UG/KG	U	U	
REG	2-Hexanone	22.2	UG/KG	U	U	
REG	4-Methyl-2-pentanone	22.2	UG/KG	U	U	
REG	Acetone	25.4	UG/KG	J		C05,G01
REG	Benzene	11.1	UG/KG	U	U	
REG	Bromodichloromethane	11.1	UG/KG	U	U	
REG	Bromoform	11.1	UG/KG	U	U	
REG	Bromomethane	22.2	UG/KG	U	U	
REG	Carbon Disulfide	11.1	UG/KG	U	U	
REG	Carbon Tetrachloride	11.1	UG/KG	U	U	
REG	Chlorobenzene	11.1	UG/KG	U	U	
REG	Chloroethane	22.2	UG/KG	U	U	
REG	Chloroform	11.1	UG/KG	U	U	
REG	Chloromethane	22.2	UG/KG	U	U	
REG	Dibromochloromethane	11.1	UG/KG	U	U	
REG	Ethylbenzene	11.1	UG/KG	U	U	
REG	Methylene Chloride	11.1	UG/KG	U	U	
REG	Styrene	11.1	UG/KG	U	U	
REG	Tetrachloroethene	11.1	UG/KG	U	U	
REG	Toluene	11.1	UG/KG	U	U	
REG	Trichloroethene	11.1	UG/KG	U	U	
REG	Vinyl Chloride	22.2	UG/KG	U	U	
REG	Xylenes, Total	11.1	UG/KG	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.547	PCI/G	J	J		0.113
REG	Radium-228	0.445	PCI/G	J	J		0.210

012711

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	0.684	MG/L		=	

Ft. Stewart - SWMU 1

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.89	UG/L	B	J	
REG	Barium	43.3	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	9.1	UG/L	B	U	F01,F06
REG	Iron	6200	UG/L		=	
REG	Lead	18.4	UG/L	*	J	JD1,J02
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	1.9	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	1.1	UG/L	B	J	
REG	Barium	32.7	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	4.5	UG/L	B	U	F01,F06
REG	Lead	0.47	UG/L	B*	U	F06
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	2.8	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	1,2,4-Trichlorobenzene	10	UG/L	U	UJ	A01
REA	1,2-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,3-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	1,4-Dichlorobenzene	10	UG/L	U	UJ	A01
REA	2,2'-oxybis (1-chloropropane)	10	UG/L	U	UJ	A01
REA	2,4,5-Trichlorophenol	25	UG/L	U	UJ	A01
REA	2,4,6-Trichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dichlorophenol	10	UG/L	U	UJ	A01
REA	2,4-Dimethylphenol	10	UG/L	U	UJ	A01
REA	2,4-Dinitrophenol	25	UG/L	U	UJ	A01
REA	2,4-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2,6-Dinitrotoluene	10	UG/L	U	UJ	A01
REA	2-Chloronaphthalene	0.2	UG/L	U	UJ	A01
REA	2-Chlorophenol	10	UG/L	U	UJ	A01
REA	2-Methylnaphthalene	10	UG/L	U	UJ	A01
REA	2-Methylphenol	10	UG/L	U	UJ	A01
REA	2-Nitroaniline	25	UG/L	U	UJ	A01
REA	2-Nitrophenol	10	UG/L	U	UJ	A01
REA	3,3'-Dichlorobenzidine	20	UG/L	U	UJ	A01

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Location: SWMU-1

Station: SC-M17

SC-M17

012711

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REA	3-Nitroaniline	25	UG/L	U	UJ	A01
REA	4,6-Dinitro-o-Cresol	25	UG/L	U	UJ	A01
REA	4-Bromophenyl-phenyl Ether	10	UG/L	U	UJ	A01
REA	4-Chloroaniline	10	UG/L	U	UJ	A01
REA	4-Chlorophenyl-phenylether	10	UG/L	U	UJ	A01
REA	4-Methylphenol	10	UG/L	U	UJ	A01
REA	4-Nitroaniline	25	UG/L	U	UJ	A01
REA	4-Nitrophenol	25	UG/L	U	UJ	A01
REA	4-chloro-3-methylphenol	10	UG/L	U	UJ	A01
REA	Acenaphthene	0.2	UG/L	U	UJ	A01
REA	Acenaphthylene	0.2	UG/L	U	UJ	A01
REA	Anthracene	0.2	UG/L	U	UJ	A01
REA	Benzo(a)anthracene	0.2	UG/L	U	UJ	A01
REA	Benzo(a)pyrene	0.2	UG/L	U	UJ	A01
REA	Benzo(b)fluoranthene	0.2	UG/L	U	UJ	A01
REA	Benzo(g,h,i)perylene	0.2	UG/L	U	UJ	A01
REA	Benzo(k)fluoranthene	0.2	UG/L	U	UJ	A01
REA	Bis(2-chloroethoxy)methane	10	UG/L	U	UJ	A01
REA	Bis(2-chloroethyl)ether	10	UG/L	U	UJ	A01
REA	Bis(2-ethylhexyl)phthalate	10	UG/L	U	UJ	A01
REA	Butyl Benzyl Phthalate	10	UG/L	U	UJ	A01
REA	Carbazole	10	UG/L	U	UJ	A01,C05
REA	Chrysene	0.2	UG/L	U	UJ	A01
REA	Di-n-butyl Phthalate	10	UG/L	U	UJ	A01
REA	Di-n-octyl Phthalate	10	UG/L	U	UJ	A01
REA	Dibenzo(a,h)anthracene	0.2	UG/L	U	UJ	A01
REA	Dibenzofuran	10	UG/L	U	UJ	A01
REA	Diethyl Phthalate	10	UG/L	U	UJ	A01
REA	Dimethyl Phthalate	10	UG/L	U	UJ	A01
REA	Fluoranthene	0.2	UG/L	U	UJ	A01
REA	Fluorene	0.2	UG/L	U	UJ	A01
REA	Hexachlorobenzene	10	UG/L	U	UJ	A01
REA	Hexachlorobutadiene	10	UG/L	U	UJ	A01
REA	Hexachlorocyclopentadiene	10	UG/L	U	UJ	A01
REA	Hexachloroethane	10	UG/L	U	UJ	A01
REA	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	UJ	A01
REA	Isophorone	10	UG/L	U	UJ	A01
REA	N-Nitroso-di-n-propylamine	10	UG/L	U	UJ	A01
REA	N-Nitrosodiphenylamine	10	UG/L	U	UJ	A01
REA	Naphthalene	0.2	UG/L	U	UJ	A01
REA	Nitrobenzene	10	UG/L	U	UJ	A01
REA	Pentachlorophenol	25	UG/L	U	UJ	A01
REA	Phenanthrene	0.2	UG/L	U	UJ	A01
REA	Phenol	10	UG/L	U	UJ	A01
REA	Pyrene	10	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	UJ	G02
REG	2,4,6-Trichlorophenol	10	UG/L	U	UJ	G02
REG	2,4-Dichlorophenol	10	UG/L	U	UJ	G02
REG	2,4-Dimethylphenol	10	UG/L	U	UJ	G02
REG	2,4-Dinitrophenol	25	UG/L	U	UJ	G02
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	UJ	G02
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	UJ	G02
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	UJ	G02
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	UJ	G02

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M17 SC-M17

012711

Field Sample Type: Grab Matrix: Groundwater

Collected: 12/14/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	UJ	G02
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	UJ	G02
REG	4-chloro-3-methylphenol	10	UG/L	U	UJ	G02
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	0.56	UG/L	J	J	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	UJ	G02
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	UJ	G02
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C05
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	UJ	C05
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	

411

Location: SWMU-1
Station: SC-M17

SC-M17

012711

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	C05
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	1.34	PCI/L	J		T04	0.71
REG	Radium-228	2.5	PCI/L	=			0.46

012741

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 11/16/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	0.0530	MG/L	J	J	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.82	UG/L	B	U	F06
REG	Barium	1.4	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	3.5	UG/L	B	U	F06
REG	Lead	0.08	UG/L	B	J	
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	1.3	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Aldehyde	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Ft. Stewart - SWMU 1

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	1	UG/L	J	J	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	2.1	UG/L	J	J	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	2.4	UG/L	J	J	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	8.8	UG/L	J	J	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	

413

Location: SWMU-1
Station : SC-M17 SC-M17

012741

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 11/16/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	3.5	UG/L	J	J	C05
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	UJ	C05
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: SWMU-1
Station : SC-M18 SC-M18

011811

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.14	MG/KG	U	U	
REG	Barium	1.6	MG/KG	B	J	
REG	Cadmium	0.05	MG/KG	U	U	
REG	Chromium	0.79	MG/KG	B	J	F10
REG	Lead	1.3	MG/KG	*	=	
REG	Mercury	0.01	MG/KG	U	U	
REG	Selenium	0.33	MG/KG	B	UJ	F01,F06,P02
REG	Silver	0.02	MG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.5	UG/KG	U	U	
REG	4,4'-DDE	3.3	UG/KG		=	
REG	4,4'-DDT	1.4	UG/KG	J	J	
REG	Aldrin	0.75	UG/KG	U	U	
REG	Alpha Chlordane	0.75	UG/KG	U	U	
REG	Alpha-BHC	0.75	UG/KG	U	U	
REG	Aroclor-1016	3.8	UG/KG	U	U	
REG	Aroclor-1221	3.8	UG/KG	U	U	
REG	Aroclor-1232	3.8	UG/KG	U	U	
REG	Aroclor-1242	3.8	UG/KG	U	U	
REG	Aroclor-1248	3.8	UG/KG	U	U	
REG	Aroclor-1254	3.8	UG/KG	U	U	
REG	Aroclor-1260	3.8	UG/KG	U	U	
REG	Beta-BHC	0.75	UG/KG	U	U	
REG	Delta-BHC	0.75	UG/KG	U	U	
REG	Dieldrin	1.5	UG/KG	U	U	
REG	Endosulfan I	0.75	UG/KG	U	U	
REG	Endosulfan II	1.5	UG/KG	U	U	
REG	Endosulfan Sulfate	1.5	UG/KG	U	U	
REG	Endrin	1.5	UG/KG	U	U	
REG	Endrin Ketone	1.5	UG/KG	U	U	
REG	Gamma Chlordane	0.75	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.75	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M18

SC-M18

011811

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Heptachlor	0.75	UG/KG	U	U	
REG	Heptachlor Epoxide	0.75	UG/KG	U	U	
REG	Methoxychlor	7.5	UG/KG	U	U	
REG	Toxaphene	37.6	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	3.2	UG/KG	J	J	
REG	1,2-Dichlorobenzene	378	UG/KG	U	U	
REG	1,3-Dichlorobenzene	378	UG/KG	U	U	
REG	1,4-Dichlorobenzene	378	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	378	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	945	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	378	UG/KG	U	U	
REG	2,4-Dichlorophenol	378	UG/KG	U	U	
REG	2,4-Dimethylphenol	378	UG/KG	U	U	
REG	2,4-Dinitrophenol	945	UG/KG	U	U	
REG	2,4-Dinitrotoluene	378	UG/KG	U	U	
REG	2,6-Dinitrotoluene	378	UG/KG	U	U	
REG	2-Chloronaphthalene	378	UG/KG	U	U	
REG	2-Chlorophenol	378	UG/KG	U	U	
REG	2-Methylnaphthalene	378	UG/KG	U	U	
REG	2-Methylphenol	378	UG/KG	U	U	
REG	2-Nitroaniline	945	UG/KG	U	U	
REG	2-Nitrophenol	378	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	756	UG/KG	U	U	
REG	3-Nitroaniline	945	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	945	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	378	UG/KG	U	U	
REG	4-Chloroaniline	378	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	378	UG/KG	U	U	
REG	4-Methylphenol	378	UG/KG	U	U	
REG	4-Nitroaniline	945	UG/KG	U	U	
REG	4-Nitrophenol	945	UG/KG	U	U	
REG	4-chloro-3-methylphenol	378	UG/KG	U	U	
REG	Acenaphthene	378	UG/KG	U	U	
REG	Acenaphthylene	378	UG/KG	U	U	
REG	Anthracene	378	UG/KG	U	U	
REG	Benzo(a)anthracene	378	UG/KG	U	U	
REG	Benzo(a)pyrene	378	UG/KG	U	U	
REG	Benzo(b)fluoranthene	378	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	378	UG/KG	U	U	
REG	Benzo(k)fluoranthene	378	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	378	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	378	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	378	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	378	UG/KG	U	U	
REG	Carbazole	378	UG/KG	U	UJ	C05
REG	Chrysene	378	UG/KG	U	U	
REG	Di-n-butyl Phthalate	378	UG/KG	U	U	
REG	Di-n-octyl Phthalate	378	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	378	UG/KG	U	U	
REG	Dibenzofuran	378	UG/KG	U	U	
REG	Diethyl Phthalate	378	UG/KG	U	U	
REG	Dimethyl Phthalate	378	UG/KG	U	U	
REG	Fluoranthene	378	UG/KG	U	U	
REG	Fluorene	378	UG/KG	U	U	
REG	Hexachlorobenzene	378	UG/KG	U	U	
REG	Hexachlorobutadiene	378	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	378	UG/KG	U	U	
REG	Hexachloroethane	378	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	378	UG/KG	U	U	
REG	Isophorone	378	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	378	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	378	UG/KG	U	U	
REG	Naphthalene	378	UG/KG	U	U	
REG	Nitrobenzene	378	UG/KG	U	U	
REG	Pentachlorophenol	945	UG/KG	U	U	
REG	Phenanthrene	378	UG/KG	U	U	

415

Location: SWMU-1
Station: SC-M18

SC-M18

011811

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Phenol	378	UG/KG	U	U	
REG	Pyrene	378	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.7	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	5.7	UG/KG	U	U	
REG	1,1,2-Trichloroethane	5.7	UG/KG	U	U	
REG	1,1-Dichloroethane	5.7	UG/KG	U	UJ	C05
REG	1,1-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-Dichloroethane	5.7	UG/KG	U	U	
REG	1,2-Dichloropropane	5.7	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	5.7	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.7	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5.7	UG/KG	U	U	
REG	2-Butanone	11.5	UG/KG	U	U	
REG	2-Hexanone	11.5	UG/KG	U	U	
REG	4-Methyl-2-pentanone	11.5	UG/KG	U	U	
REG	Acetone	11.5	UG/KG	U	U	
REG	Benzene	5.7	UG/KG	U	U	
REG	Bromodichloromethane	5.7	UG/KG	U	U	
REG	Bromoform	5.7	UG/KG	U	U	
REG	Bromomethane	11.5	UG/KG	U	U	
REG	Carbon Disulfide	5.7	UG/KG	U	U	
REG	Carbon Tetrachloride	5.7	UG/KG	U	U	
REG	Chlorobenzene	5.7	UG/KG	U	U	
REG	Chloroethane	11.5	UG/KG	U	U	
REG	Chloroform	5.7	UG/KG	U	U	
REG	Chloromethane	11.5	UG/KG	U	U	
REG	Dibromochloromethane	5.7	UG/KG	U	U	
REG	Ethylbenzene	5.7	UG/KG	U	U	
REG	Methylene Chloride	5.7	UG/KG	JB	U	F01,F06
REG	Styrene	5.7	UG/KG	U	U	
REG	Tetrachloroethene	5.7	UG/KG	U	U	
REG	Toluene	0.51	UG/KG	J	J	
REG	Trichloroethene	5.7	UG/KG	U	U	
REG	Vinyl Chloride	11.5	UG/KG	U	U	
REG	Xylenes, Total	5.7	UG/KG	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.295	PCI/G	J	J		0.0823
REG	Radium-228	0.365	PCI/G	J	J		0.169

011812

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.13	MG/KG	U	U	
REG	Barium	4.8	MG/KG	B	J	
REG	Cadmium	0.04	MG/KG	U	U	
REG	Chromium	3.7	MG/KG	B	J	F10
REG	Lead	3	MG/KG	*	=	
REG	Mercury	0.01	MG/KG	B	J	
REG	Selenium	0.09	MG/KG	U	UJ	P02
REG	Silver	0.02	MG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.5	UG/KG	U	U	
REG	4,4'-DDE	1.5	UG/KG	U	U	
REG	4,4'-DDT	1.5	UG/KG	U	U	
REG	Aldrin	0.74	UG/KG	U	U	
REG	Alpha Chlordane	0.74	UG/KG	U	U	
REG	Alpha-BHC	0.74	UG/KG	U	U	
REG	Aroclor-1016	3.7	UG/KG	U	U	
REG	Aroclor-1221	3.7	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M18

SC-M18

011812

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aroclor-1232	3.7	UG/KG	U	U	
REG	Aroclor-1242	3.7	UG/KG	U	U	
REG	Aroclor-1248	3.7	UG/KG	U	U	
REG	Aroclor-1254	3.7	UG/KG	U	U	
REG	Aroclor-1260	3.7	UG/KG	U	U	
REG	Beta-BHC	0.74	UG/KG	U	U	
REG	Delta-BHC	0.74	UG/KG	U	U	
REG	Dieldrin	1.5	UG/KG	U	U	
REG	Endosulfan I	0.74	UG/KG	U	U	
REG	Endosulfan II	1.5	UG/KG	U	U	
REG	Endosulfan Sulfate	1.5	UG/KG	U	U	
REG	Endrin	1.5	UG/KG	U	U	
REG	Endrin Ketone	1.5	UG/KG	U	U	
REG	Gamma Chlordane	0.74	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.74	UG/KG	U	U	
REG	Heptachlor	0.74	UG/KG	U	U	
REG	Heptachlor Epoxide	0.74	UG/KG	U	U	
REG	Methoxychlor	7.4	UG/KG	U	U	
REG	Toxaphene	36.9	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	370	UG/KG	U	U	
REG	1,2-Dichlorobenzene	370	UG/KG	U	U	
REG	1,3-Dichlorobenzene	370	UG/KG	U	U	
REG	1,4-Dichlorobenzene	370	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	370	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	925	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	370	UG/KG	U	U	
REG	2,4-Dichlorophenol	370	UG/KG	U	U	
REG	2,4-Dimethylphenol	370	UG/KG	U	U	
REG	2,4-Dinitrophenol	925	UG/KG	U	U	
REG	2,4-Dinitrotoluene	370	UG/KG	U	U	
REG	2,6-Dinitrotoluene	370	UG/KG	U	U	
REG	2-Chloronaphthalene	370	UG/KG	U	U	
REG	2-Chlorophenol	370	UG/KG	U	U	
REG	2-Methylnaphthalene	370	UG/KG	U	U	
REG	2-Methylphenol	370	UG/KG	U	U	
REG	2-Nitroaniline	925	UG/KG	U	U	
REG	2-Nitrophenol	370	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	740	UG/KG	U	U	
REG	3-Nitroaniline	925	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	925	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	370	UG/KG	U	U	
REG	4-Chloroaniline	370	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	370	UG/KG	U	U	
REG	4-Methylphenol	370	UG/KG	U	U	
REG	4-Nitroaniline	925	UG/KG	U	U	
REG	4-Nitrophenol	925	UG/KG	U	U	
REG	4-chloro-3-methylphenol	370	UG/KG	U	U	
REG	Acenaphthene	370	UG/KG	U	U	
REG	Acenaphthylene	370	UG/KG	U	U	
REG	Anthracene	370	UG/KG	U	U	
REG	Benzo(a)anthracene	370	UG/KG	U	U	
REG	Benzo(a)pyrene	370	UG/KG	U	U	
REG	Benzo(b)fluoranthene	370	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	370	UG/KG	U	U	
REG	Benzo(k)fluoranthene	370	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	370	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	370	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	370	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	370	UG/KG	U	U	
REG	Carbazole	370	UG/KG	U	UJ	C05
REG	Chrysene	370	UG/KG	U	U	
REG	Di-n-butyl Phthalate	370	UG/KG	U	U	
REG	Di-n-octyl Phthalate	370	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	370	UG/KG	U	U	
REG	Dibenzofuran	370	UG/KG	U	U	
REG	Diethyl Phthalate	370	UG/KG	U	U	

417

Location: SWMU-1

Station: SC-M18 SC-M18

011812

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dimethyl Phthalate	370	UG/KG	U	U	
REG	Fluoranthene	370	UG/KG	U	U	
REG	Fluorene	370	UG/KG	U	U	
REG	Hexachlorobenzene	370	UG/KG	U	U	
REG	Hexachlorobutadiene	370	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	370	UG/KG	U	U	
REG	Hexachloroethane	370	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	370	UG/KG	U	U	
REG	Isophorone	370	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	370	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	370	UG/KG	U	U	
REG	Naphthalene	370	UG/KG	U	U	
REG	Nitrobenzene	370	UG/KG	U	U	
REG	Pentachlorophenol	925	UG/KG	U	U	
REG	Phenanthrene	370	UG/KG	U	U	
REG	Phenol	370	UG/KG	U	U	
REG	Pyrene	370	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.7	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	5.7	UG/KG	U	U	
REG	1,1,2-Trichloroethane	5.7	UG/KG	U	U	
REG	1,1-Dichloroethane	5.7	UG/KG	U	UJ	C05
REG	1,1-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-Dichloroethane	5.7	UG/KG	U	U	
REG	1,2-Dichloropropane	5.7	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	5.7	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	5.7	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.7	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	5.7	UG/KG	U	U	
REG	2-Butanone	11.4	UG/KG	U	U	
REG	2-Hexanone	11.4	UG/KG	U	U	
REG	4-Methyl-2-pentanone	11.4	UG/KG	U	U	
REG	Acetone	11.4	UG/KG	U	U	
REG	Benzene	5.7	UG/KG	U	U	
REG	Bromodichloromethane	5.7	UG/KG	U	U	
REG	Bromoform	5.7	UG/KG	U	U	
REG	Bromomethane	11.4	UG/KG	U	U	
REG	Carbon Disulfide	5.7	UG/KG	U	U	
REG	Carbon Tetrachloride	5.7	UG/KG	U	U	
REG	Chlorobenzene	5.7	UG/KG	U	U	
REG	Chloroethane	11.4	UG/KG	U	U	
REG	Chloroform	5.7	UG/KG	U	U	
REG	Chloromethane	11.4	UG/KG	U	U	
REG	Dibromochloromethane	5.7	UG/KG	U	U	
REG	Ethylbenzene	5.7	UG/KG	U	U	
REG	Methylene Chloride	5.7	UG/KG	U	UJ	C05
REG	Styrene	5.7	UG/KG	U	U	
REG	Tetrachloroethene	5.7	UG/KG	U	U	
REG	Toluene	0.36	UG/KG	J	J	
REG	Trichloroethene	5.7	UG/KG	U	U	
REG	Vinyl Chloride	11.4	UG/KG	U	U	
REG	Xylenes, Total	5.7	UG/KG	U	U	
TIC REG	4.200 Benzene	4.2	UG/KG	NJ		

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.369	PCI/G	J	J		0.122
REG	Radium-228	0.627	PCI/G	J	J		0.169

012811

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/12/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	1.84	MG/L		=	

Ft. Stewart - SWMU 1

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	20.9	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	4.4	UG/L	B	U	F01,F06
REG	Iron	2490	UG/L		=	
REG	Lead	4.5	UG/L	*	J	J01,J02
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	0.4	UG/L	U	U	
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	

419

Location: SWMU-1
Station: SC-M18

SC-M18

012811

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/12/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	UJ	C05
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	UJ	A03,K01
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	UJ	A03,K01
REG	1,1,2-Trichloroethane	5	UG/L	U	UJ	A03,K01
REG	1,1-Dichloroethane	5	UG/L	U	UJ	A03,K01
REG	1,1-Dichloroethene	5	UG/L	U	UJ	A03,K01
REG	1,2-Dichloroethane	5	UG/L	U	UJ	A03,K01
REG	1,2-Dichloropropane	5	UG/L	U	UJ	A03,K01
REG	1,2-cis-Dichloroethene	5	UG/L	U	UJ	A03,K01
REG	1,2-trans-Dichloroethene	5	UG/L	U	UJ	A03,K01
REG	1,3-cis-Dichloropropene	5	UG/L	U	UJ	A03,K01
REG	1,3-trans-Dichloropropene	5	UG/L	U	UJ	A03,K01
REG	2-Butanone	10	UG/L	U	UJ	A03,K01
REG	2-Hexanone	10	UG/L	U	UJ	A03,K01,C08
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	A03,K01
REG	Acetone	10	UG/L	U	UJ	A03,C05,K01
REG	Benzene	2	UG/L	U	UJ	A03,K01
REG	Bromodichloromethane	5	UG/L	U	UJ	A03,K01
REG	Bromoform	5	UG/L	U	UJ	A03,K01
REG	Bromomethane	10	UG/L	U	UJ	A03,K01
REG	Carbon Disulfide	5	UG/L	U	UJ	A03,K01
REG	Carbon Tetrachloride	5	UG/L	U	UJ	A03,K01
REG	Chlorobenzene	5	UG/L	U	UJ	A03,K01
REG	Chloroethane	10	UG/L	U	UJ	A03,K01
REG	Chloroform	5	UG/L	U	UJ	A03,K01
REG	Chloromethane	10	UG/L	U	UJ	A03,K01
REG	Dibromochloromethane	5	UG/L	U	UJ	A03,K01
REG	Ethylbenzene	5	UG/L	U	UJ	A03,K01
REG	Methylene Chloride	2	UG/L	U	UJ	A03,K01
REG	Styrene	5	UG/L	U	UJ	A03,K01
REG	Tetrachloroethene	5	UG/L	U	UJ	A03,K01
REG	Toluene	2	UG/L	U	UJ	A03,K01
REG	Trichloroethene	5	UG/L	U	UJ	A03,K01
REG	Vinyl Acetate	10	UG/L	U	UJ	A03,C05,K01

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M18 SC-M18

012811 Field Sample Type: Grab Matrix: Groundwater Collected: 12/12/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Vinyl Chloride	2	UG/L	U	UJ	A03,K01	
REG	Xylenes, Total	5	UG/L	U	UJ	A03,K01	
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	-0.0855	PCI/L	U	U		0.29
REG	Radium-228	3.35	PCI/L		=		0.58

012841 Field Sample Type: Equipment Rinsate Matrix: Quality Control Collected: 11/16/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Sulfate	0.0140	MG/L	U	U		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	1.3	UG/L	B	U	F06	
REG	Arsenic	0.92	UG/L	B	J		
REG	Barium	1.4	UG/L	B	J		
REG	Barium	50	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	2.9	UG/L	B	U	F06	
REG	Chromium	2	UG/L	B	U	F01,F06	
REG	Iron	1530	UG/L		=		
REG	Lead	0.06	UG/L	U	U		
REG	Lead	0.12	UG/L	B*	U	F06	
REG	Mercury	0.03	UG/L	U	U		
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	1.3	UG/L	B	U	F01,F06	
REG	Selenium	3	UG/L	B	U	F01,F06	
REG	Silver	0.07	UG/L	U	U		
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	U		
REG	4,4'-DDD	0.04	UG/L	U	U		
REG	4,4'-DDE	0.04	UG/L	U	U		
REG	4,4'-DDE	0.04	UG/L	U	U		
REG	4,4'-DDT	0.04	UG/L	U	U		
REG	4,4'-DDT	0.04	UG/L	U	U		
REG	Aldrin	0.02	UG/L	U	U		
REG	Aldrin	0.02	UG/L	U	U		
REG	Alpha Chlordane	0.02	UG/L	U	U		
REG	Alpha Chlordane	0.02	UG/L	U	U		
REG	Alpha-BHC	0.02	UG/L	U	U		
REG	Alpha-BHC	0.02	UG/L	U	U		
REG	Aroclor-1016	0.1	UG/L	U	U		
REG	Aroclor-1016	0.1	UG/L	U	U		
REG	Aroclor-1221	0.1	UG/L	U	U		
REG	Aroclor-1221	0.1	UG/L	U	U		
REG	Aroclor-1232	0.1	UG/L	U	U		
REG	Aroclor-1232	0.1	UG/L	U	U		
REG	Aroclor-1242	0.1	UG/L	U	U		
REG	Aroclor-1242	0.1	UG/L	U	U		
REG	Aroclor-1248	0.1	UG/L	U	U		
REG	Aroclor-1248	0.1	UG/L	U	U		
REG	Aroclor-1254	0.1	UG/L	U	U		
REG	Aroclor-1254	0.1	UG/L	U	U		
REG	Aroclor-1260	0.1	UG/L	U	U		
REG	Aroclor-1260	0.1	UG/L	U	U		
REG	Beta-BHC	0.02	UG/L	U	U		
REG	Beta-BHC	0.02	UG/L	U	U		
REG	Delta-BHC	0.02	UG/L	U	U		
REG	Delta-BHC	0.02	UG/L	U	U		
REG	Dieldrin	0.04	UG/L	U	U		
REG	Dieldrin	0.04	UG/L	U	U		

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Location: SWMU-1
Station: SC-M18

SC-M18

012841

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 11/16/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Aldehyde	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M18 SC-M18

012841

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	1.7	UG/L	J	J	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	

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Location: SWMU-1

Station: SC-M18

SC-M18

012841

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Acetone	10	UG/L	J	UJ	C05,F04,F06
REG	Benzene	2	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	UJ	C05
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	1.4	UG/L	J	J	
REG	Chloroform	5	UG/L	J	U	F04,F06
REG	Chloromethane	10	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M18 SC-M18

012841 Field Sample Type: Equipment Rinsate Matrix: Quality Control Collected: 11/16/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	UJ	C05	
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	0.48	UG/L	J	J		
REG	Toluene	2	UG/L	J	U	F04,F06	
REG	Trichloroethene	5	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Acetate	10	UG/L	U	UJ	C05	
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.139	PCI/L	U	U		0.27
REG	Radium-228	0.919	PCI/L	J	J		0.41

Location: SWMU-1
Station : SC-M19 SC-M19

011911 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.37	MG/KG	B	J		
REG	Barium	3.7	MG/KG	B	J		
REG	Cadmium	0.05	MG/KG	U	U		
REG	Chromium	2.1	MG/KG	B	J	F10	
REG	Lead	4.7	MG/KG	*	=		
REG	Mercury	0.03	MG/KG	B	J		
REG	Selenium	0.69	MG/KG	B	J	P02	
REG	Silver	0.02	MG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	6.7	UG/KG	U	U		
REG	4,4'-DDE	6.7	UG/KG	U	U		
REG	4,4'-DDT	6.7	UG/KG	U	U		
REG	Aldrin	3.3	UG/KG	U	U		
REG	Alpha Chlordane	3.3	UG/KG	U	U		
REG	Alpha-BHC	3.3	UG/KG	U	U		
REG	Aroclor-1016	16.7	UG/KG	U	U		
REG	Aroclor-1221	16.7	UG/KG	U	U		
REG	Aroclor-1232	16.7	UG/KG	U	U		
REG	Aroclor-1242	16.7	UG/KG	U	U		
REG	Aroclor-1248	16.7	UG/KG	U	U		
REG	Aroclor-1254	16.7	UG/KG	U	U		
REG	Aroclor-1260	16.7	UG/KG	U	U		
REG	Beta-BHC	3.3	UG/KG	U	U		
REG	Delta-BHC	3.3	UG/KG	U	U		
REG	Dieldrin	6.7	UG/KG	U	U		
REG	Endosulfan I	3.3	UG/KG	U	U		
REG	Endosulfan II	6.7	UG/KG	U	U		
REG	Endosulfan Sulfate	6.7	UG/KG	U	U		
REG	Endrin	6.7	UG/KG	U	U		
REG	Endrin Ketone	6.7	UG/KG	U	U		
REG	Gamma Chlordane	3.3	UG/KG	U	U		
REG	Gamma-BHC (Lindane)	3.3	UG/KG	U	U		
REG	Heptachlor	3.3	UG/KG	U	U		
REG	Heptachlor Epoxide	3.3	UG/KG	U	U		
REG	Methoxychlor	33.4	UG/KG	U	U		

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Location: SWMU-1

Station: SC-M19

SC-M19

011911

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Toxaphene	167	UG/KG	U	U	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	414	UG/KG	U	U	
REG	1,2-Dichlorobenzene	414	UG/KG	U	U	
REG	1,3-Dichlorobenzene	414	UG/KG	U	U	
REG	1,4-Dichlorobenzene	414	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	414	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1030	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	414	UG/KG	U	U	
REG	2,4-Dichlorophenol	414	UG/KG	U	U	
REG	2,4-Dimethylphenol	414	UG/KG	U	U	
REG	2,4-Dinitrophenol	1030	UG/KG	U	U	
REG	2,4-Dinitrotoluene	414	UG/KG	U	U	
REG	2,6-Dinitrotoluene	414	UG/KG	U	U	
REG	2-Chloronaphthalene	414	UG/KG	U	U	
REG	2-Chlorophenol	414	UG/KG	U	U	
REG	2-Methylnaphthalene	414	UG/KG	U	U	
REG	2-Methylphenol	414	UG/KG	U	U	
REG	2-Nitroaniline	1030	UG/KG	U	U	
REG	2-Nitrophenol	414	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	827	UG/KG	U	U	
REG	3-Nitroaniline	1030	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	1030	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	414	UG/KG	U	U	
REG	4-Chloroaniline	414	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	414	UG/KG	U	U	
REG	4-Methylphenol	414	UG/KG	U	U	
REG	4-Nitroaniline	1030	UG/KG	U	U	
REG	4-Nitrophenol	1030	UG/KG	U	U	
REG	4-chloro-3-methylphenol	414	UG/KG	U	U	
REG	Acenaphthene	414	UG/KG	U	U	
REG	Acenaphthylene	414	UG/KG	U	U	
REG	Anthracene	414	UG/KG	U	U	
REG	Benzo(a)anthracene	414	UG/KG	U	U	
REG	Benzo(a)pyrene	414	UG/KG	U	U	
REG	Benzo(b)fluoranthene	414	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	414	UG/KG	U	U	
REG	Benzo(k)fluoranthene	414	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	414	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	414	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	414	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	414	UG/KG	U	U	
REG	Carbazole	414	UG/KG	U	UJ	C05
REG	Chrysene	414	UG/KG	U	U	
REG	Di-n-butyl Phthalate	414	UG/KG	U	U	
REG	Di-n-octyl Phthalate	414	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	414	UG/KG	U	U	
REG	Dibenzofuran	414	UG/KG	U	U	
REG	Diethyl Phthalate	414	UG/KG	U	U	
REG	Dimethyl Phthalate	414	UG/KG	U	U	
REG	Fluoranthene	414	UG/KG	U	U	
REG	Fluorene	414	UG/KG	U	U	
REG	Hexachlorobenzene	414	UG/KG	U	U	
REG	Hexachlorobutadiene	414	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	414	UG/KG	U	U	
REG	Hexachloroethane	414	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	414	UG/KG	U	U	
REG	Isophorone	414	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	414	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	414	UG/KG	U	U	
REG	Naphthalene	414	UG/KG	U	U	
REG	Nitrobenzene	414	UG/KG	U	U	
REG	Pentachlorophenol	1030	UG/KG	U	U	
REG	Phenanthrene	414	UG/KG	U	U	
REG	Phenol	414	UG/KG	U	U	
REG	Pyrene	414	UG/KG	U	U	

Ft. Stewart - SWMU 1

Sample Type	Volatil Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	6.3	UG/KG	U	UJ	K01
REG	1,1,2,2-Tetrachloroethane	6.3	UG/KG	U	UJ	K01
REG	1,1,2-Trichloroethane	6.3	UG/KG	U	UJ	K01
REG	1,1-Dichloroethane	6.3	UG/KG	U	UJ	K01,C05
REG	1,1-Dichloroethene	6.3	UG/KG	U	UJ	K01
REG	1,2-Dichloroethane	6.3	UG/KG	U	UJ	K01
REG	1,2-Dichloropropane	6.3	UG/KG	U	UJ	K01
REG	1,2-cis-Dichloroethene	6.3	UG/KG	U	UJ	K01
REG	1,2-trans-Dichloroethene	6.3	UG/KG	U	UJ	K01
REG	1,3-cis-Dichloropropene	6.3	UG/KG	U	UJ	K01
REG	1,3-trans-Dichloropropene	6.3	UG/KG	U	UJ	K01
REG	2-Butanone	12.6	UG/KG	U	UJ	K01
REG	2-Hexanone	12.6	UG/KG	U	UJ	K01
REG	4-Methyl-2-pentanone	12.6	UG/KG	U	UJ	K01
REG	Acetone	72.3	UG/KG		J	K01
REG	Benzene	6.3	UG/KG	U	UJ	K01
REG	Bromodichloromethane	6.3	UG/KG	U	UJ	K01
REG	Bromoform	6.3	UG/KG	U	UJ	K01
REG	Bromomethane	12.6	UG/KG	U	UJ	K01
REG	Carbon Disulfide	6.3	UG/KG	U	UJ	K01
REG	Carbon Tetrachloride	6.3	UG/KG	U	UJ	K01
REG	Chlorobenzene	6.3	UG/KG	U	UJ	K01
REG	Chloroethane	12.6	UG/KG	U	UJ	K01
REG	Chloroform	6.3	UG/KG	U	UJ	K01
REG	Chloromethane	12.6	UG/KG	U	UJ	K01
REG	Dibromochloromethane	6.3	UG/KG	U	UJ	K01
REG	Ethylbenzene	6.3	UG/KG	U	UJ	K01
REG	Methylene Chloride	6.4	UG/KG	B	UJ	F01,F07,K01
REG	Styrene	6.3	UG/KG	U	UJ	K01
REG	Tetrachloroethene	6.3	UG/KG	U	UJ	K01
REG	Toluene	59.4	UG/KG		J	K01
REG	Trichloroethene	6.3	UG/KG	U	UJ	K01
REG	Vinyl Chloride	12.6	UG/KG	U	UJ	K01
REG	Xylenes, Total	6.3	UG/KG	U	UJ	K01
TIC REG	4.700 Benzene	4.7	UG/KG	NJ		
TIC REG	3.300 Naphthalene	3.3	UG/KG	NJ		

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.464	PCI/G	J	J		0.137
REG	Radium-228	0.297	PCI/G	U	U		0.165

011912 5.0 - 7.5 FT Field Sample Type: Grab Matrix: Soil Collected: 11/16/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.13	MG/KG	U	U	
REG	Barium	6.2	MG/KG	B	J	
REG	Cadmium	0.04	MG/KG	U	U	
REG	Chromium	3.7	MG/KG	B	J	F10
REG	Lead	3.3	MG/KG	*	=	
REG	Mercury	0.03	MG/KG	B	J	
REG	Selenium	0.09	MG/KG	U	UJ	P02
REG	Silver	0.02	MG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.4	UG/KG	U	U	
REG	4,4'-DDE	1.4	UG/KG	U	U	
REG	4,4'-DDT	1.4	UG/KG	U	U	
REG	Aldrin	0.71	UG/KG	U	U	
REG	Alpha Chlordane	0.71	UG/KG	U	U	
REG	Alpha-BHC	0.71	UG/KG	U	U	
REG	Aroclor-1016	3.5	UG/KG	U	U	
REG	Aroclor-1221	3.5	UG/KG	U	U	
REG	Aroclor-1232	3.5	UG/KG	U	U	
REG	Aroclor-1242	3.5	UG/KG	U	U	
REG	Aroclor-1248	3.5	UG/KG	U	U	
REG	Aroclor-1254	3.5	UG/KG	U	U	
REG	Aroclor-1260	3.5	UG/KG	U	U	
REG	Beta-BHC	0.71	UG/KG	U	U	
REG	Delta-BHC	0.71	UG/KG	U	U	
REG	Dieldrin	1.4	UG/KG	U	U	

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Location: SWMU-1
Station: SC-M19

SC-M19

011912

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Endosulfan I	0.71	UG/KG	U	U	
REG	Endosulfan II	1.4	UG/KG	U	U	
REG	Endosulfan Sulfate	1.4	UG/KG	U	U	
REG	Endrin	1.4	UG/KG	U	U	
REG	Endrin Ketone	1.4	UG/KG	U	U	
REG	Gamma Chlordane	0.71	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.71	UG/KG	U	U	
REG	Heptachlor	0.71	UG/KG	U	U	
REG	Heptachlor Epoxide	0.71	UG/KG	U	U	
REG	Methoxychlor	7.1	UG/KG	U	U	
REG	Toxaphene	35.4	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	361	UG/KG	U	U	
REG	1,2-Dichlorobenzene	361	UG/KG	U	U	
REG	1,3-Dichlorobenzene	361	UG/KG	U	U	
REG	1,4-Dichlorobenzene	361	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	361	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	903	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	361	UG/KG	U	U	
REG	2,4-Dichlorophenol	361	UG/KG	U	U	
REG	2,4-Dimethylphenol	361	UG/KG	U	U	
REG	2,4-Dinitrophenol	903	UG/KG	U	U	
REG	2,4-Dinitrotoluene	361	UG/KG	U	U	
REG	2,6-Dinitrotoluene	361	UG/KG	U	U	
REG	2-Chloronaphthalene	361	UG/KG	U	U	
REG	2-Chlorophenol	361	UG/KG	U	U	
REG	2-Methylnaphthalene	361	UG/KG	U	U	
REG	2-Methylphenol	361	UG/KG	U	U	
REG	2-Nitroaniline	903	UG/KG	U	U	
REG	2-Nitrophenol	361	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	722	UG/KG	U	U	
REG	3-Nitroaniline	903	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	903	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	361	UG/KG	U	U	
REG	4-Chloroaniline	361	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	361	UG/KG	U	U	
REG	4-Methylphenol	361	UG/KG	U	U	
REG	4-Nitroaniline	903	UG/KG	U	U	
REG	4-Nitrophenol	903	UG/KG	U	U	
REG	4-chloro-3-methylphenol	361	UG/KG	U	U	
REG	Acenaphthene	361	UG/KG	U	U	
REG	Acenaphthylene	361	UG/KG	U	U	
REG	Anthracene	361	UG/KG	U	U	
REG	Benzo(a)anthracene	361	UG/KG	U	U	
REG	Benzo(a)pyrene	361	UG/KG	U	U	
REG	Benzo(b)fluoranthene	361	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	361	UG/KG	U	U	
REG	Benzo(k)fluoranthene	361	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	361	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	361	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	361	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	361	UG/KG	U	U	
REG	Carbazole	361	UG/KG	U	UJ	C05
REG	Chrysene	361	UG/KG	U	U	
REG	Di-n-butyl Phthalate	361	UG/KG	U	U	
REG	Di-n-octyl Phthalate	361	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	361	UG/KG	U	U	
REG	Dibenzofuran	361	UG/KG	U	U	
REG	Diethyl Phthalate	361	UG/KG	U	U	
REG	Dimethyl Phthalate	361	UG/KG	U	U	
REG	Fluoranthene	361	UG/KG	U	U	
REG	Fluorene	361	UG/KG	U	U	
REG	Hexachlorobenzene	361	UG/KG	U	U	
REG	Hexachlorobutadiene	361	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	361	UG/KG	U	U	
REG	Hexachloroethane	361	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	361	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M19 SC-M19

011912

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 11/16/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Isophorone	361	UG/KG	U	U		
REG	N-Nitroso-di-n-propylamine	361	UG/KG	U	U		
REG	N-Nitrosodiphenylamine	361	UG/KG	U	U		
REG	Naphthalene	361	UG/KG	U	U		
REG	Nitrobenzene	361	UG/KG	U	U		
REG	Pentachlorophenol	903	UG/KG	U	U		
REG	Phenanthrene	361	UG/KG	U	U		
REG	Phenol	361	UG/KG	U	U		
REG	Pyrene	361	UG/KG	U	U		
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	5.4	UG/KG	U	UJ	K01	
REG	1,1,2,2-Tetrachloroethane	5.4	UG/KG	U	U		
REG	1,1,2-Trichloroethane	5.4	UG/KG	U	UJ	K01	
REG	1,1-Dichloroethane	5.4	UG/KG	U	UJ	C05	
REG	1,1-Dichloroethene	5.4	UG/KG	U	U		
REG	1,2-Dichloroethane	5.4	UG/KG	U	U		
REG	1,2-Dichloropropane	5.4	UG/KG	U	UJ	K01	
REG	1,2-cis-Dichloroethene	5.4	UG/KG	U	U		
REG	1,2-trans-Dichloroethene	5.4	UG/KG	U	U		
REG	1,3-cis-Dichloropropene	5.4	UG/KG	U	UJ	K01	
REG	1,3-trans-Dichloropropene	5.4	UG/KG	U	UJ	K01	
REG	2-Butanone	10.9	UG/KG	U	U		
REG	2-Hexanone	10.9	UG/KG	U	U		
REG	4-Methyl-2-pentanone	10.9	UG/KG	U	U		
REG	Acetone	10.9	UG/KG	U	U		
REG	Benzene	5.4	UG/KG	U	UJ	K01	
REG	Bromodichloromethane	5.4	UG/KG	U	UJ	K01	
REG	Bromoform	5.4	UG/KG	U	UJ	K01	
REG	Bromomethane	10.9	UG/KG	U	U		
REG	Carbon Disulfide	5.4	UG/KG	U	U		
REG	Carbon Tetrachloride	5.4	UG/KG	U	UJ	K01	
REG	Chlorobenzene	5.4	UG/KG	U	U		
REG	Chloroethane	10.9	UG/KG	U	U		
REG	Chloroform	5.4	UG/KG	U	U		
REG	Chloromethane	10.9	UG/KG	U	U		
REG	Dibromochloromethane	5.4	UG/KG	U	UJ	K01	
REG	Ethylbenzene	5.4	UG/KG	U	U		
REG	Methylene Chloride	7.4	UG/KG	B	U	F01,F07	
REG	Styrene	5.4	UG/KG	U	U		
REG	Tetrachloroethene	5.4	UG/KG	U	U		
REG	Toluene	5.4	UG/KG	U	U		
REG	Trichloroethene	5.4	UG/KG	U	UJ	K01	
REG	Vinyl Chloride	10.9	UG/KG	U	U		
REG	Xylenes, Total	5.4	UG/KG	U	U		
TIC REG	3.100 Benzene	3.1	UG/KG	NJ			
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.480	PCI/G	J	J		0.0962
REG	Radium-228	0.556	PCI/G	J	J		0.134

012911

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/12/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	0.255	MG/L		=	
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.70	UG/L	B	J	
REG	Barium	101	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	10.9	UG/L		=	
REG	Iron	1890	UG/L		=	
REG	Lead	11.3	UG/L	*	J	J01,J02
REG	Mercury	0.07	UG/L	B	J	

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Location: SWMU-1
Station : SC-M19 SC-M19

012911

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/12/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Selenium	2.1	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	6.6	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	0.66	UG/L	B	U	F01,F06
REG	Lead	6	UG/L	*	J	J01,J02
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	1.2	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	UJ	G02
REG	2,4,6-Trichlorophenol	10	UG/L	U	UJ	G02
REG	2,4-Dichlorophenol	10	UG/L	U	UJ	G02
REG	2,4-Dimethylphenol	10	UG/L	U	UJ	G02
REG	2,4-Dinitrophenol	25	UG/L	U	UJ	G02
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	UJ	G02
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	UJ	G02
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	UJ	G02
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	UJ	G02
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M19

SC-M19

012911

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/12/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	UJ	G02
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	UJ	G02
REG	4-chloro-3-methylphenol	10	UG/L	U	UJ	G02
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	UJ	G02
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	UJ	G02
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	UJ	A03
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	UJ	A03
REG	1,1,2-Trichloroethane	5	UG/L	U	UJ	A03
REG	1,1-Dichloroethane	5	UG/L	U	UJ	A03
REG	1,1-Dichloroethene	5	UG/L	U	UJ	A03
REG	1,2-Dichloroethane	5	UG/L	U	UJ	A03
REG	1,2-Dichloropropane	5	UG/L	U	UJ	A03
REG	1,2-cis-Dichloroethene	5	UG/L	U	UJ	A03
REG	1,2-trans-Dichloroethene	5	UG/L	U	UJ	A03
REG	1,3-cis-Dichloropropene	5	UG/L	U	UJ	A03
REG	1,3-trans-Dichloropropene	5	UG/L	U	UJ	A03
REG	2-Butanone	10	UG/L	U	UJ	A03
REG	2-Hexanone	10	UG/L	U	UJ	A03
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	A03
REG	Acetone	10	UG/L	U	UJ	A03,C05
REG	Benzene	2	UG/L	U	UJ	A03
REG	Bromodichloromethane	5	UG/L	U	UJ	A03
REG	Bromoform	5	UG/L	U	UJ	A03
REG	Bromomethane	10	UG/L	U	UJ	A03
REG	Carbon Disulfide	5	UG/L	U	U	A03
REG	Carbon Tetrachloride	5	UG/L	U	UJ	A03
REG	Chlorobenzene	5	UG/L	U	UJ	A03
REG	Chloroethane	10	UG/L	U	UJ	A03
REG	Chloroform	5	UG/L	U	UJ	A03

Location: SWMU-1
Station : SC-M19 SC-M19

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012911

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/12/97

Sample Type	Volatil Organic	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Chloromethane	10	UG/L	U	UJ	A03	
REG	Dibromochloromethane	5	UG/L	U	UJ	A03	
REG	Ethylbenzene	5	UG/L	U	UJ	A03	
REG	Methylene Chloride	2	UG/L	U	UJ	A03	
REG	Styrene	5	UG/L	U	UJ	A03	
REG	Tetrachloroethene	5	UG/L	U	UJ	A03	
REG	Toluene	2	UG/L	J	UJ	A03,F04,F06	
REG	Trichloroethene	5	UG/L	U	UJ	A03	
REG	Vinyl Acetate	10	UG/L	U	UJ	A03,C05	
REG	Vinyl Chloride	2	UG/L	U	UJ	A03	
REG	Xylenes, Total	5	UG/L	U	UJ	A03	
Sample Type	Radiological	Result	Units	Qualifiers		Validation Code	Unc.
				Lab	Data		
REG	Radium-226	1.63	PCI/L	=			0.77
REG	Radium-228	4.15	PCI/L	=			0.57

Location: SWMU-1
Station : SC-M1A SC-M1A

012F11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/11/97

Sample Type	Common Anions	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Sulfate	0.313	MG/L	=			
Sample Type	Metals	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	Arsenic	0.6	UG/L	U	U		
REG	Barium	29.9	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	3	UG/L	B	J		
REG	Iron	10700	UG/L		=		
REG	Lead	0.47	UG/L	B	J		
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	0.53	UG/L	B	J	F10	
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code	
				Lab	Data		
REG	4,4'-DDD	0.04	UG/L	U	U		
REG	4,4'-DDE	0.04	UG/L	U	U		
REG	4,4'-DDT	0.04	UG/L	U	U		
REG	Aldrin	0.02	UG/L	U	U		
REG	Alpha Chlordane	0.02	UG/L	U	UJ	C08	
REG	Alpha-BHC	0.02	UG/L	U	U		
REG	Aroclor-1016	0.1	UG/L	U	U		
REG	Aroclor-1221	0.1	UG/L	U	U		
REG	Aroclor-1232	0.1	UG/L	U	U		
REG	Aroclor-1242	0.1	UG/L	U	U		
REG	Aroclor-1248	0.1	UG/L	U	U		
REG	Aroclor-1254	0.1	UG/L	U	U		
REG	Aroclor-1260	0.1	UG/L	U	U		
REG	Beta-BHC	0.02	UG/L	U	UJ	C08	
REG	Delta-BHC	0.02	UG/L	U	U		
REG	Dieldrin	0.04	UG/L	U	U		
REG	Endosulfan I	0.02	UG/L	U	U		
REG	Endosulfan II	0.04	UG/L	U	UJ	C08	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	C08	
REG	Endrin	0.04	UG/L	U	U		
REG	Endrin Aldehyde	0.04	UG/L	U	UJ	C08	
REG	Endrin Ketone	0.04	UG/L	U	UJ	C08	
REG	Gamma Chlordane	0.02	UG/L	U	UJ	C08	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U		
REG	Heptachlor	0.02	UG/L	U	U		
REG	Heptachlor Epoxide	0.02	UG/L	U	UJ	C08	
REG	Methoxychlor	0.2	UG/L	U	U		

Ft. Stewart - SWMU 1

Location: SWMU-1
 Station : SC-M1A SC-M1A

012F11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/11/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Toxaphene	1	UG/L	U	U	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.8	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.8	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.8	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.8	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.8	UG/L	U	U	
REG	2,4,5-Trichlorophenol	26.9	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.8	UG/L	U	U	
REG	2,4-Dichlorophenol	10.8	UG/L	U	U	
REG	2,4-Dimethylphenol	10.8	UG/L	U	U	
REG	2,4-Dinitrophenol	26.9	UG/L	U	UJ	C05
REG	2,4-Dinitrotoluene	10.8	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.8	UG/L	U	U	
REG	2-Chloronaphthalene	0.22	UG/L	U	U	
REG	2-Chlorophenol	10.8	UG/L	U	U	
REG	2-Methylnaphthalene	10.8	UG/L	U	U	
REG	2-Methylphenol	10.8	UG/L	U	U	
REG	2-Nitroaniline	26.9	UG/L	U	U	
REG	2-Nitrophenol	10.8	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	21.5	UG/L	U	U	
REG	3-Nitroaniline	26.9	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	26.9	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.8	UG/L	U	U	
REG	4-Chloroaniline	10.8	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.8	UG/L	U	U	
REG	4-Methylphenol	10.8	UG/L	U	U	
REG	4-Nitroaniline	26.9	UG/L	U	UJ	C05
REG	4-Nitrophenol	26.9	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.8	UG/L	U	U	
REG	Acenaphthene	0.22	UG/L	U	U	
REG	Acenaphthylene	0.22	UG/L	U	U	
REG	Anthracene	0.22	UG/L	U	U	
REG	Benzo(a)anthracene	0.22	UG/L	U	U	
REG	Benzo(a)pyrene	0.22	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.22	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.22	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.22	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.8	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.8	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.8	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.8	UG/L	U	U	
REG	Carbazole	10.8	UG/L	U	UJ	C05
REG	Chrysene	0.22	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.8	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.8	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.22	UG/L	U	U	
REG	Dibenzofuran	10.8	UG/L	U	U	
REG	Diethyl Phthalate	0.66	UG/L	J	J	G01
REG	Dimethyl Phthalate	10.8	UG/L	U	U	
REG	Fluoranthene	0.22	UG/L	U	U	
REG	Fluorene	0.22	UG/L	U	U	
REG	Hexachlorobenzene	10.8	UG/L	U	U	
REG	Hexachlorobutadiene	10.8	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.8	UG/L	U	U	
REG	Hexachloroethane	10.8	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.22	UG/L	U	U	
REG	Isophorone	10.8	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.8	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.8	UG/L	U	U	
REG	Naphthalene	0.22	UG/L	U	U	
REG	Nitrobenzene	10.8	UG/L	U	U	
REG	Pentachlorophenol	26.9	UG/L	U	U	
REG	Phenanthrene	0.22	UG/L	U	U	
REG	Phenol	10.8	UG/L	U	U	
REG	Pyrene	10.8	UG/L	U	U	

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Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	0.69	UG/L	J	J	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	0.84	UG/L	J	J	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	15.1	UG/L		J	C01
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	0.3	UG/L	J	J	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	0.27	UG/L	J	J	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	C05
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	0.74	UG/L	J	J	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.823	PCI/L	J	J		0.481
REG	Radium-228	2.69	PCI/L		=		0.530

Location: SWMU-1

Station: SC-M2 SC-M2

012G11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/10/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	1.85	MG/L		=	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	27	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	0.8	UG/L	B	J	
REG	Iron	888	UG/L		=	
REG	Lead	0.52	UG/L	B	J	
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	0.4	UG/L	U	R	F10
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	UJ	C08
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M2 SC-M2

012G11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/10/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	UJ	C08
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	UJ	C08
REG	Endosulfan Sulfate	0.04	UG/L	U	UJ	C08
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Aldehyde	0.04	UG/L	U	UJ	C08
REG	Endrin Ketone	0.04	UG/L	U	UJ	C08
REG	Gamma Chlordane	0.02	UG/L	U	UJ	C08
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	UJ	C08
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	9.8	UG/L	U	U	
REG	1,2-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,3-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,4-Dichlorobenzene	9.8	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	9.8	UG/L	U	U	
REG	2,4,5-Trichlorophenol	24.5	UG/L	U	U	
REG	2,4,6-Trichlorophenol	9.8	UG/L	U	U	
REG	2,4-Dichlorophenol	9.8	UG/L	U	U	
REG	2,4-Dimethylphenol	9.8	UG/L	U	U	
REG	2,4-Dinitrophenol	24.5	UG/L	U	U	
REG	2,4-Dinitrotoluene	9.8	UG/L	U	U	
REG	2,6-Dinitrotoluene	9.8	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	9.8	UG/L	U	U	
REG	2-Methylnaphthalene	9.8	UG/L	U	U	
REG	2-Methylphenol	9.8	UG/L	U	U	
REG	2-Nitroaniline	24.5	UG/L	U	U	
REG	2-Nitrophenol	9.8	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	19.6	UG/L	U	U	
REG	3-Nitroaniline	24.5	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	24.5	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	9.8	UG/L	U	U	
REG	4-Chloroaniline	9.8	UG/L	U	UJ	C05
REG	4-Chlorophenyl-phenylether	9.8	UG/L	U	U	
REG	4-Methylphenol	9.8	UG/L	U	U	
REG	4-Nitroaniline	24.5	UG/L	U	UJ	C05
REG	4-Nitrophenol	24.5	UG/L	U	UJ	C05
REG	4-chloro-3-methylphenol	9.8	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	9.8	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	9.8	UG/L	JB	UJ	F01,F06
REG	Butyl Benzyl Phthalate	9.8	UG/L	U	U	
REG	Carbazole	9.8	UG/L	U	UJ	C05
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	9.8	UG/L	U	U	
REG	Di-n-octyl Phthalate	9.8	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	9.8	UG/L	U	U	

Location: SWMU-1
Station: SC-M2 SC-M2

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012G11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/10/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Diethyl Phthalate	0.93	UG/L	J	J	G01
REG	Dimethyl Phthalate	9.8	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	9.8	UG/L	U	U	
REG	Hexachlorobutadiene	9.8	UG/L	U	U	
REG	Hexachlorocyclopentadiene	9.8	UG/L	U	U	
REG	Hexachloroethane	9.8	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	9.8	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U	
REG	N-Nitrosodiphenylamine	9.8	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	9.8	UG/L	U	U	
REG	Pentachlorophenol	24.5	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	9.8	UG/L	U	U	
REG	Pyrene	9.8	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	0.46	UG/L	J	J	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	C01
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	C05
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	1.32	PCI/L		J	T04	0.728
REG	Radium-228	2.31	PCI/L		=		0.632

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M3 SC-M3

012H11

Field Sample Type: Grab Matrix: Groundwater

Collected: 12/14/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	2.68	MG/L	=		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	1.7	UG/L	B	J	
REG	Barium	38.2	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	3.6	UG/L	B	U	F01,F06
REG	Iron	1110	UG/L		=	
REG	Lead	4.9	UG/L	*	J	J01,J02
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	2.8	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	

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Location: SWMU-1

Station: SC-M3 SC-M3

012H11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	3.7	UG/L	J	J	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	0.64	UG/L	J	J	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	UJ	K01
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	UJ	K01
REG	1,1,2-Trichloroethane	5	UG/L	U	UJ	K01
REG	1,1-Dichloroethane	5	UG/L	U	UJ	K01
REG	1,1-Dichloroethene	5	UG/L	U	UJ	K01
REG	1,2-Dichloroethane	5	UG/L	U	UJ	K01
REG	1,2-Dichloropropane	5	UG/L	U	UJ	K01
REG	1,2-cis-Dichloroethene	5	UG/L	U	UJ	K01
REG	1,2-trans-Dichloroethene	5	UG/L	U	UJ	K01
REG	1,3-cis-Dichloropropene	5	UG/L	U	UJ	K01
REG	1,3-trans-Dichloropropene	5	UG/L	U	UJ	K01
REG	2-Butanone	10	UG/L	U	UJ	K01
REG	2-Hexanone	10	UG/L	U	UJ	K01
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	K01
REG	Acetone	10	UG/L	U	UJ	K01,C05
REG	Benzene	2	UG/L	U	UJ	K01
REG	Bromodichloromethane	5	UG/L	U	UJ	K01
REG	Bromoform	5	UG/L	U	UJ	K01
REG	Bromomethane	10	UG/L	U	UJ	C05,K01
REG	Carbon Disulfide	5	UG/L	U	UJ	K01,C05
REG	Carbon Tetrachloride	5	UG/L	U	UJ	K01
REG	Chlorobenzene	5	UG/L	U	UJ	K01
REG	Chloroethane	10	UG/L	U	UJ	K01
REG	Chloroform	5	UG/L	U	UJ	K01

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M3 SC-M3

012H11 Field Sample Type: Grab Matrix: Groundwater Collected: 12/14/97

Sample Type	Volatiles Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Chloromethane	10	UG/L	U	UJ	K01	
REG	Dibromochloromethane	5	UG/L	U	UJ	K01	
REG	Ethylbenzene	5	UG/L	U	UJ	K01	
REG	Methylene Chloride	2	UG/L	U	UJ	K01	
REG	Styrene	5	UG/L	U	UJ	K01	
REG	Tetrachloroethene	5	UG/L	U	UJ	K01	
REG	Toluene	2	UG/L	U	UJ	K01	
REG	Trichloroethene	5	UG/L	U	UJ	K01	
REG	Vinyl Acetate	10	UG/L	U	UJ	K01,C05	
REG	Vinyl Chloride	2	UG/L	U	UJ	K01	
REG	Xylenes, Total	5	UG/L	U	UJ	K01	
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0	PCI/L	U	U		0.45
REG	Radium-228	2.68	PCI/L		=		0.48

Location: SWMU-1
Station : SC-M4 SC-M4

012J11 Field Sample Type: Grab Matrix: Groundwater Collected: 12/10/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Sulfate	2.91	MG/L		=		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.6	UG/L	U	U		
REG	Barium	114	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	0.71	UG/L	B	J		
REG	Iron	3950	UG/L		=		
REG	Lead	0.16	UG/L	B	J		
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	0.4	UG/L	U	R	F10	
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	U		
REG	4,4'-DDE	0.04	UG/L	U	U		
REG	4,4'-DDT	0.04	UG/L	U	U		
REG	Aldrin	0.02	UG/L	U	U		
REG	Alpha Chlordane	0.02	UG/L	U	UJ	C08	
REG	Alpha-BHC	0.02	UG/L	U	U		
REG	Aroclor-1016	0.099	UG/L	U	U		
REG	Aroclor-1221	0.099	UG/L	U	U		
REG	Aroclor-1232	0.099	UG/L	U	U		
REG	Aroclor-1242	0.099	UG/L	U	U		
REG	Aroclor-1248	0.099	UG/L	U	U		
REG	Aroclor-1254	0.099	UG/L	U	U		
REG	Aroclor-1260	0.099	UG/L	U	U		
REG	Beta-BHC	0.02	UG/L	U	UJ	C08	
REG	Delta-BHC	0.02	UG/L	U	U		
REG	Dieldrin	0.04	UG/L	U	U		
REG	Endosulfan I	0.02	UG/L	U	U		
REG	Endosulfan II	0.04	UG/L	U	UJ	C08	
REG	Endosulfan Sulfate	0.04	UG/L	U	UJ	C08	
REG	Endrin	0.04	UG/L	U	U		
REG	Endrin Aldehyde	0.04	UG/L	U	UJ	C08	
REG	Endrin Ketone	0.04	UG/L	U	UJ	C08	
REG	Gamma Chlordane	0.02	UG/L	U	UJ	C08	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U		
REG	Heptachlor	0.02	UG/L	U	U		
REG	Heptachlor Epoxide	0.02	UG/L	U	UJ	C08	
REG	Methoxychlor	0.2	UG/L	U	U		

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Location: SWMU-1
Station: SC-M4

SC-M4

012J11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/10/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Toxaphene	0.99	UG/L	U	U	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	9.8	UG/L	U	U	
REG	1,2-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,3-Dichlorobenzene	9.8	UG/L	U	U	
REG	1,4-Dichlorobenzene	9.8	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	9.8	UG/L	U	U	
REG	2,4,5-Trichlorophenol	24.5	UG/L	U	U	
REG	2,4,6-Trichlorophenol	9.8	UG/L	U	U	
REG	2,4-Dichlorophenol	9.8	UG/L	U	U	
REG	2,4-Dimethylphenol	9.8	UG/L	U	U	
REG	2,4-Dinitrophenol	24.5	UG/L	U	U	
REG	2,4-Dinitrotoluene	9.8	UG/L	U	U	
REG	2,6-Dinitrotoluene	9.8	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	9.8	UG/L	U	U	
REG	2-Methylnaphthalene	9.8	UG/L	U	U	
REG	2-Methylphenol	9.8	UG/L	U	U	
REG	2-Nitroaniline	24.5	UG/L	U	U	
REG	2-Nitrophenol	9.8	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	19.6	UG/L	U	U	
REG	3-Nitroaniline	24.5	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	24.5	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	9.8	UG/L	U	U	
REG	4-Chloroaniline	9.8	UG/L	U	UJ	C05
REG	4-Chlorophenyl-phenylether	9.8	UG/L	U	U	
REG	4-Methylphenol	9.8	UG/L	U	U	
REG	4-Nitroaniline	24.5	UG/L	U	UJ	C05
REG	4-Nitrophenol	24.5	UG/L	U	UJ	C05
REG	4-chloro-3-methylphenol	9.8	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	9.8	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	9.8	UG/L	JB	UJ	F01,F06
REG	Butyl Benzyl Phthalate	9.8	UG/L	U	U	
REG	Carbazole	9.8	UG/L	U	UJ	C05
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	9.8	UG/L	U	U	
REG	Di-n-octyl Phthalate	9.8	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	9.8	UG/L	U	U	
REG	Diethyl Phthalate	5.2	UG/L	J	J	G01
REG	Dimethyl Phthalate	9.8	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	9.8	UG/L	U	U	
REG	Hexachlorobutadiene	9.8	UG/L	U	U	
REG	Hexachlorocyclopentadiene	9.8	UG/L	U	U	
REG	Hexachloroethane	9.8	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	9.8	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U	
REG	N-Nitrosodiphenylamine	9.8	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	9.8	UG/L	U	U	
REG	Pentachlorophenol	24.5	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	9.8	UG/L	U	U	
REG	Pyrene	9.8	UG/L	U	U	

Ft. Stewart - SWMU 1

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	1.1	UG/L	J	J	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	C01
REG	Benzene	2.5	UG/L		=	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	C05
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	1.22	PCI/L		J	T04	0.644
REG	Radium-228	1.42	PCI/L		=		0.421

Location: SWMU-1

Station : SC-M5 SC-M5

012K11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	187	MG/L		=	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	63.2	UG/L	B	J	
REG	Cadmium	0.25	UG/L	B	J	
REG	Chromium	0.6	UG/L	U	U	
REG	Iron	22000	UG/L		=	
REG	Lead	2.3	UG/L	*	J	J01,J02
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	0.4	UG/L	U	U	
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	

Location: SWMU-1
Station: SC-M5

SC-M5

012K11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	4.3	UG/L	J	J	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	0.56	UG/L	J	J	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M5 SC-M5

012K11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C05
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	UJ	C05
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	C05
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	1.58	PCI/L		=		0.73
REG	Radium-228	6.9	PCI/L		=		0.66

Location: SWMU-1

Station : SC-M6A SC-M6A

012M11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/10/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
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443

Location: SWMU-1
 Station : SC-M6A SC-M6A

012M11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/10/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	6.6	MG/L	=		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	35.4	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	7.9	UG/L	B	J	
REG	Iron	1080	UG/L		=	
REG	Lead	3.6	UG/L		=	
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	1.4	UG/L	B	J	F10
REG	Silver	0.07	UG/L	U	U	
Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	23	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	1.3	UG/L	B	J	
REG	Lead	0.07	UG/L	B	J	
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	0.82	UG/L	B	J	F10
REG	Silver	0.07	UG/L	U	U	
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	UJ	C08
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	UJ	C08
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	UJ	C08
REG	Endosulfan Sulfate	0.04	UG/L	U	UJ	C08
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Aldehyde	0.04	UG/L	U	UJ	C08
REG	Endrin Ketone	0.04	UG/L	U	UJ	C08
REG	Gamma Chlordane	0.02	UG/L	U	UJ	C08
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	UJ	C08
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.4	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.4	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.4	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.4	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.4	UG/L	U	U	
REG	2,4,5-Trichlorophenol	26	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.4	UG/L	U	U	
REG	2,4-Dichlorophenol	10.4	UG/L	U	U	
REG	2,4-Dimethylphenol	10.4	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M6A SC-M6A

012M11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/10/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4-Dinitrophenol	26	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.4	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.4	UG/L	U	U	
REG	2-Chloronaphthalene	0.21	UG/L	U	U	
REG	2-Chlorophenol	10.4	UG/L	U	U	
REG	2-Methylnaphthalene	10.4	UG/L	U	U	
REG	2-Methylphenol	10.4	UG/L	U	U	
REG	2-Nitroaniline	26	UG/L	U	U	
REG	2-Nitrophenol	10.4	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20.8	UG/L	U	U	
REG	3-Nitroaniline	26	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	26	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.4	UG/L	U	U	
REG	4-Chloroaniline	10.4	UG/L	U	UJ	C05
REG	4-Chlorophenyl-phenylether	10.4	UG/L	U	U	
REG	4-Methylphenol	10.4	UG/L	U	U	
REG	4-Nitroaniline	26	UG/L	U	UJ	C05
REG	4-Nitrophenol	26	UG/L	U	UJ	C05
REG	4-chloro-3-methylphenol	10.4	UG/L	U	U	
REG	Acenaphthene	0.21	UG/L	U	U	
REG	Acenaphthylene	0.21	UG/L	U	U	
REG	Anthracene	0.21	UG/L	U	U	
REG	Benzo(a)anthracene	0.21	UG/L	U	U	
REG	Benzo(a)pyrene	0.21	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.21	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.21	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.21	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.4	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.4	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.4	UG/L	JB	U	F01,F06
REG	Butyl Benzyl Phthalate	10.4	UG/L	U	U	
REG	Carbazole	10.4	UG/L	U	UJ	C05
REG	Chrysene	0.21	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.4	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.4	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.21	UG/L	U	U	
REG	Dibenzofuran	10.4	UG/L	U	U	
REG	Diethyl Phthalate	10.4	UG/L	U	U	
REG	Dimethyl Phthalate	10.4	UG/L	U	U	
REG	Fluoranthene	0.21	UG/L	U	U	
REG	Fluorene	0.21	UG/L	U	U	
REG	Hexachlorobenzene	10.4	UG/L	U	U	
REG	Hexachlorobutadiene	10.4	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.4	UG/L	U	U	
REG	Hexachloroethane	10.4	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.21	UG/L	U	U	
REG	Isophorone	10.4	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.4	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.4	UG/L	U	U	
REG	Naphthalene	0.21	UG/L	U	U	
REG	Nitrobenzene	10.4	UG/L	U	U	
REG	Pentachlorophenol	26	UG/L	U	U	
REG	Phenanthrene	0.21	UG/L	U	U	
REG	Phenol	10.4	UG/L	U	U	
REG	Pyrene	10.4	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	

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Location: SWMU-1
Station: SC-M6A SC-M6A

012M11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/10/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	2-Butanone	10	UG/L	U	U		
REG	2-Hexanone	10	UG/L	U	U		
REG	4-Methyl-2-pentanone	10	UG/L	U	U		
REG	Acetone	10	UG/L	U	R	C01	
REG	Benzene	2	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	10	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	10	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	10	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Acetate	10	UG/L	U	UJ	C05	
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.830	PCI/L	J	J		0.573
REG	Radium-228	1.78	PCI/L		=		0.452

Location: SWMU-1
Station: SC-M7 SC-M7

012N11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Sulfate	0.915	MG/L		=		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.6	UG/L	U	U		
REG	Barium	49.7	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	1.9	UG/L	B	U	F01,F06	
REG	Iron	1520	UG/L		=		
REG	Lead	0.12	UG/L	B*	U	F06	
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	2.9	UG/L	B	U	F01,F06	
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	U		
REG	4,4'-DDE	0.04	UG/L	U	U		
REG	4,4'-DDT	0.04	UG/L	U	U		
REG	Aldrin	0.02	UG/L	U	U		
REG	Alpha Chlordane	0.02	UG/L	U	U		
REG	Alpha-BHC	0.02	UG/L	U	U		
REG	Aroclor-1016	0.11	UG/L	U	U		
REG	Aroclor-1221	0.11	UG/L	U	U		
REG	Aroclor-1232	0.11	UG/L	U	U		
REG	Aroclor-1242	0.11	UG/L	U	U		
REG	Aroclor-1248	0.11	UG/L	U	U		
REG	Aroclor-1254	0.11	UG/L	U	U		
REG	Aroclor-1260	0.11	UG/L	U	U		
REG	Beta-BHC	0.02	UG/L	U	U		

Ft. Stewart - SWMU 1

Location: SWMU-1

Station : SC-M7 SC-M7

012N11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.22	UG/L	U	U	
REG	Toxaphene	1.1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	

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Location: SWMU-1
Station : SC-M7

SC-M7

012N11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	0.56	UG/L	J	J	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	0.24	UG/L	J	J	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	J	UJ	C05,F04,F06
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	UJ	C05
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	C05
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	
TIC REG	2.700 2,2,5-Trimethylhexane	2.7	UG/L	NJ		

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.343	PCI/L	U	U		0.53
REG	Radium-228	2.69	PCI/L		=		0.39

Location: SWMU-1
Station : SC-M8

SC-M8

012P11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	15.2	MG/L		=	

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
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Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M8 SC-M8

012P11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	73.8	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	2.4	UG/L	B	U	F01,F06
REG	Iron	140	UG/L		=	
REG	Lead	0.2	UG/L	B*	U	F06
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	1.5	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.3	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.3	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.3	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.3	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.3	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25.8	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.3	UG/L	U	U	
REG	2,4-Dichlorophenol	10.3	UG/L	U	U	
REG	2,4-Dimethylphenol	10.3	UG/L	U	U	
REG	2,4-Dinitrophenol	25.8	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.3	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.3	UG/L	U	U	
REG	2-Chloronaphthalene	0.21	UG/L	U	U	
REG	2-Chlorophenol	10.3	UG/L	U	U	
REG	2-Methylnaphthalene	10.3	UG/L	U	U	
REG	2-Methylphenol	10.3	UG/L	U	U	
REG	2-Nitroaniline	25.8	UG/L	U	U	
REG	2-Nitrophenol	10.3	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20.6	UG/L	U	U	
REG	3-Nitroaniline	25.8	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25.8	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.3	UG/L	U	U	
REG	4-Chloroaniline	10.3	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.3	UG/L	U	U	
REG	4-Methylphenol	10.3	UG/L	U	U	
REG	4-Nitroaniline	25.8	UG/L	U	U	

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Location: SWMU-1

Station: SC-M8 SC-M8

012P11

Field Sample Type: Grab

Matrix: Groundwater

Collected: 12/14/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Nitrophenol	25.8	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.3	UG/L	U	U	
REG	Acenaphthene	0.21	UG/L	U	U	
REG	Acenaphthylene	0.21	UG/L	U	U	
REG	Anthracene	0.21	UG/L	U	U	
REG	Benzo(a)anthracene	0.21	UG/L	U	U	
REG	Benzo(a)pyrene	0.21	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.21	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.21	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.21	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.3	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.3	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.3	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.3	UG/L	U	U	
REG	Carbazole	10.3	UG/L	U	U	
REG	Chrysene	0.21	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.3	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.3	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.21	UG/L	U	U	
REG	Dibenzofuran	10.3	UG/L	U	U	
REG	Diethyl Phthalate	10.3	UG/L	U	U	
REG	Dimethyl Phthalate	10.3	UG/L	U	U	
REG	Fluoranthene	0.21	UG/L	U	U	
REG	Fluorene	0.21	UG/L	U	U	
REG	Hexachlorobenzene	10.3	UG/L	U	U	
REG	Hexachlorobutadiene	10.3	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.3	UG/L	U	U	
REG	Hexachloroethane	10.3	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.21	UG/L	U	U	
REG	Isophorone	10.3	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.3	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.3	UG/L	U	U	
REG	Naphthalene	0.21	UG/L	U	U	
REG	Nitrobenzene	10.3	UG/L	U	U	
REG	Pentachlorophenol	25.8	UG/L	U	U	
REG	Phenanthrene	0.21	UG/L	U	U	
REG	Phenol	10.3	UG/L	U	U	
REG	Pyrene	10.3	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C05
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	UJ	C05
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M8 SC-M8

012P11 Field Sample Type: Grab Matrix: Groundwater Collected: 12/14/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Acetate	10	UG/L	U	UJ	C05	
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.786	PCI/L	J	J		0.51
REG	Radium-228	1.78	PCI/L		=		0.55

Location: SWMU-1
Station : SC-M9 SC-M9

012S11 Field Sample Type: Grab Matrix: Groundwater Collected: 12/10/97

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Sulfate	5.67	MG/L		=		
Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.6	UG/L	U	U		
REG	Barium	23.4	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	1.2	UG/L	B	J		
REG	Iron	1240	UG/L		=		
REG	Lead	0.12	UG/L	B	J		
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	0.4	UG/L	U	R	F10	
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	U		
REG	4,4'-DDE	0.04	UG/L	U	U		
REG	4,4'-DDT	0.04	UG/L	U	U		
REG	Aldrin	0.02	UG/L	U	U		
REG	Alpha Chlordane	0.02	UG/L	U	UJ	C08	
REG	Alpha-BHC	0.02	UG/L	U	U		
REG	Aroclor-1016	0.1	UG/L	U	U		
REG	Aroclor-1221	0.1	UG/L	U	U		
REG	Aroclor-1232	0.1	UG/L	U	U		
REG	Aroclor-1242	0.1	UG/L	U	U		
REG	Aroclor-1248	0.1	UG/L	U	U		
REG	Aroclor-1254	0.1	UG/L	U	U		
REG	Aroclor-1260	0.1	UG/L	U	U		
REG	Beta-BHC	0.02	UG/L	U	UJ	C08	
REG	Delta-BHC	0.02	UG/L	U	U		
REG	Dieldrin	0.04	UG/L	U	U		
REG	Endosulfan I	0.02	UG/L	U	U		
REG	Endosulfan II	0.04	UG/L	U	UJ	C08	
REG	Endosulfan Sulfate	0.04	UG/L	U	UJ	C08	
REG	Endrin	0.04	UG/L	U	U		
REG	Endrin Aldehyde	0.04	UG/L	U	UJ	C08	
REG	Endrin Ketone	0.04	UG/L	U	UJ	C08	
REG	Gamma Chlordane	0.02	UG/L	U	UJ	C08	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U		
REG	Heptachlor	0.02	UG/L	U	U		
REG	Heptachlor Epoxide	0.02	UG/L	U	UJ	C08	
REG	Methoxychlor	0.2	UG/L	U	U		
REG	Toxaphene	1	UG/L	U	U		

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Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.1	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.1	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.1	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.1	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.1	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25.2	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.1	UG/L	U	U	
REG	2,4-Dichlorophenol	10.1	UG/L	U	U	
REG	2,4-Dimethylphenol	10.1	UG/L	U	U	
REG	2,4-Dinitrophenol	25.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.1	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10.1	UG/L	U	U	
REG	2-Methylnaphthalene	10.1	UG/L	U	U	
REG	2-Methylphenol	10.1	UG/L	U	U	
REG	2-Nitroaniline	25.2	UG/L	U	U	
REG	2-Nitrophenol	10.1	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20.2	UG/L	U	U	
REG	3-Nitroaniline	25.2	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	25.2	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.1	UG/L	U	U	
REG	4-Chloroaniline	10.1	UG/L	U	UJ	C05
REG	4-Chlorophenyl-phenylether	10.1	UG/L	U	U	
REG	4-Methylphenol	10.1	UG/L	U	U	
REG	4-Nitroaniline	25.2	UG/L	U	UJ	C05
REG	4-Nitrophenol	25.2	UG/L	U	UJ	C05
REG	4-chloro-3-methylphenol	10.1	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.1	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.1	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	61.4	UG/L	B	=	F08
REG	Butyl Benzyl Phthalate	10.1	UG/L	U	U	
REG	Carbazole	10.1	UG/L	U	UJ	C05
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.1	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.1	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10.1	UG/L	U	U	
REG	Diethyl Phthalate	10.1	UG/L	U	U	
REG	Dimethyl Phthalate	10.1	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10.1	UG/L	U	U	
REG	Hexachlorobutadiene	10.1	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.1	UG/L	U	U	
REG	Hexachloroethane	10.1	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10.1	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.1	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.1	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10.1	UG/L	U	U	
REG	Pentachlorophenol	25.2	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10.1	UG/L	U	U	
REG	Pyrene	10.1	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SC-M9 SC-M9

012S11 Field Sample Type: Grab Matrix: Groundwater Collected: 12/10/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	10	UG/L	U	U		
REG	2-Hexanone	10	UG/L	U	U		
REG	4-Methyl-2-pentanone	10	UG/L	U	U		
REG	Acetone	10	UG/L	U	R	C01	
REG	Benzene	2	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	10	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	10	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	10	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Acetate	10	UG/L	U	UJ	C05	
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.210	PCI/L	U	U		0.307
REG	Radium-228	1.85	PCI/L		=		0.481

Location: SWMU-1
Station : SWSED1 SWSED1

013111 Field Sample Type: Grab Matrix: Surface Water Collected: 11/15/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	1.3	UG/L	B	U	F06	
REG	Barium	30.4	UG/L	B	J		
REG	Cadmium	0.31	UG/L	B	J		
REG	Chromium	5.3	UG/L	B	U	F06	
REG	Lead	1.7	UG/L	B	J		
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	1.4	UG/L	B	U	F01,F06	
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	U		
REG	4,4'-DDE	0.04	UG/L	U	U		
REG	4,4'-DDT	0.04	UG/L	U	U		
REG	Aldrin	0.02	UG/L	U	U		
REG	Alpha Chlordane	0.02	UG/L	U	U		
REG	Alpha-BHC	0.02	UG/L	U	U		
REG	Aroclor-1016	0.1	UG/L	U	U		
REG	Aroclor-1221	0.1	UG/L	U	U		
REG	Aroclor-1232	0.1	UG/L	U	U		
REG	Aroclor-1242	0.1	UG/L	U	U		
REG	Aroclor-1248	0.1	UG/L	U	U		
REG	Aroclor-1254	0.1	UG/L	U	U		
REG	Aroclor-1260	0.1	UG/L	U	U		
REG	Beta-BHC	0.02	UG/L	U	U		
REG	Delta-BHC	0.02	UG/L	U	U		
REG	Dieldrin	0.04	UG/L	U	U		

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Location: SWMU-1
Station: SWSER1 SWSER1

013111

Field Sample Type: Grab

Matrix: Surface Water

Collected: 11/15/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Aldehyde	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	0.69	UG/L	J	J	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SWSED1 SWSED1

013111

Field Sample Type: Grab

Matrix: Surface Water

Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	UJ	C05
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

015111

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 11/15/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.2	MG/KG	B	J	
REG	Barium	5.7	MG/KG	B	J	
REG	Cadmium	0.06	MG/KG	B	J	
REG	Chromium	1.2	MG/KG	B	J	F10
REG	Lead	1.6	MG/KG	*	=	
REG	Mercury	0.01	MG/KG	U	U	
REG	Selenium	0.53	MG/KG	B	UJ	F01,F06,P02
REG	Silver	0.02	MG/KG	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.8	UG/KG	U	U	
REG	4,4'-DDE	1.8	UG/KG	U	U	
REG	4,4'-DDT	1.8	UG/KG	U	U	
REG	Aldrin	0.88	UG/KG	U	U	
REG	Alpha Chlordane	0.88	UG/KG	U	U	
REG	Alpha-BHC	0.88	UG/KG	U	U	

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Location: SWMU-1
Station: SWSWED1

SWSWED1

015111

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 11/15/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aroclor-1016	4.4	UG/KG	U	U	
REG	Aroclor-1221	4.4	UG/KG	U	U	
REG	Aroclor-1232	4.4	UG/KG	U	U	
REG	Aroclor-1242	4.4	UG/KG	U	U	
REG	Aroclor-1248	4.4	UG/KG	U	U	
REG	Aroclor-1254	4.4	UG/KG	U	U	
REG	Aroclor-1260	4.4	UG/KG	U	U	
REG	Beta-BHC	0.88	UG/KG	U	U	
REG	Delta-BHC	0.88	UG/KG	U	U	
REG	Dieldrin	1.8	UG/KG	U	U	
REG	Endosulfan I	0.88	UG/KG	U	U	
REG	Endosulfan II	1.8	UG/KG	U	U	
REG	Endosulfan Sulfate	1.8	UG/KG	U	U	
REG	Endrin	1.8	UG/KG	U	U	
REG	Endrin Ketone	1.8	UG/KG	U	U	
REG	Gamma Chlordane	0.88	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.88	UG/KG	U	U	
REG	Heptachlor	0.88	UG/KG	U	U	
REG	Heptachlor Epoxide	0.88	UG/KG	U	U	
REG	Methoxychlor	8.8	UG/KG	U	U	
REG	Toxaphene	44	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	436	UG/KG	U	U	
REG	1,2-Dichlorobenzene	436	UG/KG	U	U	
REG	1,3-Dichlorobenzene	436	UG/KG	U	U	
REG	1,4-Dichlorobenzene	436	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	436	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1090	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	436	UG/KG	U	U	
REG	2,4-Dichlorophenol	436	UG/KG	U	U	
REG	2,4-Dimethylphenol	436	UG/KG	U	U	
REG	2,4-Dinitrophenol	1090	UG/KG	U	U	
REG	2,4-Dinitrotoluene	436	UG/KG	U	U	
REG	2,6-Dinitrotoluene	436	UG/KG	U	U	
REG	2-Chloronaphthalene	436	UG/KG	U	U	
REG	2-Chlorophenol	436	UG/KG	U	U	
REG	2-Methylnaphthalene	436	UG/KG	U	U	
REG	2-Methylphenol	436	UG/KG	U	U	
REG	2-Nitroaniline	1090	UG/KG	U	U	
REG	2-Nitrophenol	436	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	871	UG/KG	U	U	
REG	3-Nitroaniline	1090	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	1090	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	436	UG/KG	U	U	
REG	4-Chloroaniline	436	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	436	UG/KG	U	U	
REG	4-Methylphenol	436	UG/KG	U	U	
REG	4-Nitroaniline	1090	UG/KG	U	U	
REG	4-Nitrophenol	1090	UG/KG	U	U	
REG	4-chloro-3-methylphenol	436	UG/KG	U	U	
REG	Acenaphthene	436	UG/KG	U	U	
REG	Acenaphthylene	436	UG/KG	U	U	
REG	Anthracene	436	UG/KG	U	U	
REG	Benzo(a)anthracene	436	UG/KG	U	U	
REG	Benzo(a)pyrene	436	UG/KG	U	U	
REG	Benzo(b)fluoranthene	436	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	436	UG/KG	U	U	
REG	Benzo(k)fluoranthene	436	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	436	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	436	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	436	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	436	UG/KG	U	U	
REG	Carbazole	436	UG/KG	U	UJ	C05
REG	Chrysene	436	UG/KG	U	U	
REG	Di-n-butyl Phthalate	436	UG/KG	U	U	
REG	Di-n-octyl Phthalate	436	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	436	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
 Station : SWSED1 SWSED1

015111 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dibenzofuran	436	UG/KG	U	U	
REG	Diethyl Phthalate	436	UG/KG	U	U	
REG	Dimethyl Phthalate	436	UG/KG	U	U	
REG	Fluoranthene	436	UG/KG	U	U	
REG	Fluorene	436	UG/KG	U	U	
REG	Hexachlorobenzene	436	UG/KG	U	U	
REG	Hexachlorobutadiene	436	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	436	UG/KG	U	U	
REG	Hexachloroethane	436	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	436	UG/KG	U	U	
REG	Isophorone	436	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	436	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	436	UG/KG	U	U	
REG	Naphthalene	436	UG/KG	U	U	
REG	Nitrobenzene	436	UG/KG	U	U	
REG	Pentachlorophenol	1090	UG/KG	U	U	
REG	Phenanthrene	436	UG/KG	U	U	
REG	Phenol	436	UG/KG	U	U	
REG	Pyrene	436	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	6.7	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.7	UG/KG	U	U	
REG	1,1,2-Trichloroethane	6.7	UG/KG	U	U	
REG	1,1-Dichloroethane	6.7	UG/KG	U	U	
REG	1,1-Dichloroethene	6.7	UG/KG	U	U	
REG	1,2-Dichloroethane	6.7	UG/KG	U	U	
REG	1,2-Dichloropropane	6.7	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	6.7	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	6.7	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.7	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.7	UG/KG	U	U	
REG	2-Butanone	13.3	UG/KG	U	U	
REG	2-Hexanone	13.3	UG/KG	U	U	
REG	4-Methyl-2-pentanone	13.3	UG/KG	U	U	
REG	Acetone	216	UG/KG		=	
REG	Benzene	6.7	UG/KG	U	U	
REG	Bromodichloromethane	6.7	UG/KG	U	U	
REG	Bromoform	6.7	UG/KG	U	U	
REG	Bromomethane	13.3	UG/KG	U	U	
REG	Carbon Disulfide	6.7	UG/KG	U	U	
REG	Carbon Tetrachloride	6.7	UG/KG	U	U	
REG	Chlorobenzene	6.7	UG/KG	U	U	
REG	Chloroethane	13.3	UG/KG	U	U	
REG	Chloroform	6.7	UG/KG	U	U	
REG	Chloromethane	13.3	UG/KG	U	U	
REG	Dibromochloromethane	6.7	UG/KG	U	U	
REG	Ethylbenzene	6.7	UG/KG	U	U	
REG	Methylene Chloride	7.9	UG/KG	B	U	F01,F07
REG	Styrene	6.7	UG/KG	U	U	
REG	Tetrachloroethene	6.7	UG/KG	U	U	
REG	Toluene	6.7	UG/KG	U	U	
REG	Trichloroethene	6.7	UG/KG	U	U	
REG	Vinyl Chloride	13.3	UG/KG	U	U	
REG	Xylenes, Total	6.7	UG/KG	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.507	PCI/G	J	J		0.113
REG	Radium-228	0.377	PCI/G	J	J		0.200

015121 0.0 - 0.0 FT Field Sample Type: Field-Duplicate Matrix: Sediment Collected: 11/15/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Mercury	0.01	MG/KG	U	U	

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Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.3	UG/KG	U	U	C08
REG	4,4'-DDE	1.3	UG/KG	U	U	
REG	4,4'-DDT	1.3	UG/KG	U	UJ	
REG	Aldrin	0.66	UG/KG	U	U	
REG	Alpha Chlordane	0.66	UG/KG	U	U	
REG	Alpha-BHC	0.66	UG/KG	U	U	
REG	Aroclor-1016	3.3	UG/KG	U	U	
REG	Aroclor-1221	3.3	UG/KG	U	U	
REG	Aroclor-1232	3.3	UG/KG	U	U	
REG	Aroclor-1242	3.3	UG/KG	U	U	
REG	Aroclor-1248	3.3	UG/KG	U	U	
REG	Aroclor-1254	3.3	UG/KG	U	U	
REG	Aroclor-1260	3.3	UG/KG	U	U	
REG	Beta-BHC	0.66	UG/KG	U	U	
REG	Delta-BHC	0.66	UG/KG	U	U	
REG	Dieldrin	1.3	UG/KG	U	U	
REG	Endosulfan I	0.66	UG/KG	U	U	
REG	Endosulfan II	1.3	UG/KG	U	U	
REG	Endosulfan Sulfate	1.3	UG/KG	U	U	
REG	Endrin	1.3	UG/KG	U	U	
REG	Endrin Ketone	1.3	UG/KG	U	U	
REG	Gamma Chlordane	0.66	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.66	UG/KG	U	U	
REG	Heptachlor	0.66	UG/KG	U	U	
REG	Heptachlor Epoxide	0.66	UG/KG	U	U	
REG	Methoxychlor	6.6	UG/KG	U	UJ	C08
REG	Toxaphene	33.1	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	386	UG/KG	U	U	C05
REG	1,2-Dichlorobenzene	386	UG/KG	U	U	
REG	1,3-Dichlorobenzene	386	UG/KG	U	U	
REG	1,4-Dichlorobenzene	386	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	386	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	386	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	386	UG/KG	U	U	
REG	2,4-Dichlorophenol	386	UG/KG	U	U	
REG	2,4-Dimethylphenol	386	UG/KG	U	U	
REG	2,4-Dinitrophenol	771	UG/KG	U	U	
REG	2,4-Dinitrotoluene	386	UG/KG	U	U	
REG	2,6-Dinitrotoluene	386	UG/KG	U	U	
REG	2-Chloronaphthalene	386	UG/KG	U	U	
REG	2-Chlorophenol	386	UG/KG	U	U	
REG	2-Methylnaphthalene	386	UG/KG	U	U	
REG	2-Methylphenol	386	UG/KG	U	U	
REG	2-Nitroaniline	386	UG/KG	U	U	
REG	2-Nitrophenol	386	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1930	UG/KG	U	U	
REG	3-Nitroaniline	386	UG/KG	U	UJ	
REG	4,6-Dinitro-o-Cresol	771	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	386	UG/KG	U	U	
REG	4-Chloroaniline	386	UG/KG	U	UJ	
REG	4-Chlorophenyl-phenylether	386	UG/KG	U	U	
REG	4-Methylphenol	386	UG/KG	U	U	
REG	4-Nitroaniline	386	UG/KG	U	UJ	
REG	4-Nitrophenol	771	UG/KG	U	U	
REG	4-chloro-3-methylphenol	386	UG/KG	U	U	
REG	Acenaphthene	386	UG/KG	U	U	C05
REG	Acenaphthylene	386	UG/KG	U	U	
REG	Anthracene	386	UG/KG	U	U	
REG	Benzo(a)anthracene	386	UG/KG	U	U	
REG	Benzo(a)pyrene	386	UG/KG	U	U	
REG	Benzo(b)fluoranthene	386	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	386	UG/KG	U	U	
REG	Benzo(k)fluoranthene	386	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	386	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	386	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	386	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	386	UG/KG	U	U	
REG	Carbazole	386	UG/KG	U	UJ	
REG	Chrysene	386	UG/KG	U	U	
REG	Di-n-butyl Phthalate	386	UG/KG	U	U	
REG	Di-n-octyl Phthalate	386	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SWSED1 SWSED1

015121 0.0 - 0.0 FT Field Sample Type: Field Duplicate Matrix: Sediment Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dibenzo(a,h)anthracene	386	UG/KG	U	U	
REG	Dibenzofuran	386	UG/KG	U	U	
REG	Diethyl Phthalate	386	UG/KG	U	U	
REG	Dimethyl Phthalate	386	UG/KG	U	U	
REG	Fluoranthene	386	UG/KG	U	U	
REG	Fluorene	386	UG/KG	U	U	
REG	Hexachlorobenzene	386	UG/KG	U	U	
REG	Hexachlorobutadiene	386	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	386	UG/KG	U	U	
REG	Hexachloroethane	386	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	386	UG/KG	U	U	
REG	Isophorone	386	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	386	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	386	UG/KG	U	U	
REG	Naphthalene	386	UG/KG	U	U	
REG	Nitrobenzene	386	UG/KG	U	U	
REG	Pentachlorophenol	386	UG/KG	U	U	
REG	Phenanthrene	386	UG/KG	U	U	
REG	Phenol	386	UG/KG	U	U	
REG	Pyrene	386	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,1,1-Trichloroethane	50	UG/KG	U	UJ	A03
DIL	1,1,2,2-Tetrachloroethane	50	UG/KG	U	UJ	A03
DIL	1,1,2-Trichloroethane	50	UG/KG	U	UJ	A03
DIL	1,1-Dichloroethane	50	UG/KG	U	UJ	A03
DIL	1,1-Dichloroethene	50	UG/KG	U	UJ	A03
DIL	1,2-Dichloroethane	50	UG/KG	U	UJ	A03
DIL	1,2-Dichloroethene	50	UG/KG	U	UJ	A03
DIL	1,2-Dichloropropane	50	UG/KG	U	UJ	A03
DIL	1,3-cis-Dichloropropene	50	UG/KG	U	UJ	A03
DIL	1,3-trans-Dichloropropene	50	UG/KG	U	UJ	A03
DIL	2-Butanone	100	UG/KG	U	UJ	A03
DIL	2-Hexanone	100	UG/KG	U	UJ	A03
DIL	4-Methyl-2-pentanone	100	UG/KG	U	UJ	A03
DIL	Acetone	297	UG/KG	D	J	A03
DIL	Benzene	20	UG/KG	U	UJ	A03
DIL	Bromodichloromethane	50	UG/KG	U	UJ	A03
DIL	Bromoform	50	UG/KG	U	UJ	A03
DIL	Bromomethane	100	UG/KG	U	UJ	A03
DIL	Carbon Disulfide	50	UG/KG	U	UJ	A03
DIL	Carbon Tetrachloride	50	UG/KG	U	UJ	A03
DIL	Chlorobenzene	50	UG/KG	U	UJ	A03
DIL	Chloroethane	100	UG/KG	U	UJ	A03
DIL	Chloroform	50	UG/KG	U	UJ	A03
DIL	Chloromethane	100	UG/KG	U	UJ	A03
DIL	Dibromochloromethane	50	UG/KG	U	UJ	A03
DIL	Ethylbenzene	50	UG/KG	U	UJ	A03
DIL	Methylene Chloride	20	UG/KG	U	UJ	A03
DIL	Styrene	50	UG/KG	U	UJ	A03
DIL	Tetrachloroethene	50	UG/KG	U	UJ	A03
DIL	Toluene	20	UG/KG	U	UJ	A03
DIL	Trichloroethene	50	UG/KG	U	UJ	A03
DIL	Vinyl Chloride	20	UG/KG	U	UJ	A03
DIL	Xylenes, Total	50	UG/KG	U	UJ	A03

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5.9	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	5.9	UG/KG	U	U	
REG	1,1,2-Trichloroethane	5.9	UG/KG	U	U	
REG	1,1-Dichloroethane	5.9	UG/KG	U	U	
REG	1,1-Dichloroethene	5.9	UG/KG	U	U	
REG	1,2-Dichloroethane	5.9	UG/KG	U	U	
REG	1,2-Dichloroethene	5.9	UG/KG	U	U	
REG	1,2-Dichloropropane	5.9	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	5.9	UG/KG	U	U	

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Location: SWMU-1
Station : SWSED1

015121 0.0 - 0.0 FT Field Sample Type: Field Duplicate Matrix: Sediment Collected: 11/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,3-trans-Dichloropropene	5.9	UG/KG	U	U		
REG	2-Butanone	11.8	UG/KG	U	U		
REG	2-Hexanone	11.8	UG/KG	U	U		
REG	4-Methyl-2-pentanone	11.8	UG/KG	U	U		
REG	Acetone	297	UG/KG	D	J	A03	
REG	Benzene	5.9	UG/KG	U	U		
REG	Bromodichloromethane	5.9	UG/KG	U	U		
REG	Bromoform	5.9	UG/KG	U	U		
REG	Bromomethane	11.8	UG/KG	U	U		
REG	Carbon Disulfide	5.9	UG/KG	U	U		
REG	Carbon Tetrachloride	5.9	UG/KG	U	U		
REG	Chlorobenzene	5.9	UG/KG	U	U		
REG	Chloroethane	11.8	UG/KG	U	U		
REG	Chloroform	5.9	UG/KG	U	U		
REG	Chloromethane	11.8	UG/KG	U	U		
REG	Dibromochloromethane	5.9	UG/KG	U	U		
REG	Ethylbenzene	5.9	UG/KG	U	U		
REG	Methylene Chloride	5.9	UG/KG	J	U	F01,F06	
REG	Styrene	5.9	UG/KG	U	U		
REG	Tetrachloroethene	5.9	UG/KG	U	U		
REG	Toluene	5.9	UG/KG	U	U		
REG	Trichloroethene	5.9	UG/KG	U	U		
REG	Vinyl Chloride	11.8	UG/KG	U	U		
REG	Xylenes, Total	5.9	UG/KG	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.510	PCI/G	J	J		0.120
REG	Radium-228	0.229	PCI/G	U	U		0.135

Location: SWMU-1
Station : SWSED2

013211 Field Sample Type: Grab Matrix: Surface Water Collected: 11/15/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.87	UG/L	B	U	F06	
REG	Barium	25.6	UG/L	B	J		
REG	Cadmium	0.32	UG/L	B	J		
REG	Chromium	5.8	UG/L	B	U	F06	
REG	Lead	1.8	UG/L	B	J		
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	1.9	UG/L	B	U	F01,F06	
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	UJ	G02	
REG	4,4'-DDE	0.04	UG/L	U	UJ	G02	
REG	4,4'-DDT	0.04	UG/L	U	UJ	G02	
REG	Aldrin	0.02	UG/L	U	UJ	G02	
REG	Alpha Chlordane	0.02	UG/L	U	UJ	G02	
REG	Alpha-BHC	0.02	UG/L	U	UJ	G02	
REG	Aroclor-1016	0.1	UG/L	U	UJ	G02	
REG	Aroclor-1221	0.1	UG/L	U	UJ	G02	
REG	Aroclor-1232	0.1	UG/L	U	UJ	G02	
REG	Aroclor-1242	0.1	UG/L	U	UJ	G02	
REG	Aroclor-1248	0.1	UG/L	U	UJ	G02	
REG	Aroclor-1254	0.1	UG/L	U	UJ	G02	
REG	Aroclor-1260	0.1	UG/L	U	UJ	G02	
REG	Beta-BHC	0.02	UG/L	U	UJ	G02	
REG	Delta-BHC	0.02	UG/L	U	UJ	G02	
REG	Dieldrin	0.04	UG/L	U	UJ	G02	
REG	Endosulfan I	0.02	UG/L	U	UJ	G02	
REG	Endosulfan II	0.04	UG/L	U	UJ	G02	
REG	Endosulfan Sulfate	0.04	UG/L	U	UJ	G02	
REG	Endrin	0.04	UG/L	U	UJ	G02	

Ft. Stewart - SWMU 1

Location: SWMU-1
 Station : SWSED2 SWSED2

013211

Field Sample Type: Grab

Matrix: Surface Water

Collected: 11/15/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Endrin Aldehyde	0.04	UG/L	U	UJ	G02
REG	Endrin Ketone	0.04	UG/L	U	UJ	G02
REG	Gamma Chlordane	0.02	UG/L	U	UJ	G02
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	UJ	G02
REG	Heptachlor	0.02	UG/L	U	UJ	G02
REG	Heptachlor Epoxide	0.02	UG/L	U	UJ	G02
REG	Methoxychlor	0.21	UG/L	U	UJ	G02
REG	Toxaphene	1	UG/L	U	UJ	G02

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REA	1,2-Dichlorobenzene	10	UG/L	U	U	
REA	1,3-Dichlorobenzene	10	UG/L	U	U	
REA	1,4-Dichlorobenzene	10	UG/L	U	U	
REA	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REA	2,4,5-Trichlorophenol	25	UG/L	U	U	
REA	2,4,6-Trichlorophenol	10	UG/L	U	U	
REA	2,4-Dichlorophenol	10	UG/L	U	U	
REA	2,4-Dimethylphenol	10	UG/L	U	U	
REA	2,4-Dinitrophenol	25	UG/L	U	U	
REA	2,4-Dinitrotoluene	10	UG/L	U	U	
REA	2,6-Dinitrotoluene	10	UG/L	U	U	
REA	2-Chloronaphthalene	0.2	UG/L	U	U	
REA	2-Chlorophenol	10	UG/L	U	U	
REA	2-Methylnaphthalene	10	UG/L	U	U	
REA	2-Methylphenol	10	UG/L	U	U	
REA	2-Nitroaniline	25	UG/L	U	U	
REA	2-Nitrophenol	10	UG/L	U	U	
REA	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REA	3-Nitroaniline	25	UG/L	U	U	
REA	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REA	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REA	4-Chloroaniline	10	UG/L	U	U	
REA	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REA	4-Methylphenol	10	UG/L	U	U	
REA	4-Nitroaniline	25	UG/L	U	U	
REA	4-Nitrophenol	25	UG/L	U	U	
REA	4-chloro-3-methylphenol	10	UG/L	U	U	
REA	Acenaphthene	0.2	UG/L	U	U	
REA	Acenaphthylene	0.2	UG/L	U	U	
REA	Anthracene	0.2	UG/L	U	U	
REA	Benzo(a)anthracene	0.2	UG/L	U	U	
REA	Benzo(a)pyrene	0.2	UG/L	U	U	
REA	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REA	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REA	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REA	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REA	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REA	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REA	Butyl Benzyl Phthalate	10	UG/L	U	U	
REA	Carbazole	10	UG/L	U	U	
REA	Chrysene	0.2	UG/L	U	U	
REA	Di-n-butyl Phthalate	10	UG/L	U	U	
REA	Di-n-octyl Phthalate	10	UG/L	U	U	
REA	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REA	Dibenzofuran	10	UG/L	U	U	
REA	Diethyl Phthalate	10	UG/L	U	U	
REA	Dimethyl Phthalate	10	UG/L	U	U	
REA	Fluoranthene	0.2	UG/L	U	U	
REA	Fluorene	0.2	UG/L	U	U	
REA	Hexachlorobenzene	10	UG/L	U	U	
REA	Hexachlorobutadiene	10	UG/L	U	U	
REA	Hexachlorocyclopentadiene	10	UG/L	U	U	
REA	Hexachloroethane	10	UG/L	U	U	
REA	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REA	Isophorone	10	UG/L	U	U	
REA	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REA	N-Nitrosodiphenylamine	10	UG/L	U	U	

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Location: SWMU-1
Station: SWSWED2

SWSWED2

013211

Field Sample Type: Grab

Matrix: Surface Water

Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	Naphthalene	0.2	UG/L	U	U	
REA	Nitrobenzene	10	UG/L	U	U	
REA	Pentachlorophenol	25	UG/L	U	U	
REA	Phenanthrene	0.2	UG/L	U	U	
REA	Phenol	10	UG/L	U	U	
REA	Pyrene	0.16	UG/L	J	J	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	UJ	G02
REG	2,4,6-Trichlorophenol	10	UG/L	U	UJ	G02
REG	2,4-Dichlorophenol	10	UG/L	U	UJ	G02
REG	2,4-Dimethylphenol	10	UG/L	U	UJ	G02
REG	2,4-Dinitrophenol	25	UG/L	U	UJ	G02
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	UJ	G02
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	UJ	G02
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	UJ	G02
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	UJ	G02
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	UJ	G02
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	UJ	G02
REG	4-chloro-3-methylphenol	10	UG/L	U	UJ	G02
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	0.86	UG/L	J	J	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
 Station : SWSED2 SWSED2

013211

Field Sample Type: Grab

Matrix: Surface Water

Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Pentachlorophenol	25	UG/L	U	UJ	G02
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	UJ	G02
REG	Pyrene	10	UG/L	U	U	
TIC REG	172.0 Benzene	172	UG/L	NJ		

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	UJ	C05
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.148	PCI/L	U	U		0.411
REG	Radium-228	3.76	PCI/L		=		0.481

015211

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 11/15/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.16	MG/KG	U	U	
REG	Barium	8.1	MG/KG	B	J	
REG	Cadmium	0.05	MG/KG	U	U	
REG	Chromium	1.5	MG/KG	B	J	F10
REG	Lead	3.5	MG/KG	*	=	
REG	Mercury	0.02	MG/KG	B	J	
REG	Selenium	0.61	MG/KG	B	UJ	F01,F06,P02
REG	Silver	0.02	MG/KG	U	U	
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	1.8	UG/KG	U	U	
REG	4,4'-DDE	1.8	UG/KG	U	U	
REG	4,4'-DDT	1.8	UG/KG	U	U	
REG	Aldrin	0.9	UG/KG	U	U	
REG	Alpha Chlordane	0.9	UG/KG	U	U	
REG	Alpha-BHC	0.9	UG/KG	U	U	

463

Location: SWMU-1
Station: SWSED2

SWSED2

015211

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 11/15/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aroclor-1016	4.5	UG/KG	U	U	
REG	Aroclor-1221	4.5	UG/KG	U	U	
REG	Aroclor-1232	4.5	UG/KG	U	U	
REG	Aroclor-1242	4.5	UG/KG	U	U	
REG	Aroclor-1248	4.5	UG/KG	U	U	
REG	Aroclor-1254	4.5	UG/KG	U	U	
REG	Aroclor-1260	4.5	UG/KG	U	U	
REG	Beta-BHC	0.9	UG/KG	U	U	
REG	Delta-BHC	0.9	UG/KG	U	U	
REG	Dieldrin	1.8	UG/KG	U	U	
REG	Endosulfan I	0.9	UG/KG	U	U	
REG	Endosulfan II	1.8	UG/KG	U	U	
REG	Endosulfan Sulfate	1.8	UG/KG	U	U	
REG	Endrin	1.8	UG/KG	U	U	
REG	Endrin Ketone	1.8	UG/KG	U	U	
REG	Gamma Chlordane	0.9	UG/KG	U	U	
REG	Gamma-BHC (Lindane)	0.9	UG/KG	U	U	
REG	Heptachlor	0.9	UG/KG	U	U	
REG	Heptachlor Epoxide	0.9	UG/KG	U	U	
REG	Methoxychlor	9	UG/KG	U	U	
REG	Toxaphene	45.2	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	454	UG/KG	U	U	
REG	1,2-Dichlorobenzene	454	UG/KG	U	U	
REG	1,3-Dichlorobenzene	454	UG/KG	U	U	
REG	1,4-Dichlorobenzene	454	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	454	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1130	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	454	UG/KG	U	U	
REG	2,4-Dichlorophenol	454	UG/KG	U	U	
REG	2,4-Dimethylphenol	454	UG/KG	U	U	
REG	2,4-Dinitrophenol	1130	UG/KG	U	U	
REG	2,4-Dinitrotoluene	454	UG/KG	U	U	
REG	2,6-Dinitrotoluene	454	UG/KG	U	U	
REG	2-Chloronaphthalene	454	UG/KG	U	U	
REG	2-Chlorophenol	454	UG/KG	U	U	
REG	2-Methylnaphthalene	454	UG/KG	U	U	
REG	2-Methylphenol	454	UG/KG	U	U	
REG	2-Nitroaniline	1130	UG/KG	U	U	
REG	2-Nitrophenol	454	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	907	UG/KG	U	U	
REG	3-Nitroaniline	1130	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	1130	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	454	UG/KG	U	U	
REG	4-Chloroaniline	454	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	454	UG/KG	U	U	
REG	4-Methylphenol	454	UG/KG	U	U	
REG	4-Nitroaniline	1130	UG/KG	U	U	
REG	4-Nitrophenol	1130	UG/KG	U	U	
REG	4-chloro-3-methylphenol	454	UG/KG	U	U	
REG	Acenaphthene	454	UG/KG	U	U	
REG	Acenaphthylene	454	UG/KG	U	U	
REG	Anthracene	454	UG/KG	U	U	
REG	Benzo(a)anthracene	454	UG/KG	U	U	
REG	Benzo(a)pyrene	454	UG/KG	U	U	
REG	Benzo(b)fluoranthene	454	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	454	UG/KG	U	U	
REG	Benzo(k)fluoranthene	454	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	454	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	454	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	454	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	454	UG/KG	U	U	
REG	Carbazole	454	UG/KG	U	UJ	C05
REG	Chrysene	454	UG/KG	U	U	
REG	Di-n-butyl Phthalate	454	UG/KG	U	U	
REG	Di-n-octyl Phthalate	454	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	454	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SWSED2 SWSED2

015211 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dibenzofuran	454	UG/KG	U	U	
REG	Diethyl Phthalate	454	UG/KG	U	U	
REG	Dimethyl Phthalate	454	UG/KG	U	U	
REG	Fluoranthene	454	UG/KG	U	U	
REG	Fluorene	454	UG/KG	U	U	
REG	Hexachlorobenzene	454	UG/KG	U	U	
REG	Hexachlorobutadiene	454	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	454	UG/KG	U	U	
REG	Hexachloroethane	454	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	454	UG/KG	U	U	
REG	Isophorone	454	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	454	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	454	UG/KG	U	U	
REG	Naphthalene	454	UG/KG	U	U	
REG	Nitrobenzene	454	UG/KG	U	U	
REG	Pentachlorophenol	1130	UG/KG	U	U	
REG	Phenanthrene	454	UG/KG	U	U	
REG	Phenol	454	UG/KG	U	U	
REG	Pyrene	454	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	6.8	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.8	UG/KG	U	UJ	-K01
REG	1,1,2-Trichloroethane	6.8	UG/KG	U	U	
REG	1,1-Dichloroethane	6.8	UG/KG	U	U	
REG	1,1-Dichloroethene	6.8	UG/KG	U	U	
REG	1,2-Dichloroethane	6.8	UG/KG	U	U	
REG	1,2-Dichloropropane	6.8	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	6.8	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	6.8	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.8	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.8	UG/KG	U	U	
REG	2-Butanone	13.7	UG/KG	U	U	
REG	2-Hexanone	13.7	UG/KG	U	UJ	K01
REG	4-Methyl-2-pentanone	13.7	UG/KG	U	UJ	K01
REG	Acetone	20.2	UG/KG		=	
REG	Benzene	6.8	UG/KG	U	U	
REG	Bromodichloromethane	6.8	UG/KG	U	U	
REG	Bromoform	6.8	UG/KG	U	U	
REG	Bromomethane	13.7	UG/KG	U	U	
REG	Carbon Disulfide	6.8	UG/KG	U	U	
REG	Carbon Tetrachloride	6.8	UG/KG	U	U	
REG	Chlorobenzene	6.8	UG/KG	U	UJ	K01
REG	Chloroethane	13.7	UG/KG	U	U	
REG	Chloroform	6.8	UG/KG	U	U	
REG	Chloromethane	13.7	UG/KG	U	U	
REG	Dibromochloromethane	6.8	UG/KG	U	U	
REG	Ethylbenzene	6.8	UG/KG	U	UJ	K01
REG	Methylene Chloride	6.8	UG/KG	JB	U	F01,F06
REG	Styrene	6.8	UG/KG	U	UJ	K01
REG	Tetrachloroethene	6.8	UG/KG	U	UJ	K01
REG	Toluene	6.8	UG/KG	U	UJ	K01
REG	Trichloroethene	6.8	UG/KG	U	U	
REG	Vinyl Chloride	13.7	UG/KG	U	U	
REG	Xylenes, Total	6.8	UG/KG	U	UJ	K01

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.554	PCI/G	J	J		0.139
REG	Radium-228	1.04	PCI/G		=		0.246

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Location: SWMU-1
Station: SWSED3

SWSED3

013311

Field Sample Type: Grab

Matrix: Surface Water

Collected: 11/15/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.6	UG/L	U	U	
REG	Barium	15.9	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	4.5	UG/L	B	U	F06
REG	Lead	1.2	UG/L	B	J	
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	2.2	UG/L	B	U	F01,F06
REG	Silver	0.08	UG/L	B	U	F06

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.11	UG/L	U	U	
REG	Aroclor-1221	0.11	UG/L	U	U	
REG	Aroclor-1232	0.11	UG/L	U	U	
REG	Aroclor-1242	0.11	UG/L	U	U	
REG	Aroclor-1248	0.11	UG/L	U	U	
REG	Aroclor-1254	0.11	UG/L	U	U	
REG	Aroclor-1260	0.11	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Aldehyde	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.22	UG/L	U	U	
REG	Toxaphene	1.1	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	UJ	C05
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	UJ	C05
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: **SWMU-1**
Station : **SWSED3** **SWSED3**

013311 Field Sample Type: **Grab** Matrix: **Surface Water** Collected: **11/15/97**

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
TIC REG	3.500 2,2,5-Trimethylhexane	3.5	UG/L	NJ			
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.422	PCI/L	U	U		0.413
REG	Radium-228	3.69	PCI/L		=		0.481

013321 Field Sample Type: **Field Duplicate** Matrix: **Surface Water** Collected: **11/15/97**

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.6	UG/L	U	U		
REG	Barium	15.9	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	5.4	UG/L	B	U	F06	
REG	Lead	1.3	UG/L	B	J		
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	2.7	UG/L	B	U	F01,F06	
REG	Silver	0.2	UG/L	B	U	F06	
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	UJ	G02	
REG	4,4'-DDE	0.04	UG/L	U	UJ	G02	
REG	4,4'-DDT	0.04	UG/L	U	UJ	G02	
REG	Aldrin	0.02	UG/L	U	UJ	G02	
REG	Alpha Chlordane	0.02	UG/L	U	UJ	G02	
REG	Alpha-BHC	0.02	UG/L	U	UJ	G02	
REG	Aroclor-1016	0.11	UG/L	U	UJ	G02	
REG	Aroclor-1221	0.11	UG/L	U	UJ	G02	
REG	Aroclor-1232	0.11	UG/L	U	UJ	G02	
REG	Aroclor-1242	0.11	UG/L	U	UJ	G02	
REG	Aroclor-1248	0.11	UG/L	U	UJ	G02	
REG	Aroclor-1254	0.11	UG/L	U	UJ	G02	
REG	Aroclor-1260	0.11	UG/L	U	UJ	G02	
REG	Beta-BHC	0.02	UG/L	U	UJ	G02	
REG	Delta-BHC	0.02	UG/L	U	UJ	G02	
REG	Dieldrin	0.04	UG/L	U	UJ	G02	
REG	Endosulfan I	0.02	UG/L	U	UJ	G02	
REG	Endosulfan II	0.04	UG/L	U	UJ	G02	
REG	Endosulfan Sulfate	0.04	UG/L	U	UJ	G02	
REG	Endrin	0.04	UG/L	U	UJ	G02	
REG	Endrin Aldehyde	0.04	UG/L	U	UJ	G02	
REG	Endrin Ketone	0.04	UG/L	U	UJ	G02	
REG	Gamma Chlordane	0.02	UG/L	U	UJ	G02	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	UJ	G02	
REG	Heptachlor	0.02	UG/L	U	UJ	G02	
REG	Heptachlor Epoxide	0.02	UG/L	U	UJ	G02	
REG	Methoxychlor	0.21	UG/L	U	UJ	G02	
REG	Toxaphene	1.1	UG/L	U	UJ	G02	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U		
REG	1,2-Dichlorobenzene	10	UG/L	U	U		
REG	1,3-Dichlorobenzene	10	UG/L	U	U		
REG	1,4-Dichlorobenzene	10	UG/L	U	U		
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U		
REG	2,4,5-Trichlorophenol	25	UG/L	U	R	G03	
REG	2,4,6-Trichlorophenol	10	UG/L	U	R	G03	
REG	2,4-Dichlorophenol	10	UG/L	U	R	G03	

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Location: SWMU-1
Station: SWSWED3

SWSWED3

013321

Field Sample Type: Field Duplicate

Matrix: Surface Water

Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4-Dimethylphenol	10	UG/L	U	R	G03
REG	2,4-Dinitrophenol	25	UG/L	U	R	G03
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	R	G03
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	R	G03
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	R	G03
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	R	G03
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	R	G03
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	R	G03
REG	4-chloro-3-methylphenol	10	UG/L	U	R	G03
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	R	G03
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	R	G03
REG	Pyrene	0.1	UG/L	J	J	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,1,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	UJ	C05
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SWSED3 SWSED3

013321 Field Sample Type: Field Duplicate Matrix: Surface Water Collected: 11/15/97

Sample Type	Volatiles Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	2-Butanone	10	UG/L	U	U		
REG	2-Hexanone	10	UG/L	U	UJ	C05	
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05	
REG	Acetone	10	UG/L	U	U		
REG	Benzene	2	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	10	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	10	UG/L	U	U		
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	10	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		
TIC REG	3.500 2,2,5-Trimethylhexane	3.5	UG/L	NJ			
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.274	PCI/L	U	U		0.315
REG	Radium-228	2.7	PCI/L	=			0.4

015311 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 11/15/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.17	MG/KG	U	U		
REG	Barium	9.4	MG/KG	B	J		
REG	Cadmium	0.06	MG/KG	U	U		
REG	Chromium	3.5	MG/KG	B	J	F10	
REG	Lead	6	MG/KG	*	=		
REG	Mercury	0.01	MG/KG	U	U		
REG	Selenium	0.58	MG/KG	B	UJ	F01,F06,P02	
REG	Silver	0.02	MG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	1.8	UG/KG	U	UJ	G02	
REG	4,4'-DDE	1.8	UG/KG	U	UJ	G02	
REG	4,4'-DDT	1.8	UG/KG	U	UJ	G02	
REG	Aldrin	0.93	UG/KG	U	UJ	G02	
REG	Alpha Chlordane	0.93	UG/KG	U	UJ	G02	
REG	Alpha-BHC	0.93	UG/KG	U	UJ	G02	
REG	Aroclor-1016	4.6	UG/KG	U	UJ	G02	
REG	Aroclor-1221	4.6	UG/KG	U	UJ	G02	
REG	Aroclor-1232	4.6	UG/KG	U	UJ	G02	
REG	Aroclor-1242	4.6	UG/KG	U	UJ	G02	
REG	Aroclor-1248	4.6	UG/KG	U	UJ	G02	
REG	Aroclor-1254	4.6	UG/KG	U	UJ	G02	
REG	Aroclor-1260	4.6	UG/KG	U	UJ	G02	
REG	Beta-BHC	0.93	UG/KG	U	UJ	G02	
REG	Delta-BHC	0.93	UG/KG	U	UJ	G02	
REG	Dieldrin	1.8	UG/KG	U	UJ	G02	
REG	Endosulfan I	0.93	UG/KG	U	UJ	G02	
REG	Endosulfan II	1.8	UG/KG	U	UJ	G02	
REG	Endosulfan Sulfate	1.8	UG/KG	U	UJ	G02	
REG	Endrin	1.8	UG/KG	U	UJ	G02	
REG	Endrin Ketone	1.8	UG/KG	U	UJ	G02	
REG	Gamma Chlordane	0.93	UG/KG	U	UJ	G02	
REG	Gamma-BHC (Lindane)	0.93	UG/KG	U	UJ	G02	

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Location: SWMU-1
Station: SWSER3

SWSER3

015311

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 11/15/97

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Heptachlor	0.93	UG/KG	U	UJ	G02
REG	Heptachlor Epoxide	0.93	UG/KG	U	UJ	G02
REG	Methoxychlor	9.3	UG/KG	U	UJ	G02
REG	Toxaphene	46.3	UG/KG	U	UJ	G02

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	468	UG/KG	U	U	
REG	1,2-Dichlorobenzene	468	UG/KG	U	U	
REG	1,3-Dichlorobenzene	468	UG/KG	U	U	
REG	1,4-Dichlorobenzene	468	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	468	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1170	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	468	UG/KG	U	U	
REG	2,4-Dichlorophenol	468	UG/KG	U	U	
REG	2,4-Dimethylphenol	468	UG/KG	U	U	
REG	2,4-Dinitrophenol	1170	UG/KG	U	U	
REG	2,4-Dinitrotoluene	468	UG/KG	U	U	
REG	2,6-Dinitrotoluene	468	UG/KG	U	U	
REG	2-Chloronaphthalene	468	UG/KG	U	U	
REG	2-Chlorophenol	468	UG/KG	U	U	
REG	2-Methylnaphthalene	468	UG/KG	U	U	
REG	2-Methylphenol	468	UG/KG	U	U	
REG	2-Nitroaniline	1170	UG/KG	U	U	
REG	2-Nitrophenol	468	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	936	UG/KG	U	U	
REG	3-Nitroaniline	1170	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	1170	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	468	UG/KG	U	U	
REG	4-Chloroaniline	468	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	468	UG/KG	U	U	
REG	4-Methylphenol	468	UG/KG	U	U	
REG	4-Nitroaniline	1170	UG/KG	U	U	
REG	4-Nitrophenol	1170	UG/KG	U	U	
REG	4-chloro-3-methylphenol	468	UG/KG	U	U	
REG	Acenaphthene	468	UG/KG	U	U	
REG	Acenaphthylene	468	UG/KG	U	U	
REG	Anthracene	468	UG/KG	U	U	
REG	Benzo(a)anthracene	468	UG/KG	U	U	
REG	Benzo(a)pyrene	468	UG/KG	U	U	
REG	Benzo(b)fluoranthene	468	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	468	UG/KG	U	U	
REG	Benzo(k)fluoranthene	468	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	468	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	468	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	468	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	468	UG/KG	U	U	
REG	Carbazole	468	UG/KG	U	UJ	C05
REG	Chrysene	468	UG/KG	U	U	
REG	Di-n-butyl Phthalate	468	UG/KG	U	U	
REG	Di-n-octyl Phthalate	468	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	468	UG/KG	U	U	
REG	Dibenzofuran	468	UG/KG	U	U	
REG	Diethyl Phthalate	468	UG/KG	U	U	
REG	Dimethyl Phthalate	468	UG/KG	U	U	
REG	Fluoranthene	468	UG/KG	U	U	
REG	Fluorene	468	UG/KG	U	U	
REG	Hexachlorobenzene	468	UG/KG	U	U	
REG	Hexachlorobutadiene	468	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	468	UG/KG	U	U	
REG	Hexachloroethane	468	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	468	UG/KG	U	U	
REG	Isophorone	468	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	468	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	468	UG/KG	U	U	
REG	Naphthalene	468	UG/KG	U	U	
REG	Nitrobenzene	468	UG/KG	U	U	
REG	Pentachlorophenol	1170	UG/KG	U	U	
REG	Phenanthrene	468	UG/KG	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SWSED3 SWSED3

015311 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 11/15/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Phenol	468	UG/KG	U	U		
REG	Pyrene	468	UG/KG	U	U		
Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	7	UG/KG	U	U		
REG	1,1,2,2-Tetrachloroethane	7	UG/KG	U	U		
REG	1,1,2-Trichloroethane	7	UG/KG	U	U		
REG	1,1-Dichloroethane	7	UG/KG	U	U		
REG	1,1-Dichloroethene	7	UG/KG	U	U		
REG	1,2-Dichloroethane	7	UG/KG	U	U		
REG	1,2-Dichloropropane	7	UG/KG	U	U		
REG	1,2-cis-Dichloroethene	7	UG/KG	U	U		
REG	1,2-trans-Dichloroethene	7	UG/KG	U	U		
REG	1,3-cis-Dichloropropene	7	UG/KG	U	U		
REG	1,3-trans-Dichloropropene	7	UG/KG	U	U		
REG	2-Butanone	14.5	UG/KG		=		
REG	2-Hexanone	14.1	UG/KG	U	U		
REG	4-Methyl-2-pentanone	14.1	UG/KG	U	U		
REG	Acetone	132	UG/KG		=		
REG	Benzene	7	UG/KG	U	U		
REG	Bromodichloromethane	7	UG/KG	U	U		
REG	Bromoform	7	UG/KG	U	U		
REG	Bromomethane	14.1	UG/KG	U	U		
REG	Carbon Disulfide	7	UG/KG	U	U		
REG	Carbon Tetrachloride	7	UG/KG	U	U		
REG	Chlorobenzene	7	UG/KG	U	U		
REG	Chloroethane	14.1	UG/KG	U	U		
REG	Chloroform	7	UG/KG	U	U		
REG	Chloromethane	14.1	UG/KG	U	U		
REG	Dibromochloromethane	7	UG/KG	U	U		
REG	Ethylbenzene	7	UG/KG	U	U		
REG	Methylene Chloride	6	UG/KG	J	U	F01,F06	
REG	Styrene	7	UG/KG	U	U		
REG	Tetrachloroethene	7	UG/KG	U	U		
REG	Toluene	7	UG/KG	U	U		
REG	Trichloroethene	7	UG/KG	U	U		
REG	Vinyl Chloride	14.1	UG/KG	U	U		
REG	Xylenes, Total	7	UG/KG	U	U		
TIC REG	5.000 Benzene	5	UG/KG	NJ			
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.836	PCI/G	J	J		0.173
REG	Radium-228	1.29	PCI/G		=		0.310

Location: SWMU-1
Station : SWSED4 SWSED4

013411 Field Sample Type: Grab Matrix: Surface Water Collected: 11/14/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.6	UG/L	U	U		
REG	Barium	15.6	UG/L	B	J		
REG	Cadmium	0.2	UG/L	U	U		
REG	Chromium	5	UG/L	B	U	F06	
REG	Lead	1.6	UG/L	B	J		
REG	Mercury	0.03	UG/L	U	U		
REG	Selenium	2.1	UG/L	B	U	F01,F06	
REG	Silver	0.07	UG/L	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	0.04	UG/L	U	UJ	G02	
REG	4,4'-DDE	0.04	UG/L	U	UJ	G02	
REG	4,4'-DDT	0.04	UG/L	U	UJ	G02	

Location: SWMU-1
Station: SWSED4

SWSED4

013411

Field Sample Type: Grab

Matrix: Surface Water

Collected: 11/14/97

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Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aldrin	0.02	UG/L	U	UJ	G02
REG	Alpha Chlordane	0.02	UG/L	U	UJ	G02
REG	Alpha-BHC	0.02	UG/L	U	UJ	G02
REG	Aroclor-1016	0.1	UG/L	U	UJ	G02
REG	Aroclor-1221	0.1	UG/L	U	UJ	G02
REG	Aroclor-1232	0.1	UG/L	U	UJ	G02
REG	Aroclor-1242	0.1	UG/L	U	UJ	G02
REG	Aroclor-1248	0.1	UG/L	U	UJ	G02
REG	Aroclor-1254	0.1	UG/L	U	UJ	G02
REG	Aroclor-1260	0.1	UG/L	U	UJ	G02
REG	Beta-BHC	0.02	UG/L	U	UJ	G02
REG	Delta-BHC	0.02	UG/L	U	UJ	G02
REG	Dieldrin	0.04	UG/L	U	UJ	G02
REG	Endosulfan I	0.02	UG/L	U	UJ	G02
REG	Endosulfan II	0.04	UG/L	U	UJ	G02
REG	Endosulfan Sulfate	0.04	UG/L	U	UJ	G02
REG	Endrin	0.04	UG/L	U	UJ	G02
REG	Endrin Aldehyde	0.04	UG/L	U	UJ	G02
REG	Endrin Ketone	0.04	UG/L	U	UJ	G02
REG	Gamma Chlordane	0.02	UG/L	U	UJ	G02
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	UJ	G02
REG	Heptachlor	0.02	UG/L	U	UJ	G02
REG	Heptachlor Epoxide	0.02	UG/L	U	UJ	G02
REG	Methoxychlor	0.2	UG/L	U	UJ	G02
REG	Toxaphene	1	UG/L	U	UJ	G02

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10.2	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.2	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.2	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.2	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.2	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25.5	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.2	UG/L	U	U	
REG	2,4-Dichlorophenol	10.2	UG/L	U	U	
REG	2,4-Dimethylphenol	10.2	UG/L	U	U	
REG	2,4-Dinitrophenol	25.5	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.2	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.2	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10.2	UG/L	U	U	
REG	2-Methylnaphthalene	10.2	UG/L	U	U	
REG	2-Methylphenol	10.2	UG/L	U	U	
REG	2-Nitroaniline	25.5	UG/L	U	U	
REG	2-Nitrophenol	10.2	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20.4	UG/L	U	U	
REG	3-Nitroaniline	25.5	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25.5	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.2	UG/L	U	U	
REG	4-Chloroaniline	10.2	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.2	UG/L	U	U	
REG	4-Methylphenol	10.2	UG/L	U	U	
REG	4-Nitroaniline	25.5	UG/L	U	U	
REG	4-Nitrophenol	25.5	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.2	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.2	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.2	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.2	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.2	UG/L	U	U	
REG	Carbazole	10.2	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SWSED4 SWSED4

013411

Field Sample Type: Grab

Matrix: Surface Water

Collected: 11/14/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.2	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.2	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10.2	UG/L	U	U	
REG	Diethyl Phthalate	10.2	UG/L	U	U	
REG	Dimethyl Phthalate	10.2	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10.2	UG/L	U	U	
REG	Hexachlorobutadiene	10.2	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.2	UG/L	U	U	
REG	Hexachloroethane	10.2	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10.2	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.2	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.2	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10.2	UG/L	U	U	
REG	Pentachlorophenol	25.5	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10.2	UG/L	U	U	
REG	Pyrene	10.2	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	UJ	C05
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	UJ	C05
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.38	PCI/L	U	U		0.380
REG	Radium-228	3.97	PCI/L		=		0.472

013441

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 11/14/97

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Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	0.9	UG/L	B	J	
REG	Barium	1.4	UG/L	B	J	
REG	Cadmium	0.2	UG/L	U	U	
REG	Chromium	0.6	UG/L	U	U	
REG	Lead	0.19	UG/L	B	J	
REG	Mercury	0.03	UG/L	U	U	
REG	Selenium	0.9	UG/L	B	U	F01,F06
REG	Silver	0.07	UG/L	U	U	

Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,4'-DDD	0.04	UG/L	U	U	
REG	4,4'-DDE	0.04	UG/L	U	U	
REG	4,4'-DDT	0.04	UG/L	U	U	
REG	Aldrin	0.02	UG/L	U	U	
REG	Alpha Chlordane	0.02	UG/L	U	U	
REG	Alpha-BHC	0.02	UG/L	U	U	
REG	Aroclor-1016	0.1	UG/L	U	U	
REG	Aroclor-1221	0.1	UG/L	U	U	
REG	Aroclor-1232	0.1	UG/L	U	U	
REG	Aroclor-1242	0.1	UG/L	U	U	
REG	Aroclor-1248	0.1	UG/L	U	U	
REG	Aroclor-1254	0.1	UG/L	U	U	
REG	Aroclor-1260	0.1	UG/L	U	U	
REG	Beta-BHC	0.02	UG/L	U	U	
REG	Delta-BHC	0.02	UG/L	U	U	
REG	Dieldrin	0.04	UG/L	U	U	
REG	Endosulfan I	0.02	UG/L	U	U	
REG	Endosulfan II	0.04	UG/L	U	U	
REG	Endosulfan Sulfate	0.04	UG/L	U	U	
REG	Endrin	0.04	UG/L	U	U	
REG	Endrin Aldehyde	0.04	UG/L	U	U	
REG	Endrin Ketone	0.04	UG/L	U	U	
REG	Gamma Chlordane	0.02	UG/L	U	U	
REG	Gamma-BHC (Lindane)	0.02	UG/L	U	U	
REG	Heptachlor	0.02	UG/L	U	U	
REG	Heptachlor Epoxide	0.02	UG/L	U	U	
REG	Methoxychlor	0.2	UG/L	U	U	
REG	Toxaphene	1	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	0.2	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	0.2	UG/L	U	U	
REG	Acenaphthylene	0.2	UG/L	U	U	
REG	Anthracene	0.2	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : SWSED4 SWSED4

013441

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 11/14/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Benzo(a)anthracene	0.2	UG/L	U	U	
REG	Benzo(a)pyrene	0.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	0.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	0.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	0.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	0.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	0.68	UG/L	J	J	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	0.2	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	0.2	UG/L	U	U	
REG	Fluorene	0.2	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	0.2	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	0.2	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	0.2	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	UJ	C05
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	UJ	C05
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	1.9	UG/L	J	J	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	0.45	UG/L	J	J	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

475

Location: SWMU-1
Station: SWSED4 SWSED4

013441

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 11/14/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
TIC REG	2.700 2,2,5-Trimethylhexane	2.7	UG/L	NJ			
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	-0.0727	PCI/L	U	U		0.201
REG	Radium-228	1.01	PCI/L		J	T04	0.535

015411

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 11/14/97

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Arsenic	0.15	MG/KG	U	U		
REG	Barium	4.1	MG/KG	B	J		
REG	Cadmium	0.05	MG/KG	U	U		
REG	Chromium	2.5	MG/KG	B	J	F10	
REG	Lead	3.2	MG/KG	*	=		
REG	Mercury	0.01	MG/KG	U	U		
REG	Selenium	0.31	MG/KG	B	UJ	F01,F06,P02	
REG	Silver	0.02	MG/KG	U	U		
Sample Type	Pesticides and/or PCBs	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	4,4'-DDD	17.6	UG/KG	U	U		
REG	4,4'-DDE	17.6	UG/KG	U	U		
REG	4,4'-DDT	17.6	UG/KG	U	U		
REG	Aldrin	8.8	UG/KG	U	U		
REG	Alpha Chlordane	8.8	UG/KG	U	U		
REG	Alpha-BHC	8.8	UG/KG	U	U		
REG	Aroclor-1016	44	UG/KG	U	U		
REG	Aroclor-1221	44	UG/KG	U	U		
REG	Aroclor-1232	44	UG/KG	U	U		
REG	Aroclor-1242	44	UG/KG	U	U		
REG	Aroclor-1248	44	UG/KG	U	U		
REG	Aroclor-1254	44	UG/KG	U	U		
REG	Aroclor-1260	44	UG/KG	U	U		
REG	Beta-BHC	8.8	UG/KG	U	U		
REG	Delta-BHC	8.8	UG/KG	U	U		
REG	Dieldrin	17.6	UG/KG	U	U		
REG	Endosulfan I	8.8	UG/KG	U	U		
REG	Endosulfan II	17.6	UG/KG	U	U		
REG	Endosulfan Sulfate	17.6	UG/KG	U	U		
REG	Endrin	17.6	UG/KG	U	U		
REG	Endrin Ketone	17.6	UG/KG	U	U		
REG	Gamma Chlordane	8.8	UG/KG	U	U		
REG	Gamma-BHC (Lindane)	8.8	UG/KG	U	U		
REG	Heptachlor	8.8	UG/KG	U	U		
REG	Heptachlor Epoxide	8.8	UG/KG	U	U		
REG	Methoxychlor	88	UG/KG	U	U		
REG	Toxaphene	440	UG/KG	U	U		
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,2,4-Trichlorobenzene	3.4	UG/KG	J	J		
REG	1,2-Dichlorobenzene	444	UG/KG	U	U		
REG	1,3-Dichlorobenzene	444	UG/KG	U	U		
REG	1,4-Dichlorobenzene	444	UG/KG	U	U		
REG	2,2'-oxybis (1-chloropropane)	444	UG/KG	U	U		
REG	2,4,5-Trichlorophenol	1110	UG/KG	U	U		
REG	2,4,6-Trichlorophenol	444	UG/KG	U	U		
REG	2,4-Dichlorophenol	444	UG/KG	U	U		
REG	2,4-Dimethylphenol	444	UG/KG	U	U		
REG	2,4-Dinitrophenol	1110	UG/KG	U	U		
REG	2,4-Dinitrotoluene	444	UG/KG	U	U		
REG	2,6-Dinitrotoluene	444	UG/KG	U	U		
REG	2-Chloronaphthalene	444	UG/KG	U	U		
REG	2-Chlorophenol	444	UG/KG	U	U		
REG	2-Methylnaphthalene	444	UG/KG	U	U		
REG	2-Methylphenol	444	UG/KG	U	U		

Ft. Stewart - SWMU 1

Location: SWMU-1
 Station : SWSED4 SWSED4

015411 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 11/14/97

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Nitroaniline	1110	UG/KG	U	U	
REG	2-Nitrophenol	444	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	889	UG/KG	U	U	
REG	3-Nitroaniline	1110	UG/KG	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	1110	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	444	UG/KG	U	U	
REG	4-Chloroaniline	444	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	444	UG/KG	U	U	
REG	4-Methylphenol	444	UG/KG	U	U	
REG	4-Nitroaniline	1110	UG/KG	U	U	
REG	4-Nitrophenol	1110	UG/KG	U	U	
REG	4-chloro-3-methylphenol	444	UG/KG	U	U	
REG	Acenaphthene	444	UG/KG	U	U	
REG	Acenaphthylene	444	UG/KG	U	U	
REG	Anthracene	444	UG/KG	U	U	
REG	Benzo(a)anthracene	444	UG/KG	U	U	
REG	Benzo(a)pyrene	444	UG/KG	U	U	
REG	Benzo(b)fluoranthene	444	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	444	UG/KG	U	U	
REG	Benzo(k)fluoranthene	444	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	444	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	444	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	444	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	444	UG/KG	U	U	
REG	Carbazole	444	UG/KG	U	UJ	C05
REG	Chrysene	444	UG/KG	U	U	
REG	Di-n-butyl Phthalate	444	UG/KG	U	U	
REG	Di-n-octyl Phthalate	444	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	444	UG/KG	U	U	
REG	Dibenzofuran	444	UG/KG	U	U	
REG	Diethyl Phthalate	444	UG/KG	U	U	
REG	Dimethyl Phthalate	444	UG/KG	U	U	
REG	Fluoranthene	444	UG/KG	U	U	
REG	Fluorene	444	UG/KG	U	U	
REG	Hexachlorobenzene	444	UG/KG	U	U	
REG	Hexachlorobutadiene	444	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	444	UG/KG	U	U	
REG	Hexachloroethane	444	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	444	UG/KG	U	U	
REG	Isophorone	444	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	444	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	444	UG/KG	U	U	
REG	Naphthalene	444	UG/KG	U	U	
REG	Nitrobenzene	444	UG/KG	U	U	
REG	Pentachlorophenol	1110	UG/KG	U	U	
REG	Phenanthrene	444	UG/KG	U	U	
REG	Phenol	444	UG/KG	U	U	
REG	Pyrene	444	UG/KG	U	U	

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	6.8	UG/KG	U	U	
REG	1,1,2,2-Tetrachloroethane	6.8	UG/KG	U	U	
REG	1,1,2-Trichloroethane	6.8	UG/KG	U	U	
REG	1,1-Dichloroethane	6.8	UG/KG	U	U	
REG	1,1-Dichloroethene	6.8	UG/KG	U	U	
REG	1,2-Dichloroethane	6.8	UG/KG	U	U	
REG	1,2-Dichloropropane	6.8	UG/KG	U	U	
REG	1,2-cis-Dichloroethene	6.8	UG/KG	U	U	
REG	1,2-trans-Dichloroethene	6.8	UG/KG	U	U	
REG	1,3-cis-Dichloropropene	6.8	UG/KG	U	U	
REG	1,3-trans-Dichloropropene	6.8	UG/KG	U	U	
REG	2-Butanone	13.5	UG/KG	U	U	
REG	2-Hexanone	13.5	UG/KG	U	U	
REG	4-Methyl-2-pentanone	13.5	UG/KG	U	U	
REG	Acetone	13.5	UG/KG	U	U	
REG	Benzene	6.8	UG/KG	U	U	
REG	Bromodichloromethane	6.8	UG/KG	U	U	
REG	Bromoform	6.8	UG/KG	U	U	

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Location: SWMU-1
Station : SWSED4 SWSED4

015411 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 11/14/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	Bromomethane	13.5	UG/KG	U	U		
REG	Carbon Disulfide	6.8	UG/KG	U	U		
REG	Carbon Tetrachloride	6.8	UG/KG	U	U		
REG	Chlorobenzene	6.8	UG/KG	U	U		
REG	Chloroethane	13.5	UG/KG	U	U		
REG	Chloroform	6.8	UG/KG	U	U		
REG	Chloromethane	13.5	UG/KG	U	U		
REG	Dibromochloromethane	6.8	UG/KG	U	U		
REG	Ethylbenzene	6.8	UG/KG	U	U		
REG	Methylene Chloride	8	UG/KG	B	U	F01,F07	
REG	Styrene	6.8	UG/KG	U	U		
REG	Tetrachloroethene	6.8	UG/KG	U	U		
REG	Toluene	6.8	UG/KG	U	U		
REG	Trichloroethene	6.8	UG/KG	U	U		
REG	Vinyl Chloride	13.5	UG/KG	U	U		
REG	Xylenes, Total	6.8	UG/KG	U	U		
Sample Type	Radiological	Result	Units	Qualifiers Lab	Data	Validation Code	Unc.
REG	Radium-226	0.338	PCI/G	J	J		0.120
REG	Radium-228	0.425	PCI/G	J	J		0.197

Location: SWMU-1
Station : VP-1 VP-1

012T51 5.0 - 10.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/18/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
REG	1,1,1-Trichloroethane	5	UG/L	U	U		
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U		
REG	1,1,2-Trichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethane	5	UG/L	U	U		
REG	1,1-Dichloroethene	5	UG/L	U	U		
REG	1,2-Dichloroethane	5	UG/L	U	U		
REG	1,2-Dichloropropane	5	UG/L	U	U		
REG	1,2-cis-Dichloroethene	5	UG/L	U	U		
REG	1,2-trans-Dichloroethene	5	UG/L	U	U		
REG	1,3-cis-Dichloropropene	5	UG/L	U	U		
REG	1,3-trans-Dichloropropene	5	UG/L	U	U		
REG	2-Butanone	10	UG/L	U	U		
REG	2-Hexanone	10	UG/L	U	U		
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05	
REG	Acetone	16.2	UG/L		=		
REG	Benzene	2	UG/L	U	U		
REG	Bromodichloromethane	5	UG/L	U	U		
REG	Bromoform	5	UG/L	U	U		
REG	Bromomethane	10	UG/L	U	U		
REG	Carbon Disulfide	5	UG/L	U	U		
REG	Carbon Tetrachloride	5	UG/L	U	U		
REG	Chlorobenzene	5	UG/L	U	U		
REG	Chloroethane	10	UG/L	U	UJ	C05	
REG	Chloroform	5	UG/L	U	U		
REG	Chloromethane	10	UG/L	U	U		
REG	Dibromochloromethane	5	UG/L	U	U		
REG	Ethylbenzene	5	UG/L	U	U		
REG	Methylene Chloride	2	UG/L	U	U		
REG	Styrene	5	UG/L	U	U		
REG	Tetrachloroethene	5	UG/L	U	U		
REG	Toluene	2	UG/L	U	U		
REG	Trichloroethene	5	UG/L	U	U		
REG	Vinyl Chloride	2	UG/L	U	U		
REG	Xylenes, Total	5	UG/L	U	U		

012T52 15.0 - 20.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/18/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code	
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Ft. Stewart - SWMU 1

Location: SWMU-1
Station: VP-1

VP-1

012T52 15.0 -20.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/18/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	3.2	UG/L	J	J	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	UJ	C05
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	0.55	UG/L	J	J	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

012T54 35.0 -40.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/13/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	1.4	UG/L	J	J	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	UJ	C05
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	0.32	UG/L	J	J	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	

479

Location: SWMU-1

Station: VP-1 VP-1

012T54

35.0 - 40.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/13/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

TBA012

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/14/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	UJ	C05
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	UJ	C05
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

TBA013

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	UJ	C05
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	UJ	C05
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1

Station: VP-1 VP-1

TBA013

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

TBA014

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	UJ	C05
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

TBA015

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/16/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	

481

Location: SWMU-1

Station: VP-1

VP-1

TBA015

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/16/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

TBA016

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 11/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloroethene	2	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	U	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	UJ	C05
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

TBA020

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 12/10/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station: VP-1 VP-1

TBA020 Field Sample Type: Trip Blank Matrix: Quality Control Collected: 12/10/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	C01
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	C05
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

TBA021 Field Sample Type: Trip Blank Matrix: Quality Control Collected: 12/10/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	C01
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	R	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	C05
REG	Toluene	0.13	UG/L	J	J	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

TBA024 Field Sample Type: Trip Blank Matrix: Quality Control Collected: 12/12/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
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483

Location: SWMU-1
Station: VP-1 VP-1

TBA024

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 12/12/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	UJ	A03,K01
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	UJ	A03,K01
REG	1,1,2-Trichloroethane	5	UG/L	U	UJ	A03,K01
REG	1,1-Dichloroethane	5	UG/L	U	UJ	A03,K01
REG	1,1-Dichloroethene	5	UG/L	U	UJ	A03,K01
REG	1,2-Dichloroethane	5	UG/L	U	UJ	A03,K01
REG	1,2-Dichloropropane	5	UG/L	U	UJ	A03,K01
REG	1,2-cis-Dichloroethene	5	UG/L	U	UJ	A03,K01
REG	1,2-trans-Dichloroethene	5	UG/L	U	UJ	A03,K01
REG	1,3-cis-Dichloropropene	5	UG/L	U	UJ	A03,K01
REG	1,3-trans-Dichloropropene	5	UG/L	U	UJ	A03,K01
REG	2-Butanone	10	UG/L	U	UJ	A03,K01
REG	2-Hexanone	10	UG/L	U	UJ	A03,K01
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	A03,K01
REG	Acetone	6.1	UG/L	J	J	A03,C05,K01
REG	Benzene	2	UG/L	U	UJ	A03,K01
REG	Bromodichloromethane	5	UG/L	U	UJ	A03,K01
REG	Bromoform	5	UG/L	U	UJ	A03,K01
REG	Bromomethane	10	UG/L	U	UJ	A03,K01
REG	Carbon Disulfide	5	UG/L	U	UJ	A03,K01
REG	Carbon Tetrachloride	5	UG/L	U	UJ	A03,K01
REG	Chlorobenzene	5	UG/L	U	UJ	A03,K01
REG	Chloroethane	10	UG/L	U	UJ	A03,K01
REG	Chloroform	5	UG/L	U	UJ	A03,K01
REG	Chloromethane	10	UG/L	U	UJ	A03,K01
REG	Dibromochloromethane	5	UG/L	U	UJ	A03,K01
REG	Ethylbenzene	5	UG/L	U	UJ	A03,K01
REG	Methylene Chloride	2	UG/L	U	UJ	A03,K01
REG	Styrene	5	UG/L	U	UJ	A03,K01
REG	Tetrachloroethene	5	UG/L	U	UJ	A03,K01
REG	Toluene	0.63	UG/L	J	J	A03,K01
REG	Trichloroethene	5	UG/L	U	UJ	A03,K01
REG	Vinyl Acetate	10	UG/L	U	UJ	A03,C05,K01
REG	Vinyl Chloride	2	UG/L	U	UJ	A03,K01
REG	Xylenes, Total	5	UG/L	U	UJ	A03,K01

TBA027

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 12/13/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	10	UG/L	U	UJ	C08
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : VP-1 VP-1

TBA027 Field Sample Type: Trip Blank Matrix: Quality Control Collected: 12/13/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	0.25	UG/L	J	J	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	C05
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

TBA029 Field Sample Type: Trip Blank Matrix: Quality Control Collected: 12/14/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	3.9	UG/L	J	J	C05
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	UJ	C05
REG	Carbon Disulfide	5	UG/L	U	UJ	C05
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	U	
REG	Chloroform	1	UG/L	J	J	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	0.43	UG/L	J	J	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Acetate	10	UG/L	U	UJ	C05
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

TBA031 Field Sample Type: Trip Blank Matrix: Quality Control Collected: 12/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	U	
REG	Acetone	4	UG/L	J	J	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	UJ	C05

485

Location: SWMU-1

Station: VP-1

VP-1

TBA031

Field Sample Type: Trip Blank

Matrix: Quality Control

Collected: 12/15/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	UJ	C05
REG	Chloroform	0.85	UG/L	J	J	
REG	Chloromethane	10	UG/L	U	UJ	C05
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	0.28	UG/L	J	J	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

Location: SWMU-1

Station: VP-2

VP-2

012U51

5.0 -10.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/17/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	24.5	UG/L		=	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	UJ	C05
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	0.77	UG/L	J	J	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	
TIC REG	2.700 2,2,5-Trimethylhexane	2.7	UG/L	NJ		

012U52

15.0 -20.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 11/17/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	

Ft. Stewart - SWMU 1

Location: SWMU-1
Station : VP-2 VP-2

012U52 15.0 -20.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/17/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	37.5	UG/L		=	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	UJ	C05
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	0.36	UG/L	J	J	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	0.35	UG/L	J	J	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

012U53 25.0 -30.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 11/18/97

Sample Type	Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,1,1-Trichloroethane	5	UG/L	U	U	
REG	1,1,2,2-Tetrachloroethane	5	UG/L	U	U	
REG	1,1,2-Trichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethane	5	UG/L	U	U	
REG	1,1-Dichloroethene	5	UG/L	U	U	
REG	1,2-Dichloroethane	5	UG/L	U	U	
REG	1,2-Dichloropropane	5	UG/L	U	U	
REG	1,2-cis-Dichloroethene	5	UG/L	U	U	
REG	1,2-trans-Dichloroethene	5	UG/L	U	U	
REG	1,3-cis-Dichloropropene	5	UG/L	U	U	
REG	1,3-trans-Dichloropropene	5	UG/L	U	U	
REG	2-Butanone	10	UG/L	U	U	
REG	2-Hexanone	10	UG/L	U	U	
REG	4-Methyl-2-pentanone	10	UG/L	U	UJ	C05
REG	Acetone	31.3	UG/L		=	
REG	Benzene	2	UG/L	U	U	
REG	Bromodichloromethane	5	UG/L	U	U	
REG	Bromoform	5	UG/L	U	U	
REG	Bromomethane	10	UG/L	U	U	
REG	Carbon Disulfide	5	UG/L	U	U	
REG	Carbon Tetrachloride	5	UG/L	U	U	
REG	Chlorobenzene	5	UG/L	U	U	
REG	Chloroethane	10	UG/L	U	UJ	C05
REG	Chloroform	5	UG/L	U	U	
REG	Chloromethane	10	UG/L	U	U	
REG	Dibromochloromethane	5	UG/L	U	U	
REG	Ethylbenzene	5	UG/L	U	U	
REG	Methylene Chloride	2	UG/L	U	U	
REG	Styrene	5	UG/L	U	U	
REG	Tetrachloroethene	5	UG/L	U	U	
REG	Toluene	2	UG/L	U	U	
REG	Trichloroethene	5	UG/L	U	U	
REG	Vinyl Chloride	2	UG/L	U	U	
REG	Xylenes, Total	5	UG/L	U	U	

CHAIN-OF-CUSTODY FORMS



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9411184

VSD

CHAIN OF CUSTODY RECORD

COC NO.: S11001

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory					
PROJECT NUMBER: 01-0331-04-7778-210																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417					
PROJECT MANAGER: Jeff Longaker																		PHONE NO.: (803) 556-8171					
Sampler (Signature) <i>[Signature]</i>				(Printed Name) JULIA GATSEFF														OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS					
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA METALS	PEST/PCS	RADIUM ISOTOPES	TOTAL IRON	RCRA METALS (Mixed)	SULFATE	TOC	RCRA METALS (total)									No. of Bottles/Vials		
312751	11/05/97	1705	water	X										-01								2	
211751	11/05/97	1555	soil	X										-02								1	
011951	11/05/97	1425	soil	X										-03								1	
012M51	11-05-97	1220	water	X										-04								2	012M51 JG 11/6/97
012851	11-06-97	0915	water	X										-05								2	
012P51	11-06-97	1020	water	X										-06								2	
012P71	11-06-97	1020	water	X										-07								2	
011851	11-06-97	0840	soil	X										-08								1	
012951	11-05-97	1515	water	X										-09								2	
TBA001	11-05-97	0800	water	X										-10								2	trip blank 11-05-97
012581	11-06-97	1155	water	X										-11								2	
012551	11-06-97	1155	water	X										-12								2	
JG 11/06/97																							

RELINQUISHED BY: <i>[Signature]</i>	Date/Time 11-06-97 1300	RECEIVED BY: <i>[Signature]</i>	Date/Time 11/7/97 0730	TOTAL NUMBER OF CONTAINERS: Cooler ID:	Cooler Temperature: FEDEX NUMBER:
COMPANY NAME: SAIC		COMPANY NAME:			
RECEIVED BY: 394426 9056	Date/Time 11-06-97 1300	RELINQUISHED BY:	Date/Time		
COMPANY NAME: FEDERAL EXPRESS		COMPANY NAME:			
RELINQUISHED BY:	Date/Time	RECEIVED BY: <i>[Signature]</i>	Date/Time		
COMPANY NAME:		COMPANY NAME: SEC			

F-179

489



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9711209

CHAIN OF CUSTODY RECORD

COC NO.: 511002

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7778-210																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417-27407	
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 556-8171	
Sampler (Signature)		(Printed Name)																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA METALS	PEST/PCB	RADON ISOTOPES	TOTAL IRON	RCRA METALS (Filtered)	SULFATE	TOC	RCRA METALS (Total)						No. of Bottles/Vials	
012N61	11-06-97	1620	water	X														2	
011151	11-06-97	1405	soil	X														1	
TBA002	11-06-97	1300	water	X														2	
012151	11-06-97	1430	water	X														2	
012N51	11-06-97	1620	water	X														2	
012E51	11-06-97	1555	water	X														2	
011161	11-06-97	1405	soil @ GP-1	X														1	
012D81	11-06-97	1550	water	X														2	
012D51	11-06-97	1555	water	X														2	
				JL 11/7/97															
RELINQUISHED BY: <i>[Signature]</i>				Date/Time: 11/7/97		RECEIVED BY:				Date/Time:		TOTAL NUMBER OF CONTAINERS:				Cooler Temperature:			
COMPANY NAME: SAIC				1241		COMPANY NAME:						Cooler ID:				FEDEX NUMBER:			
RECEIVED BY: <i>[Signature]</i>				Date/Time: 11/7/97		RELINQUISHED BY:				Date/Time:		Temp 40C							
COMPANY NAME: GEN ENG LABS				1241		COMPANY NAME: Roger Desnow													
RELINQUISHED BY: <i>[Signature]</i>				Date/Time: 11/7/97		RECEIVED BY:				Date/Time:									
COMPANY NAME: GEN ENG LABS				1600		COMPANY NAME: SCC				11/7/97									



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9711213

CHAIN OF CUSTODY RECORD

COC NO.: 511003

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7778-210																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 656-8171	
Inspector (Signature) <i>Julia Gantseff</i> (Printed Name) JULIA GANTSEFF																		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, PCRA METALS	PEST/PCB	RADIUM ISOTOPES	TOTAL IRON	PCRA METALS (Inferred)	SULFATE	TOC	PCRA METALS (total)						No. of Bottles/Vials	
212551	11/07/97	1605	water	X														2	
211551	11/07/97	1605	soil	X														1	
212251	11-07-97	1005	water	X														2	
TBA004	11-07-97	0750	water	X														2 TBA004 blank	
212B61	11-07-97	1430	water	X														2	
212651	11-07-97	1720	water	X														2	
211351	11-07-97	1040	soil	X														1	
21127																			
012051	11-07-97	1355	water	X														2 1355	
012361	11-07-97	1100	water	X														2	
012B51	11-07-97	1430	water	X														2 012B51	
011251	11-07-97	0935	soil	X														1	
012351	11-07-97	1100	water	X														2	
RELINQUISHED BY: <i>Julia Gantseff</i>	Date/Time: 11-08-97	9:15	COMPANY NAME: SAIC	RECEIVED BY:	Date/Time:	TOTAL NUMBER OF CONTAINERS:	Cooler ID:	Cooler Temperature:	FEDEX NUMBER:										
RECEIVED BY: <i>Engel D. Modle</i>	Date/Time: 11-08-97	9:15	COMPANY NAME: SAIC	RELINQUISHED BY:	Date/Time:														
RELINQUISHED BY: <i>Engel D. Modle</i>	Date/Time: 11/8/97	1350	COMPANY NAME: SAIC	RECEIVED BY: <i>Q Desorme</i>	Date/Time: 11/8/97														
				COMPANY NAME: DEL															

Temp 5°C

491

CHAIN OF CUSTODY RECORD

COC NO.: 511004

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7779-210																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417 29407	
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 556-8171	
Inspector (Signature) <i>Julia Gause</i> (Printed Name) JULIA GAUSE																		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA METALS	PEST/PCB	RADIUM ISOTOPES	TOTAL IRON	RCRA METALS (Filtered)	SULFATE	TOC	RCRA METALS (total)						No. of Bottles/Vials	
211651	11-07-97	1700	soil	X														1	
212451	11-07-97	1800	water	X														2	
212251	11-07-97	1110	water	X														2	
TBA003	11-07-97	0745	water	X														2	
212K51	11-07-97	0920	water	X														2	
212H51	11-07-97	1400	water	X														2	
212A51	11-07-97	1515	water	X														2	
TBA005	11-07-97	1230	water	X														2	
211A51	11-07-97	1450	soil	X														1	
TBA006	11-07-97	1345	water	X														2	
212581	11-08-97	0750	water	X														2	
212G51	11-08-97	0820	water	X														2	
212F51	11-08-97	0840	water	X														2	
RELINQUISHED BY: <i>Julia Gause</i> Date/Time: 11-08-97 0930				RECEIVED BY:				Date/Time:				TOTAL NUMBER OF CONTAINERS:				Cooler Temperature:			
COMPANY NAME: SAIC				COMPANY NAME:								Cooler ID:				FEDEX NUMBER:			
RECEIVED BY: <i>Bryce R. Miller</i> Date/Time: 11-08-97 0930				RELINQUISHED BY:				Date/Time:											
COMPANY NAME: SAIC				COMPANY NAME:															
RELINQUISHED BY: <i>Julia Gause</i> Date/Time: 11/8/97 1350				RECEIVED BY: <i>Regina Desormeaux</i> Date/Time: 11/8/97 1350															
COMPANY NAME: SAIC				COMPANY NAME: SAIC															



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9711455

CHAIN OF CUSTODY RECORD

COC NO.: 511006

PROJECT NAME: Fort Stewart BWU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory		
PROJECT NUMBER: 01-0331-04-7778-210																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417		
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 555-8171		
Sampler (Signature) <i>[Signature]</i> (Printed Name) JULIA GARTSEFF																		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, PCRA METALS	PEST/PCB	RADIUM ISOTOPES	TOTAL IRON	PCRA METALS (Residual)	SULFATE	TOC	PCRA METALS (Inoc)						No. of Barrels/Vials		
013441	11-14-97	1502	water	X	X	X	X											7		
015211	11-15-97	1055	soil	X	X	X	X											2		
015111	11-15-97	1640	soil	X	X	X	X											2		
015311	11-15-97	1300	soil	X	X	X	X											2		
015411	11-14-97	1700	soil	X	X	X	X											2		
011512	11-15-97	1645	soil	X	X	X	X											2		
011811	11-16-97	0850	soil	X	X	X	X											2		
011511	11-15-97	1515	soil	X	X	X	X											2		
011112	11-16-97	1120	soil	X	X	X	X											2		
011612	11-15-97	0930	soil	X	X	X	X											2		
F-183																				
RELINQUISHED BY: <i>[Signature]</i>		Date/Time: 11/17/97 1430	RECEIVED BY:		Date/Time:		TOTAL NUMBER OF CONTAINERS:				Cooler Temperature:									
COMPANY NAME: SAIC			COMPANY NAME:				Cooler ID:				FEDEX NUMBER:									
RECEIVED BY: <i>[Signature]</i>		Date/Time: 11/17/97 1430	RELINQUISHED BY:		Date/Time:															
COMPANY NAME: SCL			COMPANY NAME:																	
RELINQUISHED BY:		Date/Time:	RECEIVED BY:		Date/Time:															
COMPANY NAME:			COMPANY NAME:																	

493



800 Out Ridge Turntable, Oak Ridge, TN 37831 1623 481-4900

CHAIN OF CUSTODY RECORD

COC NO.: 511007

PROJECT NAME: Fort Stewart BWU 1 South Central Landfill				REQUESTED PARAMETERS																	LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7779-210																					LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Jeff Longaker																					PHONE NO: (803) 866-8171	
Sample Signature: <i>[Signature]</i> (Printed Name)																					OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC	PCB METALS	PESTICIDES	RADIUM ISOTOPES	TOTAL IRON	PCB METALS (Mixed)	SULFATE	TOC	PCB METALS (Total)						No. of Batches/Vials			
Q13411	11-14-97	1605	Water	X	X	X	X												7	457-02		
TBA012	11-14-97	1530	Water	X	X	X	X												2	457-03		
Q11712	11-16-97	1440	Soil	X	X	X	X												2			
Q11611	11-15-97	0915	soil	X	X	X	X												2			
Q11812	11-16-97	0900	soil	X	X	X	X												2			
Q11111	11-16-97	1115	soil	X	X	X	X												2			
F-184 Q11912	11-16-97	1835	soil	X	X	X	X												2			
Q11911	11-16-97	1815	soil	X	X	X	X												2			
Q11711	11-16-97	1435	soil	X	X	X	X												2			
Q11311	11-16-97	1500	soil	X	X	X	X												2			
Q11121	11-16-97	1115	soil	X	X	X	X												2			
				<i>[Handwritten signature]</i> 11/17/97																		

RELINQUISHED BY: *[Signature]*
COMPANY NAME: SAK

RECEIVED BY: _____
Date/Time: 11/17/97 1430

RELINQUISHED BY: *[Signature]*
COMPANY NAME: E.E.C.

RECEIVED BY: _____
Date/Time: 11/17/97 1430

RELINQUISHED BY: _____
COMPANY NAME: _____

RECEIVED BY: _____
Date/Time: _____

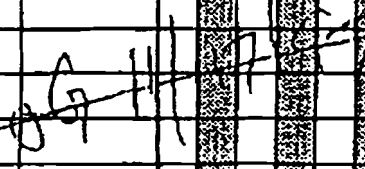
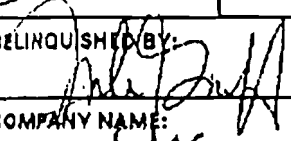
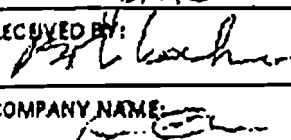
TOTAL NUMBER OF CONTAINERS: _____
Cooler ID: _____

Cooler Temperature: _____
FEDEX NUMBER: _____



CHAIN OF CUSTODY RECORD

COC NO.: 511008

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS *																LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7778-210																				LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: JEH Longaker																				PHONE NO: (803) 686-8171	
Samples (Signatures) (Printed Name)																				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA METALS	PESTICIDES	RADIUM NUCIDES	TOTAL IRON	RCRA METALS (Heavy)	SULFATE	TOC	RCRA METALS (Trace)							No. of Bottles/Vials		
013311	11-15-97	1300	water		X	X													4	457-04	
013321	11-15-97	1300	water		X	X													4	457-05	
013211	11-15-97	1055	water		X	X													4	457-06	
011212	11-15-97	1845	soil	X	X	X													2		
011312	11-16-97	1550	soil	X	X	X													2		
F-185																					
RELINQUISHED BY: 				RECEIVED BY:				TOTAL NUMBER OF CONTAINERS:				Cooler Temperature:									
COMPANY NAME: SAIC				COMPANY NAME:				Cooler ID:				FEDEX NUMBER:									
RECEIVED BY: 				RELINQUISHED BY:																	
COMPANY NAME: 				COMPANY NAME:																	
RELINQUISHED BY:				RECEIVED BY:				Date/Time													
COMPANY NAME:				COMPANY NAME:																	

495

CHAIN OF CUSTODY RECORD

COC NO.: 511009

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory			
PROJECT NUMBER: 01-0331-04-7779-210																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 558-8171			
Signature (Signature): <i>Julia G. Grosseff</i> (Printed Name): JULIA GROSSEFF																		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS			
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA METALS	PEST/PCB	RADIUM ISOTOPES	TOTAL IRON	RCRA METALS (Filtered)	SULFATE	TOC	RCRA METALS (Total)						No. of Bottles/Vials			
213311	11-15-97	1300	water	X			X											3			
213321	11-15-97	1300	water	X			X											3			
213211	11-15-97	1055	water	X			X											3			
TBA013	11-15-97	0730	water	X														2			
215121	11-15-97	1640	soil	X	X	X	X											2			
011412	11-16-97	1330	soil	X	X	X	X											2			
011211	11-16-97	1840	soil	X	X	X	X											2			
011411	11-16-97	1315	soil	X	X	X	X											2			
<i>16/11/17/97</i>																					
RELINQUISHED BY: <i>Julia G. Grosseff</i>				Date/Time: 11/17/97				RECEIVED BY:				Date/Time:				TOTAL NUMBER OF CONTAINERS:				Cooler Temperature:	
COMPANY NAME: SAIC				1430				COMPANY NAME:								Cooler ID:				FEDEX NUMBER:	
RECEIVED BY: <i>Bob Kachro</i>				Date/Time: 11/17/97				RELINQUISHED BY:				Date/Time:									
COMPANY NAME: GEC				1430				COMPANY NAME:													
RELINQUISHED BY: <i>Bob Kachro</i>				Date/Time: 11/17/97				RECEIVED BY: <i>Pragya Desai</i>				Date/Time: 11/17/97									
COMPANY NAME: GEC				1645				COMPANY NAME: GEC				1645									
Temp 4°C																					



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9711457

CHAIN OF CUSTODY RECORD

COC NO.: 511010

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill

PROJECT NUMBER: 01-0331-04-7778-210

PROJECT MANAGER: Jeff Longaker

Sampler (Signature)

(Printed Name)

Julia Garbetti

JULIA GARBETTI

Sample ID	Date Collected	Time Collected	Matrix
213111	11-15-97	1640	water
212841	11-16-97	0945	water
212741	11-16-97	1450	water

REQUESTED PARAMETERS											
VOC	SVOC	PEST/PCB	RADIUM ISOTOPES	TOTAL IRON	RCRA METALS (Filtered)	ELUATES	TOC	RCRA METALS (total)			
X	X	X									
X	X	X									
X	X	X	X				X				

No. of Bottles/Vials:

LABORATORY NAME:

General Engineering Laboratory

LABORATORY ADDRESS:

2040 Savage Road
Charleston, SC 29417

PHONE NO: (803) 556-8171

OBSERVATIONS, COMMENTS,
SPECIAL INSTRUCTIONS

F-187

RELINQUISHED BY:

Date/Time

Julia Garbetti

11/17/97

COMPANY NAME:

SAIC

1430

RECEIVED BY:

Date/Time

COMPANY NAME:

TOTAL NUMBER OF CONTAINERS:

Cooler ID:

Cooler Temperature:

FEDEX NUMBER:

RECEIVED BY:

Date/Time

Bob Kocher

11/17/97

COMPANY NAME:

BEL

1430

RELINQUISHED BY:

Date/Time

COMPANY NAME:

RELINQUISHED BY:

Date/Time

Bob Kocher

11/17/97

COMPANY NAME:

BEL

1645

RECEIVED BY:

Date/Time

COMPANY NAME:

BEL

11/17/97
1645

Temp 4°C

497

9711457

CHAIN OF CUSTODY RECORD

COC NO.: 511011

13

[illegible]

F-188



00 Oak Ridge Tunnels, Oak Ridge, TN 37831 (423) 481-4600

COC NO.: 511012

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7778-210																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 550-8171	
Sampler (Signature)		(Printed Name)																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA METALS	PEST/PCB	RADIUM ISOTOPES	TOTAL IRON	RCRA METALS (Inorganic)	SULFATE	TOC	RCRA METALS (total)	pH	Oil and Grease	phenol	No. of Batches/Vials			
POLY-1	11-16-97	2000	Water	X									X	X	X		7	4-HOUR TURNAROUND REQUIRED	
NWCOMPI	11-17-97	1300	water	X									X	X	X		2		
RELINQUISHED BY: [Signature]		Date/Time 11/17/97 1405		RECEIVED BY:		Date/Time		TOTAL NUMBER OF CONTAINERS:		Cooler Temperature:									
COMPANY NAME: S&L				COMPANY NAME:				Cooler ID:		FEDEX NUMBER:									
RELINQUISHED BY: [Signature]		Date/Time 11/17/97 1405		RELINQUISHED BY:		Date/Time													
COMPANY NAME: S&L				COMPANY NAME:															
RELINQUISHED BY: [Signature]		Date/Time 11/17/97 1645		RECEIVED BY: [Signature]		Date/Time 11/17/97 1645													
COMPANY NAME: S&L				COMPANY NAME: S&L															

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499



100 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4900

CHAIN OF CUSTODY RECORD

COC NO.: 511013

[illegible]



50 Oak Ridge Turnpike, Oak Ridge, TN 37821 (423) 481-4800

CHAIN OF CUSTODY RECORD

COC NO.: S11615

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory				
PROJECT NUMBER: 01-0331-04-7779-210																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417				
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 556-8171				
Sampler (Signature)		(Printed Name)																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS				
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, SEMI-METALS	PEST/PCS	RADIUM ISOTOPES	TOTAL IRON	PCRA METALS (Filtered)	SULFATE	TOC	PCRA METALS (Total)									No. of Bottles/Vials	
012G11	12/10/97	1130	water		X	X															2	9712370-01
012J11	12/10/97	1400	water		X	X															3	9712370-02
012S11	12/10/97	1020	water		X	X															3	9712370-03
012M11	12/10/97	2040	water		X	X															3	9712370-04
REMAINDER OF THIS PAGE IS VOID																						
RELINQUISHED BY: Laura Lundy				Date/Time: 12/12/97		RECEIVED BY: Bob Kocher				Date/Time: 12/12/97		TOTAL NUMBER OF CONTAINERS: 11				Cooler Temperature:						
COMPANY NAME: SAIC				1315		COMPANY NAME: GEL				1315		Cooler ID: #320				FEDEX NUMBER: 4°C						
RECEIVED BY:				Date/Time:		RELINQUISHED BY:				Date/Time:												
COMPANY NAME:						COMPANY NAME:																
RELINQUISHED BY: Bob Kocher				Date/Time: 12/12/97		RECEIVED BY: Laura Lundy				Date/Time: 12/12/97												
COMPANY NAME: GEL				1610		COMPANY NAME: GEL				1610												

F-191

501



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CHAIN OF CUSTODY RECORD

COC NO.: 511016

[illegible]

F-192



COC NO.: 511 017

F-193

503



100 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4800

CHAIN OF CUSTODY RECORD

COC NO.: S11019

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS																		LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7779-210																						LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Jeff Longaker																						PHONE NO: (803) 556-8171	
Sampler (Signature)		(Printed Name)																				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA METALS	PEST/PCB	RADIUM ISOTOPES	TOTAL IRON	RCRA METALS (mixed)	SULFATE	TDC	RCRA METALS (total)							No. of Bottles/Vials:				
012111	12/13/97	1050	water																1				
012H11	12/14/97	915																	1				
012N11	12/14/97	1515																	1				
012K11	12/14/97	1115																	1				
012311	12/13/97	1345	✓																1				
F-195 88																							
RELINQUISHED BY: <i>Laura Lumley</i>		Date/Time 12/15/97	RECEIVED BY: <i>B. Kocho</i>		Date/Time 12.15.97	TOTAL NUMBER OF CONTAINERS: 5		Cooler Temperature: 4°C															
COMPANY NAME: SAIC		1300	COMPANY NAME: GEL		1300	Cooler ID: SAIC #1		FEDEX NUMBER:															
RECEIVED BY:		Date/Time	RELINQUISHED BY:		Date/Time	Temp 4°C																	
COMPANY NAME:			COMPANY NAME:																				
RELINQUISHED BY: <i>B. Kocho</i>		Date/Time 12.15.97	RECEIVED BY: <i>Laura Lumley</i>		Date/Time 12.15.97																		
COMPANY NAME: GEL		1615	COMPANY NAME: GFL		1615																		

505



COC NO.: S1102C

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory			
PROJECT NUMBER: 01-0331-04-7779-21D				VOC	SVOC, RCRA METALS	PESTICIDES	RADIIUM ISOTOPES	TOTAL IRON	RCRA METALS (Filtered)	SULFATE	TOC	RCRA METALS (Total)							No. of Samples/Vials	LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Jeff Longaker																				PHONE NO: (803) 656-8171	
Sampler (Signature)		(Printed Name)																		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA METALS	PESTICIDES	RADIIUM ISOTOPES	TOTAL IRON	RCRA METALS (Filtered)	SULFATE	TOC	RCRA METALS (Total)									
012841	12/14/97	0900	water																	1	9712394-15
012521	12/13/97	1230						X	X	X	X									3	9712394-16
012911	12/12/97	2000						X	X	X	X									3	9712394-18
012611	12/13/97	1145						X	X	X	X									2	9712394-02
012511	12/13/97	1230						X	X	X	X									2	9712394-03
012311	12/13/97	1345						X	X	X	X									2	9712394-04
012811	12/12/97	1830						X	X	X	X									2	9712394-05
012111	12/13/97	1050						X	X	X	X									2	9712394-06
012211	12/12/97	1910						X	X	X	X									2	9712394-07
012811	12/14/97	1115							X											1	9712394-01
012631	12/13/97	1145																			
012N11	12/14/97	1515							X											1	9712394-02
012711	12/14/97	1700	✓						X											1	9712394-03
RELINQUISHED BY: Laura Lumley		Date/Time 12/15/97	RECEIVED BY: Jeff Longaker		Date/Time 12.15.97		TOTAL NUMBER OF CONTAINERS: 22										Cooler Temperature: 4°C				
COMPANY NAME: G.A. JC		1300	COMPANY NAME: GEC		1700		Cooler ID: #100										FEDEX NUMBER:				
ECEIVED BY:		Date/Time	RELINQUISHED BY:		Date/Time		Temp 6°C														
COMPANY NAME:			COMPANY NAME:																		
RELINQUISHED BY: Jeff Longaker		Date/Time 12.15.97	RECEIVED BY: Laura Lumley		Date/Time 12.15.97																
COMPANY NAME: GEC		1615	COMPANY NAME: GEC		16:15																

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CHAIN OF CUSTODY RECORD

COC NO.: 511021

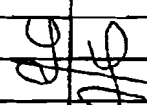
PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory		
PROJECT NUMBER: 01-0331-04-7778-210																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417		
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 556-8171		
Sampler (Signature)		Printed Name																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, PCRA-METALS	PEST/PCB	RADIUM ISOTOPES	TOTAL IRON	PCRA METALS (Filtered)	SULFATE	TOC	PCRA METALS (Total)							No. of Bottles/Vials	
012321	12/13/97	1345	Water					X		X	X								2	9712397 - 08
012631	12/13/97	1145						X		X	X									9712397 - 12
012211	12/12/97	1910							X										1	9712397 - 16
012011	12/14/97	1730						X		X	X								2	9712397 - 09
012K11	12/14/97	1115						X			X								1	9712397 - 12
012N11	12/14/97	1515						X			X								1	9712397 - 13
012P11	12/14/97	1100						X		X	X								2	9712397 - 10
012841	12/14/97	0900						X			X								1	9712397 - 15
012H11	12/14/97	915						X		X	X								2	9712397 - 11
012711	12/14/97	1700						X			X								2	9712397 - 15
012521	12/13/97	1230		X	X														2	9712397 - 17
																				9712397 - 19
RELINQUISHED BY: <i>Samuel Lumley</i>				Date/Time: 12/15/97		RECEIVED BY: <i>Jeff Longaker</i>		Date/Time: 12/15/97		TOTAL NUMBER OF CONTAINERS: 16		Cooler Temperature: 4°C								
COMPANY NAME: SAIC				1300		COMPANY NAME: GEL		13		#147		FEDEX NUMBER:								
RECEIVED BY:				Date/Time:		RELINQUISHED BY:		Date/Time:		Temp 5°C										
COMPANY NAME:						COMPANY NAME:														
RELINQUISHED BY: <i>Samuel Lumley</i>				Date/Time: 12/15/97		RECEIVED BY: <i>Jeff Longaker</i>		Date/Time: 12/15/97												
COMPANY NAME: GEL				16/15		COMPANY NAME: GEL		16/15												

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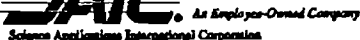
507



COC NO.: 511 022

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory			
PROJECT NUMBER: 01-0331-04-7778-210																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 556-8171			
Sampler (Signature)		(Printed Name)																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS			
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC-RCRA-METALS	PEST/PCB	RADIUM ISOTOPES	TOTAL IRON	RCRA METALS (Rend)	SULFATE	TOC	RCRA METALS (total)						No. of Bottles/Vials			
012111	12/13/97	1050	water	X	X													3	9712390-09		
012911	12/12/97	2000		X	X													3	9712390-10		
012311	12/12/97	1830		X	X													1	9712390-11		
012521	12/13/97	1230		X	X													1	9712390-12		
012511	12/13/97	1230		X	X													3	9712390-13		
012211	12/12/97	1910		X	X													1	9712390-14		
																					
RELINQUISHED BY:		Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 12										Cooler Temperature: 40°C						
COMPANY NAME: SAIL		12/15/97 1300	COMPANY NAME: GEL		12.15.97 1300	Cooler ID: #133										FEDEX NUMBER:					
ECEIVED BY:		Date/Time	RELINQUISHED BY:	Date/Time	Temp 62																
COMPANY NAME:			COMPANY NAME:																		
RELINQUISHED BY:		Date/Time	RECEIVED BY:	Date/Time																	
COMPANY NAME: GEL		12.15.97 1615	COMPANY NAME: GEL		12.15.97 1615																

F-198



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CHAIN OF CUSTODY RECORD

COC NO.: S11 E23

F-199

509



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CHAIN OF CUSTODY RECORD

COC NO.:

511024

511024

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill

PROJECT NUMBER: 01-0331-04-7779-210

PROJECT MANAGER: Jeff Longaker

Sampler (Signature)

(Printed Name)

Laura Humley Laura Humley

REQUESTED PARAMETERS

LABORATORY NAME:

General Engineering Laboratory

LABORATORY ADDRESS:

2040 Savage Road
Charleston, SC 29417

PHONE NO: (803) 556-8171

OBSERVATIONS, COMMENTS,
SPECIAL INSTRUCTIONS

Sample ID Date Collected Time Collected Matrix

VOC

SVOC, RCRA-METALS

PEST/PCB

RADIUM ISOTOPES

TOTAL IRON

RCRA METALS (Filtered)

SULFATE

TOC

RCRA METALS (total)

No. of Bottles/Vials

012N11 12/14/97 1515 water

012P11 12/14/97 1100 ↓

012C11 12/14/97 1230 ↓

012321 12/13/97 1345 ↓

F-200

RELINQUISHED BY:

Laura Humley

Date/Time

12/15/97

RECEIVED BY:

Bob Locke

Date/Time

12-15-97

TOTAL NUMBER OF CONTAINERS:

11

Cooler Temperature:

4°C

COMPANY NAME:

SAIC

COMPANY NAME:

GE

Cooler ID:

#321

FEDEX NUMBER:

RECEIVED BY:

Date/Time

RELINQUISHED BY:

Date/Time

COMPANY NAME:

COMPANY NAME:

RELINQUISHED BY:

Date/Time

RECEIVED BY:

Date/Time

COMPANY NAME:

COMPANY NAME:



COC NO.: S11024

511



As Employee-Owned Company
Science Applications International Corporation

900 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: 511025

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory			
PROJECT NUMBER: 01-0331-04-7779-210																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Jeff Longaker																PHONE NO: (803) 556-8171			
Sampler (Signature) <i>Laura Lumley</i> (Printed Name) Laura Lumley																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS			
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC/PCB-METALS	PESTICIDES	RADIUM ISOTOPES	TOTAL IRON	PCRA METALS (Filtered)	SULFATE	TOC	PCRA METALS (total)					No. of Bottles/Vials		
012K11	12/14/97	1115	water	X	X												3		
012841	12/14/97	900		X	X												3		
012711	12/14/97	1700		X	X												3		
012411	12/14/97	915		X	X												3		
F-202				<i>[Signature]</i>															
RELINQUISHED BY: <i>Laura Lumley</i>				Date/Time: 12/15/97				RECEIVED BY: <i>[Signature]</i>				Date/Time: 12/15/97				TOTAL NUMBER OF CONTAINERS: 12		Cooler Temperature: 4°C	
COMPANY NAME: SAIC				1300				COMPANY NAME: GEL				1315				Cooler ID: SAIC #2		FEDEX NUMBER:	
RECEIVED BY:				Date/Time:				RELINQUISHED BY:				Date/Time:				Temp Loc			
COMPANY NAME:								COMPANY NAME:											
RELINQUISHED BY: <i>[Signature]</i>				Date/Time: 12/15/97				RECEIVED BY: <i>[Signature]</i>				Date/Time: 12/15/97							
COMPANY NAME: GEL				1615				COMPANY NAME: GEL				1615							



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CHAIN OF CUSTODY RECORD

COC NO.: 511026

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory			
PROJECT NUMBER: 01-0331-04-7778-210				VOC	SVOC, RCRA METALS	PEST/PCB	RADIUM ISOTOPES	TOTAL IRON	RCRA METALS (Filtered)	SULFATE	TOC	RCRA METALS (total)							No. of Bottles/Vials	LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Jeff Longaker																				PHONE NO: (803) 558-8171	
Signature (Signature) (Printed Name) Laura Lumley Laura Lumley				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS																	
Sample ID	Date Collected	Time Collected	Matrix																		
12511	12/13/97	1230	water	X															2	9712387-01	
12211	12/12/97	1910		X															2	02	
12321	12/13/97	1345		X															2	03	
12011	12/14/97	1730		X															2	04	
12841	12/14/97	900		X															2	05	
12811	12/14/97	1115		X															2	06	
124611	12/12/97	1430		X															2	07	
12311	12/13/97	1345		X															2	08	
12911	12/12/97	2000		X															2	09	
12111	12/13/97	1050		X															2	10	
12611	12/13/97	1145		X															2	11	
12N11	12/14/97	1515		X															2	12	
12521	12/13/97	1230		X															2	13	
RELINQUISHED BY: Laura Lumley		Date/Time 12/15/97	RECEIVED BY: Jeff Longaker		Date/Time 12-15-97		TOTAL NUMBER OF CONTAINERS: Cooler ID: #129		Cooler Temperature: 40C		FEDEX NUMBER:										
COMPANY NAME: SAIC		Date/Time 11300	COMPANY NAME: GEL		Date/Time 1300																
RECEIVED BY:		Date/Time	RELINQUISHED BY:		Date/Time		Temp 5C														
COMPANY NAME:			COMPANY NAME:																		
RELINQUISHED BY: Jeff Longaker		Date/Time 12-15-97	RECEIVED BY: Laura Lumley		Date/Time 12-15-97																
COMPANY NAME: GEL		Date/Time 1615	COMPANY NAME: GEL		Date/Time 1615																

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SAIC
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90 Oak Ridge Turnpike, Oak Ridge, TN 37831 (623) 481-4000

CHAIN OF CUSTODY RECORD

COC NO.: 511026

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill					REQUESTED PARAMETERS															LABORATORY NAME: General Engineering Laboratory									
PROJECT NUMBER: 01-0331-04-7778-210																				LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417									
PROJECT MANAGER: Jeff Longaker																				PHONE NO: (803) 556-8171									
Sampler (Signature) <i>Laura Lumley</i>					(Printed Name) Laura Lumley																				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS				
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA METALS	PEST/PCB	RADONU ISOTOPES	TOTAL IRON	RCRA METALS (Filtered)																SULFATE	TOC	RCRA METALS (total)		
12P11	12/14/97	1100	water	X																		2	14						
12H11	12/14/97	915		X																		2	15						
12711	12/14/97	1700		X																		2	16						
TBA 024	12/12/97	745		X																		2	17						
TBA 027	12/13/97	745		X																		2	18						
TBA 029	12/14/97	745		X																		2	19						
RECEIVED BY: [Signature] DATE: 12/15/97 TIME: 1300																													
RELINQUISHED BY: <i>Laura Lumley</i>					RECEIVED BY: <i>[Signature]</i>					Date/Time 12/15/97					TOTAL NUMBER OF CONTAINERS: 38					Cooler Temperature: 4°C									
COMPANY NAME: SAIC					Date/Time 1300					COMPANY NAME: GEL					Date/Time 1300					Cooler ID: #129					FEDEX NUMBER:				
RECEIVED BY:					Date/Time					RELINQUISHED BY:					Date/Time					Temp 5°C									
COMPANY NAME:										COMPANY NAME:																			
RELINQUISHED BY: <i>[Signature]</i>					RECEIVED BY: <i>[Signature]</i>					Date/Time 12-15-97					Date/Time 12-15-97														
COMPANY NAME: GEL					Date/Time 1615					COMPANY NAME: GEL					Date/Time 1615														

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COC NO.: 511031

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7778-210																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 556-8171	
Sampler (Signature)		(Printed Name)																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA METALS	PEST/PCB	RADIUM ISOTOPES	TOTAL IRON	RCRA METALS (Filtered)	SULFATE	TOC	RCRA METALS (total)	oil and grease	phenols	H ₂	No. of Bottles/ Vials			
012911	12/12/97	2000	water														1	9712394-01	
012811	12/12/97	1830															1	9712394-02	
012631																			
012211	12/12/97	1910															1	9712394-03	
0121011	12/13/97	1145															1	9712394-04	
0143	12/15/97	1230		X									XX	X			6	24hr. turnaround 9712380-01	
RELINQUISHED BY: <i>Laura J. Longaker</i> COMPANY NAME: SAIC				Date/Time		RECEIVED BY: <i>Bob Koch</i>		Date/Time		TOTAL NUMBER OF CONTAINERS: 10		Cooler Temperature: 4°C							
				1300		COMPANY NAME: GEL		1300		Cooler ID: SAIC #5		FEDEX NUMBER:							
				Date/Time		RELINQUISHED BY:		Date/Time		Temp 4°C									
				COMPANY NAME:		COMPANY NAME:													
				RELINQUISHED BY: <i>Bob Koch</i>		Date/Time		RECEIVED BY: <i>Laura J. Longaker</i>		Date/Time									
COMPANY NAME: GEL		1615		COMPANY NAME: GEL		1615													

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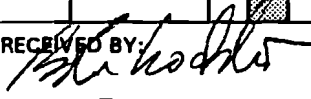
COC NO.: 511 033

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS																	LABORATORY NAME: General Engineering Laboratory		
PROJECT NUMBER: 01-8831-04-7778-210																					LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417		
PROJECT MANAGER: Jeff Longaker																					PHONE NO: (803) 556-8171		
Sampler (Signature)		(Printed Name)																			OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA-METALS	PEST/PCS	RADIUM ISOTOPES	TOTAL IRON	RCRA METALS (Filtered)	SULFATE	TOC	RCRA METALS (total)									No. of Bottles/Vials		
712 E11	12/15/97	1010	water		X	X	X	X	X	X	X	X									6		
712 D11	12/15/97	2050					X														1		
712 411	12/15/97	1300					X														1		
F-206																							
RELINQUISHED BY: Laura Lumley		Date/Time 12/17/97		RECEIVED BY: [Signature]		Date/Time 12/17/97		TOTAL NUMBER OF CONTAINERS: 8														Cooler Temperature: 4°C	
COMPANY NAME: SAIC		1330		COMPANY NAME: [Signature]		1330		Cooler ID: #103														FEDEX NUMBER:	
RECEIVED BY:		Date/Time		RELINQUISHED BY:		Date/Time																	
COMPANY NAME:				COMPANY NAME:																			
RELINQUISHED BY:		Date/Time		RECEIVED BY:		Date/Time																	
COMPANY NAME:				COMPANY NAME:																			



CHAIN OF CUSTODY RECORD

COC NO.: S11034

PROJECT NAME: Fort Stewart SWMU 1 South Central Landfill				REQUESTED PARAMETERS															LABORATORY NAME: General Engineering Laboratory		
PROJECT NUMBER: 01-0331-04-7779-210																			LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417		
PROJECT MANAGER: Jeff Longaker																			PHONE NO: (803) 556-8171		
Sampler (Signature)		(Printed Name)																	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		
Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC, RCRA-METALS	PEST/PCB	RADON ISOTOPES	TOTAL IRON	RCRA METALS (Filtered)	SULFATE	TOC	RCRA METALS (total)								No. of Bottles/ Vials	
D12411	12/15/97	1300	water	X	X	X	X	X	X	X	X	X								6	
D12D11	12/15/97	1050		X	X	X	X	X	X	X	X	X								6	
D12E11	12/15/97	1010		X																1	
TBA D31	12/15/97	745	✓	X																1	
F-207																					
RELINQUISHED BY: Laura Sundry		Date/Time 12/17/97		RECEIVED BY: 		Date/Time 12.17.97		TOTAL NUMBER OF CONTAINERS: 14										Cooler Temperature: 4°C			
COMPANY NAME: SAIC		1330		COMPANY NAME: 		1330		Cooler ID: #130										FEDEX NUMBER:			
RECEIVED BY:		Date/Time		RELINQUISHED BY:		Date/Time															
COMPANY NAME:				COMPANY NAME:																	
RELINQUISHED BY:		Date/Time		RECEIVED BY:		Date/Time															
COMPANY NAME:				COMPANY NAME:																	

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APPENDIX G

**PHASE II RCRA RFI REPORT
SOUTH CENTRAL LANDFILL (SWMU 1)
FORT STEWART, GEORGIA**

BACKGROUND DATA SUMMARY

APPENDIX G

G.1 BACKGROUND DATA ANALYSIS

The reference background criteria for the South Central Landfill have been developed, based on data from background samples collected, across the FSMR for SWMUs under Phase II RFI. In general, reference background samples were collected in each medium at locations upgradient or upstream of each site so as to be representative of naturally occurring conditions at SWMUs under investigation. In addition, soil collected during the Phase I [i.e., Burn Pits (SWMUs 4A-4F), Active EOD Area (SWMU 12A), etc.] was included in the background data set if it was determined to be upgradient of the site and of sufficient quality to be representative of natural background conditions at the FSMR. A summary of the sample locations by media at each SWMU and the source of the data (Phase I or II RFI) is presented in Table G-1).

EPA Region IV methodology (EPA 1996b) was used as guidance for the development of the background data set for screening metals data. In cases where enough samples (e.g., more than 20) are collected to define background, a background upper tolerance level can be calculated. In cases where fewer samples (e.g., less than 20) are collected to define background, background can be calculated as two times the mean background concentration (EPA 1996b). Given that fewer than 20 background samples were collected for the FSMR, the latter method was used for calculating reference background concentrations.

Tables G-2 through G-5, Appendix G, presents the summary of background data and presents the two-times-mean background concentrations for surface soil, subsurface soil, groundwater, and surface water, respectively. If a chemical was not detected at a site then 1/2 the detection limit was used as the concentration used in calculating the mean background concentration. Given the limited background data, the mean concentration for soils in the eastern United States is also presented for comparative purposes. Because of the limited number of background samples, the screening value for background may be heavily skewed as a result of an outlier in the sampling data. A statistical analysis of the surface soil, subsurface soil and groundwater data is presented in Tables G-6, G-7, and G-8, respectively. Since the surface water and sediment background is based on one site-specific sample, no statistical analysis was performed.

Table G-1. Background Media Summary

SWMU Number	SWMU Name on Hazardous Waste Permit HW-045	Station				
		Surface Soil	Subsurface Soil	Groundwater	Surface Water	Sediment
1	South Central Landfill	SC-M17	SC-M17	MW10	SW/SED1	SW/SED1
2	Camp Oliver Landfill	MW5	MW5	MW5	NA	NA
3	TAC-X Landfill	MW5	MW5	MW5	NA	NA
4A	Burn Pit A		MW1 (Phase I)	MW1	NA	NA
4B	Burn Pit B		MW3 (Phase I)	MW3	NA	NA
4C	Burn Pit C	MW7	MW7	MW7	NA	NA
4D	Burn Pit D		MW2 (Phase I)	MW2	NA	NA
4E	Burn Pit E		MW3 (Phase I)	MW3	NA	NA
4F	Burn Pit F		MW1 (Phase I)	MW1	NA	NA
10	Inactive EOD Area				NA	NA
12A	Active EOD containing Open Detonation Unit and Open Burn Pit	MW1 (Phase I)	MW1 (Phase I)	MW1	NA	NA
14	Old Fire Training Area			MW8	NA	NA
17	DRMO Hazardous Waste Storage Area	MW1	MW1	MW1	NA	NA
18	Industrial Wastewater Treatment Plant	MW1	MW1	MW1	NA	NA
26	Former 724th Tanker Purging Station	MW1	MW1	MW1	NA	NA
29	Evans Army Heliport POL Storage Facility	MW5	MW5	MW5	NA	NA
31	DEH Asphalt Tanks	MW1	MW1	MW1	NA	NA
32	Supply Diesel Tank	MW1	MW1	MW1	NA	NA
34	DEH Equipment Wash Rack	MW1	MW1	MW1	NA	NA
35	Wright Army Airfield Bulk Fuel System	HA-05 (Phase I)	HA-05 (Phase I)	MW9 (Phase I)	NA	NA

NA = Not applicable, surface water and sediment background are site-specific.

Table G-2. Surface Soil Background

Location			SWMU 2	SWMU 3	SWMU 17	SWMU 18	SWMU 29	SWMU 31	SWMU 32
Station			02-MW5	03-MW5	17-MW1	18-MW1	29-MW5	31-MW1	32-MW1
Sample ID			021511	031511	171111	181111	291511	311111	321111
Date	Mean	2 × Mean	01/14/98	01/16/98	01/30/98	02/01/98	01/29/98	01/28/98	01/30/98
Depth (feet)	Background	Background	0 to 2	0 to 2	1 to 2	0 to 1	0 to 1	0 to 1	0 to 1
<i>Volatile Organic Compounds (mg/kg)</i>									
1,1-Dichloroethene	0.00	0.00	<0.0057	<0.0059	0.00037	<0.006	<0.006	<0.0055	0.0003
2-Butanone	0.01	0.01	<0.0114	<0.0118			0.0016	<0.011	
2-Hexanone	0.01	0.01	<0.0114	<0.0118	<0.0103	<0.0119	0.0011	<0.011	<0.011
4-Methyl-2-pentanone	0.01	0.01	<0.0114	<0.0118	<0.0103	<0.0119	0.0011	<0.011	<0.011
Acetone	0.01	0.01	<0.0114	<0.0118			0.0053	<0.0325	
Benzene	0.00	0.01	<0.0057	<0.0059	<0.0052	<0.006	<0.006	<0.0055	<0.0055
Bromomethane	0.01	0.01	<0.0114	<0.0118	<0.0103	<0.0119	0.0018	<0.011	<0.011
Carbon Disulfide	0.00	0.01	<0.0057	<0.0059	<0.0052	<0.006	0.0016	<0.0055	<0.0055
Ethylbenzene	0.00	0.01	<0.0057	<0.0059	0.00044	<0.006	<0.006	<0.0055	<0.0055
Toluene	0.01	0.01	<0.0057	0.00043	0.0266	<0.006	0.0114	0.004	0.0067
Trichloroethene	0.00	0.01	<0.0057	<0.0059	0.00035	<0.006	<0.006	<0.0055	<0.0055
<i>Pesticides (mg/kg)</i>									
4,4'-DDE	0.00	0.00	0.0011	<0.0015					
4,4'-DDT	0.00	0.00	0.0024	<0.0015					
Methoxychlor	0.00	0.01	0.0029	<0.0077					
<i>Metals (mg/kg)</i>									
Arsenic	1.05	2.10	2.2	<0.35	<0.33	<0.38	0.45	5.1	0.62
Barium	7.37	14.70	21.9	7.1	2.3	0.77	3.7	7	8.4
Cadmium	0.09	0.18	<0.05	<0.04	<0.04	<0.05	0.05	0.1	0.33
Chromium	3.10	6.21	12.1	2.5	0.98	0.21	1	1.5	3.1
Lead	4.41	8.81	6.8	1.6	0.91	0.48	11	2.6	7.4
Mercury	0.02	0.03	0.04	<0.02	<0.02	<0.01	0.02	<0.02	0.03
Selenium	0.20	0.41	<0.16	<0.15	<0.14	<0.16		<0.16	
Silver	0.08	0.15	<0.07	<0.07	<0.06		<0.07	<0.06	<0.07
<i>Radionuclides (pCi/g)</i>									
Radium-226	0.43	0.86							
Radium-228	0.85	1.70							

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Table G-2. Surface Soil Background (continued)

Location			SWMU 34	SWMU 35	Burn Pit C	Former 724	SWMU 12A	SWMU 1	USGS
Station			34-MW1	HA-05	MW-7	MW1	SB01-MW-1	SC-M17	Eastern
Sample ID			341111	WAHA-0501	4C1711	261111	SBSL1	011711	U.S.
Date	Mean	2 × Mean	01/30/98	03/20/96	07/11/97	07/23/97	9/24/96	11/16/97	Reference
Depth (feet)	Background	Background	0 to 1	0 to 2	0 to 1	0 to 2	0 to 2	0 to 1	Value
<i>Volatile Organic Compounds (mg/kg)</i>									
1,1-Dichloroethene	0.00	0.00	<0.0054			<0.0023		<0.0114	
2-Butanone	0.01	0.01				<0.0057		<0.0227	
2-Hexanone	0.01	0.01	<0.0109			<0.0057		<0.0227	
4-Methyl-2-pentanone	0.01	0.01	<0.0109			<0.0057		<0.0227	
Acetone	0.01	0.01	0.0036			<0.0057		<0.0227	
Benzene	0.00	0.01	0.00042	<0.0055		<0.0023		<0.0114	
Bromomethane	0.01	0.01	<0.0109			<0.0023		<0.0227	
Carbon Disulfide	0.00	0.01	<0.0054			<0.0057		<0.0114	
Ethylbenzene	0.00	0.01	<0.0054	<0.0055		<0.0023		<0.0114	
Toluene	0.01	0.01	0.0024	<0.0055		<0.0023		<0.0114	
Trichloroethene	0.00	0.01	<0.0054			<0.0023		<0.0114	
<i>Pesticides (mg/kg)</i>									
4,4'-DDE	0.00	0.00						<0.0015	
4,4'-DDT	0.00	0.00						<0.0015	
Methoxychlor	0.00	0.01						<0.0074	
<i>Metals (mg/kg)</i>									
Arsenic	1.05	2.10	0.43	1.2	<0.32	<0.17		1.8	7.4
Barium	7.37	14.70	9.8	12	5.2	0.94		9.3	420
Cadmium	0.09	0.18	0.12	<0.5	<0.11	<0.06		<0.05	2
Chromium	3.10	6.21	2.2	3.5	0.67	<0.38	3	9.4	52
Lead	4.41	8.81	7.5	7.5	3.1	1.3	3.8	3.3	17
Mercury	0.02	0.03	0.04	<0.03	<0.02	<0.01		0.01	0.12
Selenium	0.20	0.41		<1	<0.21	0.63		<0.41	0.45
Silver	0.08	0.15	<0.07	<1	<0.04	<0.02		0.06	2.8
<i>Radionuclides (pCi/g)</i>									
Radium-226	0.43	0.86						0.428	
Radium-228	0.85	1.70						0.851	

Table G-3. Subsurface Soil Background

Location	Mean Bkgrd	2 × Mean Bkgrd	USGS Eastern U.S. Reference Values	SWMU 2	SWMU 3	SWMU 17	SWMU 18	SWMU 29	SWMU 31	SWMU 32
Station				02-MW5	03-MW5	17-MW1	18-MW1	29-MW5	31-MW1	32-MW1
Sample ID				021512	031512	171112	181112	291512	311112	321112
Date				01/14/98	01/16/98	01/30/98	02/01/98	01/29/98	01/28/98	01/30/98
Depth (feet)				13 to 15	3 to 5	8 to 9	3 to 3	3 to 4	5 to 6	3 to 4
Volatile Organic Compounds (mg/kg)										
2-Butanone	0.01	0.01		<0.0116	<0.0118			0.0012	<0.0115	
2-Hexanone	0.01	0.01		<0.0116	<0.0118	<0.0128	<0.0119	0.0011	<0.0115	<0.011
4-Methyl-2-pentanone	0.01	0.01		<0.0116	<0.0118	<0.0128	<0.0119	0.0011	<0.0115	<0.011
Acetone	0.02	0.05		<0.015	<0.0118	0.0495		0.005	<0.0598	0.0062
Bromomethane	0.01	0.01		<0.0116	<0.0118	<0.0128	<0.0119	0.002	<0.0115	<0.011
Carbon Disulfide	0.00	0.01		<0.0058	<0.0059	<0.0064	<0.006	0.0018	<0.0057	<0.0055
Methylene Chloride	0.00	0.01		<0.0058	<0.0059	<0.0064	<0.006	<0.006	<0.0069	<0.0055
Tetrachloroethene	0.00	0.01		<0.0058	<0.0059	<0.0064	<0.006	<0.006	<0.0057	<0.0055
Toluene	0.00	0.01		<0.0058	<0.0059	<0.0064	<0.006	0.00048	0.0012	<0.0055
Xylenes, Total	0.00	0.01		<0.0058	<0.0059	<0.0064	<0.006	<0.006	<0.0057	<0.0055
Semivolatile Organic Compounds (mg/kg)										
1,2,4-Trichlorobenzene	0.24	0.48		<0.388	<0.391	<0.427	<0.397	<1.59	<0.383	<0.366
Bis(2-ethylhexyl)phthalate	0.32	0.64		<0.388	<0.391	<0.427	<0.397	<1.59	<0.383	<0.366
Di-n-butyl Phthalate	0.26	0.52		<0.388	<0.391	<0.427	<0.397	<1.59	<0.383	<0.366
Fluoranthene	7.14	14.30		<0.388	<0.391	<0.427	<0.397	<1.59	<0.383	<0.366
Pyrene	7.31	14.60		<0.388	<0.391	<0.427	<0.397	<1.59	<0.383	<0.366
Pesticide (mg/kg)										
Alpha-BHC	0.00	0.00		0.00093	<0.00078					
Metals (mg/kg)										
Arsenic	4.02	8.04	7.4	1.3	2.8	0.78	1.6	0.44	1.5	<0.36
Barium	8.49	17.00	420	1.8	4.5	9.2	6.1	3.7	3.1	3.1
Cadmium	0.12	0.24	2	<0.05	<0.04	<0.05	<0.05	<0.05	<0.04	<0.04
Chromium	5.81	11.60	52	6.4	4.1	16.2	5.4	1.6	0.76	1.5
Lead	5.56	11.10	17	2.2	1.1	10.4	4.5	1.8	1.3	1.1
Mercury	0.02	0.05	0.12	<0.02	<0.02	0.03	<0.02	0.04	<0.02	0.04
Selenium	0.56	1.12	0.45	<0.16	<0.16	<0.18	<0.79		<0.2	
Silver	0.23	0.46	2.8	<0.07	<0.07	<0.08		<0.07	<0.07	<0.07
Radionuclides (pCi/g)										
Radium-226	0.55	1.09								
Radium-228	0.45	0.89								
Other Analytes (mg/kg)										
Total Organic Carbon	1100.00	2200.00								

Table G-3. Subsurface Soil Background (continued)

Location	Mean Bkgrd	2 × Mean Bkgrd	USGS Eastern U.S. Reference Values	SWMU 34	SWMU 35	Burn Pit C	Former 724	Burn Pit A	Burn Pit F
Station				34-MW1	HA-05	MW-7	MW1	MW1	MW1
Sample ID				341112	WAHA-0502	4C1712	261112	FST004A-SL	FST004F-SL
Date				01/30/98	03/20/96	07/11/97	07/23/97	06/25/93	06/29/93
Depth (feet)				5 to 8	5 to 7	3 to 5	2 to 3	4 to 6	6 to 8
Volatile Organic Compounds (mg/kg)									
2-Butanone	0.01	0.01				<0.0054	<0.0058		
2-Hexanone	0.01	0.01		<0.0115		<0.0054	<0.0058		
4-Methyl-2-pentanone	0.01	0.01		<0.0115		<0.0054	<0.0058		
Acetone	0.02	0.05		<0.0115		<0.0054	0.0108	<0.057	<0.057
Bromomethane	0.01	0.01		<0.0115		<0.0022	<0.0023		
Carbon Disulfide	0.00	0.01		<0.0057		<0.0054	<0.0058	<0.0057	<0.0057
Methylene Chloride	0.00	0.01		<0.0057		<0.0022	<0.006	<0.0057	0.006
Tetrachloroethene	0.00	0.01		<0.0057		<0.0022	<0.0023	0.0061	<0.0057
Toluene	0.00	0.01		<0.0057	<0.0056	<0.0022	0.0026	0.0081	<0.0057
Xylenes, Total	0.00	0.01		<0.0057	<0.0056	<0.0022	<0.0023	0.0061	<0.0057
Semivolatile Organic Compounds (mg/kg)									
1,2,4-Trichlorobenzene	0.24	0.48		<0.383					
Bis(2-ethylhexyl)phthalate	0.32	0.64		0.712					
Di-n-butyl Phthalate	0.26	0.52		0.193					
Fluoranthene	7.14	14.30		<0.383	<0.37		<0.376		
Pyrene	7.31	14.60		<0.383	<0.37		<0.376		
Pesticide (mg/kg)									
Alpha-BHC	0.00	0.00							
Metals (mg/kg)									
Arsenic	4.02	8.04	7.4	<0.37	56	<0.3	0.56	<1.1	<1.1
Barium	8.49	17.00	420	5.2	30	1.1	6.4	5.7	6.2
Cadmium	0.12	0.24	2	<0.05	<0.5	<0.1	<0.06	<0.57	<0.57
Chromium	5.81	11.60	52	2.8	19	1.2	4.3	9	5.1
Lead	5.56	11.10	17	2.1	23	1.6	4.7	9.4	16
Mercury	0.02	0.05	0.12	0.05	<0.03	0.03	<0.01	0.059	<0.011
Selenium	0.56	1.12	0.45		<1	<0.2	0.67	<5.7	<1.1
Silver	0.23	0.46	2.8	<0.07	<1	<0.07	<0.06	<1.1	<1.1
Radionuclides (pCi/g)									
Radium-226	0.55	1.09							
Radium-228	0.45	0.89							
Other Analytes (mg/kg)									
Total Organic Carbon	1100.00	2200.00					1100		

Table G-3. Subsurface Background (continued)

Location	Mean Bkgrd	2 × Mean Bkgrd	USGS Eastern U.S. Reference Values	Burn Pit D	Burn Pit B	Burn Pit E	SWMU 12A	SWMU 12A	SWMU 1
Station				MW2	MW3	MW3	SB01-MW-1	SB01-MW-1	SC-M17
Sample ID				FST004D-SL	FST004B-SL	FST004E-SL	SB1SL2	SB1SL3	011712
Date				06/24/93	06/28/93	06/30/93	9/24/96	9/24/96	11/16/97
Depth (feet)				4 to 6	6 to 8	6 to 8	2 to 4	4 to 6	5 to 8
Volatile Organic Compounds (mg/kg)									
2-Butanone	0.01	0.01							<0.0222
2-Hexanone	0.01	0.01							<0.0222
4-Methyl-2-pentanone	0.01	0.01							<0.0222
Acetone	0.02	0.05		0.11	<0.057	<0.058			0.0254
Bromomethane	0.01	0.01							<0.0222
Carbon Disulfide	0.00	0.01		<0.0056	<0.0057	<0.0058			<0.0111
Methylene Chloride	0.00	0.01		<0.0056	<0.0057	<0.0058			<0.0111
Tetrachloroethene	0.00	0.01		<0.0056	<0.0057	<0.0058			<0.0111
Toluene	0.00	0.01		0.021	<0.0057	<0.0058			<0.0111
Xylenes, Total	0.00	0.01		0.022	<0.0057	<0.0058			<0.0111
Semivolatile Organic Compounds (mg/kg)									
1,2,4-Trichlorobenzene	0.24	0.48							0.0022
Bis(2-ethylhexyl)phthalate	0.32	0.64							<0.363
Di-n-butyl Phthalate	0.26	0.52							<0.363
Fluoranthene	7.14	14.30					83		<0.363
Pyrene	7.31	14.60					85		<0.363
Pesticide (mg/kg)									
Alpha-BHC	0.00	0.00							<0.00073
Metals (mg/kg)									
Arsenic	4.02	8.04	7.4	<1.1	<1.1	<1.2			<0.13
Barium	8.49	17.00	420	5.9	3.7	8.5	20	30	7.1
Cadmium	0.12	0.24	2	<0.56	<0.57	<0.58			<0.04
Chromium	5.81	11.60	52	3.3	4.5	9.5	4	9	2.8
Lead	5.56	11.10	17	3.7	2.7	5.2	4.1	7.5	3.2
Mercury	0.02	0.05	0.12	0.016	<0.011	0.062			0.01
Selenium	0.56	1.12	0.45	<1.1	<1.1	<2.3			<0.29
Silver	0.23	0.46	2.8	<1.1	<1.1	<1.2			<0.02
Radionuclides (pCi/g)									
Radium-226	0.55	1.09							0.547
Radium-228	0.45	0.89							0.445
Other Analytes (mg/kg)									
Total Organic Carbon	1100.00	2200.00							

Table G-4. Groundwater Background

Location	Mean Bkgrd	2 × Mean Bkgrd	SWMU 2	SWMU 3	SWMU 12A	SWMU 14	SWMU 17	SWMU 18
Station			02-MW5	03-MW5	12A-MW10	14-MW8	17-MW1	18-MW1
Sample ID			024511	034511	124111	144811	174111	184111
Date			35841	35842	35851	35840	35844	35851
Volatile Organic Compounds (µg/L)								
1,1,1-Trichloroethane	1.75	3.50	<5	0.23		<5	<5	<5
1,1-Dichloroethane	1.77	3.53	<5	<5		<5	<5	<5
1,3-trans-Dichloropropene	1.75	3.50	<5	<5		<5	<5	0.24
Acetone	3.61	7.21	<10	3.6		<10	<10	5.2
Chloromethane	3.71	7.42	<10	<10		<10	<10	<10
Ethylbenzene	1.49	2.97	<5	<5		<5	<5	0.23
Methylene Chloride	2.04	4.07	<5	<5		<5	<5	<5
Toluene	0.97	1.94	<2	0.26		<2	<2	0.35
Trichloroethene	1.75	3.50	<5	<5		<5	<5	0.29
Xylenes, Total	1.55	3.10	<5	<5		<5	<5	0.42
Metals (µg/L)								
Aluminum	1200.00	2400.00			1200			
Arsenic	1.51	3.02	<3	<3	<3	<3	<3	<3
Barium	35.86	71.72	3.8	18.8	35.5	41.8	27.5	32.1
Cadmium	0.21	0.43		<0.21	<0.21		<0.21	0.32
Calcium	1630.00	3260.00			1630			
Chromium	1.78	3.56	<0.42	0.85	2.6	0.53	0.52	1.9
Copper	2.00	4.00			2			
Iron	2189.00	4378.00			598			
Lead	2.35	4.69	25.5	<0.96	<0.96	<0.96	<0.96	<0.96
Magnesium	814.00	1628.00			814			
Manganese	17.30	34.60			17.3			
Mercury	0.07	0.14	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	1.90	3.80			1.9			
Potassium	643.00	1286.00			643			

Table G-4. Groundwater Background (continued)

Location	Mean Bkgrd	2 × Mean Bkgrd	SWMU 2	SWMU 3	SWMU 12A	SWMU 14	SWMU 17	SWMU 18
Station			02-MW5	03-MW5	12A-MW10	14-MW8	17-MW1	18-MW1
Sample ID			024511	034511	124111	144811	174111	184111
Date			35841	35842	35851	35840	35844	35851
Selenium	0.95	1.90	<2.5	<2.5	<2.5	<3.3	<2.5	<2.5
Silver	0.56	1.12	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86
Sodium	3520.00	7040.00			3520			
Vanadium	2.00	4.00			2			
<i>Radionuclides (µg/L)</i>								
Radium-226 (pCi/L)	0.58	1.16						
Radium-228 (pCi/L)	1.71	3.42						
<i>Anions (µg/L)</i>								
Alkalinity	45100.00	90200.00						
Sulfate	13358.75	26717.50			1100		4200	38900
<i>Other Analytes (µg/L)</i>								
Methane	53.70	107.40						
Total Organic Carbon	3160.00	6320.00			3160			

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Table G-4. Groundwater Background (continued)

Location	Mean Bkgrd	2 × Mean Bkgrd	SWMU 29	SWMU 31	SWMU 32	SWMU 34	Burn Pit A	Burn Pit F
Station			29-MW5	31-MW1	32-MW1	34-MW1	MW-1	MW-1
Sample ID			294511	314111	324111	344111	4A4111	4F4111
Date			35852	35850	35844	35844	08/08/97	07/30/97
Volatile Organic Compounds (µg/L)								
1,1,1-Trichloroethane	1.75	3.50	<5	<5	<5	<5	<2	<2
1,1-Dichloroethane	1.77	3.53	<5	<5	0.53	<5	<2	<2
1,3-trans-Dichloropropene	1.75	3.50	<5	<5	<5	<5	<2	<2
Acetone	3.61	7.21	<10	1.7		<10	<5	<5
Chloromethane	3.71	7.42	<10	<10	<10	<10	<2	<2
Ethylbenzene	1.49	2.97	0.21	0.34	<5	<5	<2	<2
Methylene Chloride	2.04	4.07	<5	<5	<5	<5	<2	<2
Toluene	0.97	1.94	<5	0.35	<2	<2	<2	<2
Trichloroethene	1.75	3.50	<5	<5	<5	<5	<2	<2
Xylenes, Total	1.55	3.10	0.69	0.71	<5	<5	<2	<2
Metals (µg/L)								
Aluminum	1200.00	2400.00						
Arsenic	1.51	3.02	<3	<3	<3	<3	<0.6	<0.6
Barium	35.86	71.72	177	57.4	7.8	15	18.5	22.8
Cadmium	0.21	0.43	<0.21	<0.21	<0.21	<0.21	0.34	1.1
Calcium	1630.00	3260.00						
Chromium	1.78	3.56	2.2	1.1	<0.42	1.1	2.4	<0.6
Copper	2.00	4.00						
Iron	2189.00	4378.00						
Lead	2.35	4.69	<0.96	<0.96	1.6	<0.96	1.1	0.08
Magnesium	814.00	1628.00						
Manganese	17.30	34.60						
Mercury	0.07	0.14	<0.1	<0.1	<0.1	<0.1	<0.06	<0.04
Nickel	1.90	3.80						
Potassium	643.00	1286.00						
Selenium	0.95	1.90	<2.5	<2.5	<2.5	2.5	<0.4	<0.4
Silver	0.56	1.12	<0.86	<0.86	<0.86	<0.86	0.14	<0.07

Table G-4. Groundwater Background (continued)

Location	Mean Bkgrd	2 × Mean Bkgrd	SWMU 29	SWMU 31	SWMU 32	SWMU 34	Burn Pit A	Burn Pit F
Station			29-MW5	31-MW1	32-MW1	34-MW1	MW-1	MW-1
Sample ID			294511	314111	324111	344111	4A4111	4F4111
Date			35852	35850	35844	35844	08/08/97	07/30/97
Sodium	3520.00	7040.00						
Vanadium	2.00	4.00						
<i>Radionuclides (µg/L)</i>								
Radium-226 (pCi/L)	0.58	1.16						
Radium-228 (pCi/L)	1.71	3.42						
<i>Anions (µg/L)</i>								
Alkalinity	45100.00	90200.00						
Sulfate	13358.75	26717.50		32900	10600	14100		
<i>Other Analytes (µg/L)</i>								
Methane	53.70	107.40						
Total Organic Carbon	3160.00	6320.00						

Table G-4. Groundwater Background (continued)

Location	Mean Bkgrd	2 × Mean Bkgrd	Burn Pit D	Burn Pit B	Burn Pit E	Burn Pit C	Former 724	SWMU 1
Station			MW-2	MW-3	MW-3	MW-7	MW1	SC-M10
Sample ID			4D4211	4B4311	4E4311	4C4711	264111	012T11
Date			07/29/97	08/09/97	07/29/97	08/07/97	08/13/97	12/11/97
Volatile Organic Compounds (µg/L)								
1,1,1-Trichloroethane	1.75	3.50	<2	<2	<2	<2	<2	<5
1,1-Dichloroethane	1.77	3.53	<2	<2	<2	<2	<2	<5
1,3-trans-Dichloropropene	1.75	3.50	<2	<2	<2	<2	<2	<5
Acetone	3.61	7.21	<5	<5	<5	<5		
Chloromethane	3.71	7.42	<2	<2	<2	<2	7.1	<10
Ethylbenzene	1.49	2.97	<2	<2	<2	<2	<2	<5
Methylene Chloride	2.04	4.07	<2	<5	<2	<5	2.1	<2
Toluene	0.97	1.94	<2	<2	<2	<2	<2	<2
Trichloroethene	1.75	3.50	<2	<2	<2	<2	<2	<5
Xylenes, Total	1.55	3.10	<2	<2	<2	<2	<2	<5
Metals (µg/L)								
Aluminum	1200.00	2400.00						
Arsenic	1.51	3.02	<0.6	<0.6	<0.6	<0.6	10.1	<0.6
Barium	35.86	71.72	58	<14.6	6.9	26.6	50.7	38
Cadmium	0.21	0.43	0.43	<0.2	<0.2	<0.2	<0.2	<0.2
Calcium	1630.00	3260.00						
Chromium	1.78	3.56	<0.6	3.7	1.5	<0.6	<10	7.3
Copper	2.00	4.00						
Iron	2189.00	4378.00						3780
Lead	2.35	4.69	0.2	2.2	<1	<0.06	3.3	3.9
Magnesium	814.00	1628.00						
Manganese	17.30	34.60						
Mercury	0.07	0.14	<0.04	<0.05	<0.04	0.28	0.2	<0.03
Nickel	1.90	3.80						
Potassium	643.00	1286.00						
Selenium	0.95	1.90	<0.82	<0.4	<0.4	<0.4	0.62	
Silver	0.56	1.12	0.37	0.14	<0.07	0.08	4.9	<0.07

Table G-4. Groundwater Background (continued)

Location	Mean Bkgrd	2 × Mean Bkgrd	Burn Pit D	Burn Pit B	Burn Pit E	Burn Pit C	Former 724	SWMU 1
Station			MW-2	MW-3	MW-3	MW-7	MW1	SC-M10
Sample ID			4D4211	4B4311	4E4311	4C4711	264111	012T11
Date			07/29/97	08/09/97	07/29/97	08/07/97	08/13/97	12/11/97
Sodium	3520.00	7040.00						
Vanadium	2.00	4.00						
<i>Radionuclides (µg/L)</i>								
Radium-226 (pCi/L)	0.58	1.16						0.581
Radium-228 (pCi/L)	1.71	3.42						1.71
<i>Anions (µg/L)</i>								
Alkalinity	45100.00	90200.00					45100	
Sulfate	13358.75	26717.50					3070	2000
<i>Other Analytes (µg/L)</i>								
Methane	53.70	107.40					53.7	
Total Organic Carbon	3160.00	6320.00						

Table G-5. Analytes Detected in Surface Water and Sediment Background Samples

Station Sample ID Date Type Lab ID Analyte	Units	Background Criteria	2 × Background Criteria	SWMU 1 SCL SW/SED1 013111 11/15/97 Grab 9711457-14	SWMU 1 SCL SW/SED1 015111 11/15/97 Grab 9711455-02	SWMU 1 SCL SW/SED1 015121 11/15/97 Field Dup 9711547-14
<i>Surface Water</i>						
Barium	µg/L	30.4	60.8	30.4		
Cadmium	µg/L	0.305	0.61	0.31		
Lead	µg/L	1.7	3.4	1.7		
Mercury	µg/L	0.015	0.03	<0.03		
Silver	µg/L	0.035	0.07	<0.07		
Di-n-butyl Phthalate	µg/L	0.00	0.00	0.69		
<i>Sediment</i>						
Arsenic	mg/kg	0.2	0.4		0.2	
Barium	mg/kg	5.7	11.4		5.7	
Cadmium	mg/kg	0.06	0.12		0.06	
Chromium	mg/kg	1.2	2.4		1.2	
Lead	mg/kg	1.6	3.2		1.6	
Radium 226	pCi/g	0.507	1.014		0.507	0.510
Radium 228	pCi/g	0.377	0.754		0.377	<0.229
Acetone	µg/kg	0.00	0.00		218	297

SCL = South Central Landfill

Table G-6. Statistical Analysis of Surface Soil Background Data

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
<i>Metals (mg/kg)</i>									
Arsenic	7.4	7/12	58.33	1.05	139	0.43	5.10	L	2.1
Barium	420	12/12	100.00	7.37	79	0.77	21.90	L	14.7
Cadmium	2	4/12	33.33	0.0875	116	0.05	0.33	D	0.175
Chromium	52	12/13	92.31	3.1	116	0.21	12.10	L	6.21
Lead	17	13/13	100.00	4.41	74.4	0.48	11.00	L	8.81
Mercury	0.12	5/12	41.67	0.0171	74.3	0.01	0.04	D	0.0342
Selenium	0.45	1/9	11.11	0.203	105	0.63	0.63	D	0.406
Silver	2.8	1/11	9.09	0.075	189	0.06	0.06	D	0.15
<i>Pesticides/PCBs (mg/kg)</i>									
4,4'-DDD		0/3	0.00	0.00075	0			O	0.0015
4,4'-DDE		1/3	33.33	0.000867	23.3	0.00	0.00	D	0.00173
4,4'-DDT		1/3	33.33	0.0013	73.3	0.00	0.00	D	0.0026
Aldrin		0/3	0.00	0.000375	2.31			O	0.00075
alpha-Chlordane		0/3	0.00	0.000375	2.31			O	0.00075
alpha-BHC		0/3	0.00	0.000375	2.31			O	0.00075
Aroclor-1016		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1221		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1232		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1242		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1248		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1254		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1260		0/3	0.00	0.00187	1.55			O	0.00373
beta-BHC		0/3	0.00	0.000375	2.31			O	0.00075
delta-BHC		0/3	0.00	0.000375	2.31			O	0.00075
Dieldrin		0/3	0.00	0.00075	0			O	0.0015
Endosulfan I		0/3	0.00	0.000375	2.31			O	0.00075
Endosulfan II		0/3	0.00	0.00075	0			O	0.0015
Endosulfan sulfate		0/3	0.00	0.00075	0			O	0.0015
Endrin		0/3	0.00	0.00075	0			O	0.0015
Endrin ketone		0/3	0.00	0.00075	0			O	0.0015

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Table G-6. Statistical Analysis of Surface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
gamma-Chlordane		0/3	0.00	0.000375	2.31			O	0.00075
gamma-BHC (Lindane)		0/3	0.00	0.000375	2.31			O	0.00075
Heptachlor		0/3	0.00	0.000375	2.31			O	0.00075
Heptachlor epoxide		0/3	0.00	0.000375	2.31			O	0.00075
Methoxychlor		1/3	33.33	0.00348	14.7	0.00	0.00	D	0.00697
Toxaphene		0/3	0.00	0.0188	1.93			O	0.0376
<i>Semivolatile Organic Compounds (mg/kg)</i>									
1,2,4-Trichlorobenzene		0/10	of Surface Soil	0.245	69.1			O	0.49
1,2-Dichlorobenzene		0/10	0.00	0.245	69.1			O	0.49
1,3-Dichlorobenzene		0/10	0.00	0.245	69.1			O	0.49
1,4-Dichlorobenzene		0/10	0.00	0.245	69.1			O	0.49
1-Methylnaphthalene		0/1	0.00	0.18				O	0.36
2,2'-Oxybis (1-chloropropane)		0/9	0.00	0.251	70.9			O	0.503
2,4,5-Trichlorophenol		0/10	0.00	0.554	82.7			O	1.11
2,4,6-Trichlorophenol		0/10	0.00	0.245	69.1			O	0.49
2,4-Dichlorophenol		0/10	0.00	0.245	69.1			O	0.49
2,4-Dimethylphenol		0/10	0.00	0.245	69.1			O	0.49
2,4-Dinitrophenol		0/10	0.00	0.593	72.7			O	1.19
2,4-Dinitrotoluene		0/10	0.00	0.245	69.1			O	0.49
2,6-Dinitrotoluene		0/10	0.00	0.245	69.1			O	0.49
2-Chloronaphthalene		0/11	0.00	0.24	67.5			O	0.479
2-Chlorophenol		0/10	0.00	0.245	69.1			O	0.49
2-Methylnaphthalene		0/11	0.00	0.239	67.7			O	0.478
2-Methylphenol		0/10	0.00	0.245	69.1			O	0.49
2-Nitroaniline		0/10	0.00	0.554	82.7			O	1.11
2-Nitrophenol		0/10	0.00	0.245	69.1			O	0.49
3,3'-Dichlorobenzidine		0/10	0.00	0.605	63.4			O	1.21
3-Nitroaniline		0/10	0.00	0.554	82.7			O	1.11
4,6-Dinitro-o-cresol		0/10	0.00	0.593	72.7			O	1.19
4-Bromophenyl-phenyl ether		0/10	0.00	0.245	69.1			O	0.49
4-Chloroaniline		0/10	0.00	0.245	69.1			O	0.49

Table G-6. Statistical Analysis of Surface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
4-Chlorophenyl-phenyl ether		0/10	0.00	0.245	69.1			O	0.49
4-Methylphenol		0/10	0.00	0.245	69.1			O	0.49
4-Nitroaniline		0/10	0.00	0.554	82.7			O	1.11
4-Nitrophenol		0/10	0.00	0.593	72.7			O	1.19
4-Chloro-3-methylphenol		0/10	0.00	0.245	69.1			O	0.49
Acenaphthene		0/12	0.00	0.235	66.1			O	0.469
Acenaphthylene		0/12	0.00	0.235	66.1			O	0.469
Anthracene		0/12	0.00	0.235	66.1			O	0.469
Benzo(a)anthracene		0/12	0.00	0.235	66.1			O	0.469
Benzo(a)pyrene		0/12	0.00	0.235	66.1			O	0.469
Benzo(b)fluoranthene		0/13	0.00	0.23	64.8			O	0.461
Benzo(g,h,i)perylene		0/12	0.00	0.235	66.1			O	0.469
Benzo(k)fluoranthene		0/12	0.00	0.235	66.1			O	0.469
Benzoic acid		0/1	0.00	0.373				O	0.746
Benzyl alcohol		0/1	0.00	0.187				O	0.373
Bis(2-chloroisopropyl)ether		0/1	0.00	0.187				O	0.373
Bis(2-chloroethoxy)methane		0/10	0.00	0.245	69.1			O	0.49
Bis(2-chloroethyl)ether		0/10	0.00	0.245	69.1			O	0.49
Bis(2-ethylhexyl)phthalate		0/10	0.00	0.245	69.1			O	0.49
Butyl benzyl phthalate		0/10	0.00	0.245	69.1			O	0.49
Carbazole		0/10	0.00	0.245	69.1			O	0.49
Chrysene		0/12	0.00	0.235	66.1			O	0.469
Di-N-butyl phthalate		0/10	0.00	0.245	69.1			O	0.49
Di-N-octyl phthalate		0/10	0.00	0.245	69.1			O	0.49
Dibenzo(a,h)anthracene		0/12	0.00	0.235	66.1			O	0.469
Dibenzofuran		0/10	0.00	0.245	69.1			O	0.49
Diethyl phthalate		0/10	0.00	0.245	69.1			O	0.49
Dimethyl phthalate		0/10	0.00	0.245	69.1			O	0.49
Fluoranthene		0/12	0.00	0.235	66.1			O	0.469
Fluorene		0/12	0.00	0.235	66.1			O	0.469
Hexachlorobenzene		0/10	0.00	0.245	69.1			O	0.49

Table G-6. Statistical Analysis of Surface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
Hexachlorobutadiene		0/10	0.00	0.245	69.1			O	0.49
Hexachlorocyclopentadiene		0/10	0.00	0.245	69.1			O	0.49
Hexachloroethane		0/10	0.00	0.245	69.1			O	0.49
Indeno(1,2,3-cd)pyrene		0/12	0.00	0.235	66.1			O	0.469
Isophorone		0/10	0.00	0.245	69.1			O	0.49
N-Nitroso-di-N-propylamine		0/10	0.00	0.245	69.1			O	0.49
N-Nitrosodiphenylamine		0/10	0.00	0.245	69.1			O	0.49
Naphthalene		0/12	0.00	0.235	66.1			O	0.469
Nitrobenzene		0/10	0.00	0.245	69.1			O	0.49
Pentachlorophenol		0/10	0.00	0.554	82.7			O	1.11
Phenanthrene		0/12	0.00	0.235	66.1			O	0.469
Phenol		0/10	0.00	0.245	69.1			O	0.49
Pyrene		0/12	0.00	0.235	66.1			O	0.469
<i>Volatile Organic Compounds (mg/kg)</i>									
1,1,1-Trichloroethane		0/10	0.00	0.00295	37.7			O	0.00589
1,1,2,2-Tetrachloroethane		0/10	0.00	0.00295	37.7			O	0.00589
1,1,2-Trichloroethane		0/10	0.00	0.00295	37.7			O	0.00589
1,1-Dichloroethane		0/10	0.00	0.00295	37.7			O	0.00589
1,1-Dichloroethene		2/10	20.00	0.00248	63.6	0.00	0.00	D	0.00495
1,2-Dichloroethane		0/10	0.00	0.00295	37.7			O	0.00589
1,2-Dichloroethene		0/8	0.00	0.00283	5.27			O	0.00565
1,2-Dichloropropane		0/10	0.00	0.00295	37.7			O	0.00589
1,2-cis-Dichloroethene		0/2	0.00	0.00343	93.9			O	0.00685
1,2-trans-Dichloroethene		0/2	0.00	0.00343	93.9			O	0.00685
1,3-cis-Dichloropropene		0/10	0.00	0.00295	37.7			O	0.00589
1,3-trans-Dichloropropene		0/10	0.00	0.00295	37.7			O	0.00589
2-Butanone		1/6	16.67	0.00548	61.4	0.00	0.00	D	0.011
2-Hexanone		1/10	10.00	0.00545	47.9	0.00	0.00	D	0.0109
4-Methyl-2-pentanone		1/10	10.00	0.00545	47.9	0.00	0.00	D	0.0109
Acetone		2/7	28.57	0.00728	66	0.00	0.01	D	0.0146
Benzene		1/11	9.09	0.00272	47.8	0.00	0.00	D	0.00544

Table G-6. Statistical Analysis of Surface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
Bromodichloromethane		0/10	0.00	0.00295	37.7			O	0.00589
Bromoform		0/10	0.00	0.00295	37.7			O	0.00589
Bromomethane		1/10	10.00	0.00535	51.1	0.00	0.00	D	0.0107
Carbon disulfide		1/10	10.00	0.00298	34.8	0.00	0.00	D	0.00595
Carbon tetrachloride		0/10	0.00	0.00295	37.7			O	0.00589
Chlorobenzene		0/10	0.00	0.00295	37.7			O	0.00589
Chloroethane		0/10	0.00	0.00576	42.2			O	0.0115
Chloroform		0/10	0.00	0.00295	37.7			O	0.00589
Chloromethane		0/10	0.00	0.00576	42.2			O	0.0115
Dibromochloromethane		0/10	0.00	0.00295	37.7			O	0.00589
Ethylbenzene		1/11	9.09	0.00273	47.4	0.00	0.00	D	0.00546
Methylene chloride		0/10	0.00	0.0037	45.8			O	0.00739
Styrene		0/10	0.00	0.00295	37.7			O	0.00589
Tetrachloroethene		0/10	0.00	0.00295	37.7			O	0.00589
Toluene		6/11	54.55	0.00609	122	0.00	0.03	L	0.0122
Trichloroethene		1/10	10.00	0.00272	50.8	0.00	0.00	D	0.00544
Vinyl chloride		0/10	0.00	0.00576	42.2			O	0.0115
Xylenes, total		0/11	0.00	0.00293	36			O	0.00585
<i>Radionuclides (pCi/g)</i>									
Radium-226		1/1	100.00	0.428		0.43	0.43	X	0.856
Radium-228		1/1	100.00	0.851		0.85	0.85	X	1.7

^a Results less than the detection limit were set to one-half the reported detection limit. For radionuclides, the reported result was used to calculate the mean.

Distribution codes:

D = Distribution not determined because fewer than 5 detects or less than 50 percent detects (t-distribution).

L = Distribution most similar to lognormal [land statistic used for upper confidence limit (UCL)].

N = Distribution most similar to normal (t-distribution used for UCL).

O = Analyte not detected in any sample.

X = Distribution significantly different from normal and lognormal (t-distribution used for UCL).

^b If a chemical was not detected, the reference background criterion was the mean of the detection limit. However, organic constituents were screened against zero because they are considered man-made.

Table G-7. Statistical Analysis of Subsurface Soil Background Data

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
<i>Metals (mg/kg)</i>									
Arsenic	7.40	8/17	47.06	4.02	334	0.44	56.00	D	8.04
Barium	420.00	19/19	100.00	8.49	101	1.10	30.00	L	17
Cadmium	2.00	0/17	0.00	0.115	109			O	0.231
Chromium	52.00	19/19	100.00	5.81	84.5	0.76	19.00	L	11.6
Lead	17.00	19/19	100.00	5.56	103	1.10	23.00	L	11.1
Mercury	0.12	9/17	52.94	0.024	81.4	0.01	0.06	L	0.048
Selenium	0.45	1/14	7.14	0.558	131	0.67	0.67	D	1.12
Silver	2.80	0/16	0.00	0.227	115			O	0.453
<i>Other Analytes</i>									
Total organic carbon		1/1	100.00	1100		1,100.00	1,100.00	X	2200
<i>Pesticides/PCBs (mg/kg)</i>									
4,4'-DDD		0/3	0.00	0.00075	6.67			O	0.0015
4,4'-DDE		0/3	0.00	0.00075	6.67			O	0.0015
4,4'-DDT		0/3	0.00	0.00075	6.67			O	0.0015
Aldrin		0/3	0.00	0.000378	3.33			O	0.000757
alpha-Chlordane		0/3	0.00	0.000378	3.33			O	0.000757
alpha-BHC		1/3	33.33	0.000562	56.8	0.00	0.00	D	0.00112
Aroclor-1016		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1221		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1232		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1242		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1248		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1254		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1260		0/3	0.00	0.00188	4.06			O	0.00377
beta-BHC		0/3	0.00	0.000378	3.33			O	0.000757
delta-BHC		0/3	0.00	0.000378	3.33			O	0.000757
Dieldrin		0/3	0.00	0.00075	6.67			O	0.0015
Endosulfan I		0/3	0.00	0.000378	3.33			O	0.000757
Endosulfan II		0/3	0.00	0.00075	6.67			O	0.0015
Endosulfan sulfate		0/3	0.00	0.00075	6.67			O	0.0015
Endrin		0/3	0.00	0.00075	6.67			O	0.0015

Table G-7. Statistical Analysis of Subsurface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
Endrin ketone		0/3	0.00	0.00075	6.67			O	0.0015
Gamma chlordane		0/3	0.00	0.000378	3.33			O	0.000757
gamma-BHC (Lindane)		0/3	0.00	0.000378	3.33			O	0.000757
Heptachlor		0/3	0.00	0.000378	3.33			O	0.000757
Heptachlor epoxide		0/3	0.00	0.000378	3.33			O	0.000757
Methoxychlor		0/3	0.00	0.00378	3.33			O	0.00757
Toxaphene		0/3	0.00	0.0189	3.58			O	0.0378
<i>Semivolatile Organic Compounds (mg/kg)</i>									
1,2,4-Trichlorobenzene		1/9	11.11	0.241	90.5	0.00	0.00	D	0.481
1,2-Dichlorobenzene		0/9	0.00	0.26	77.1			O	0.521
1,3-Dichlorobenzene		0/9	0.00	0.26	77.1			O	0.521
1,4-Dichlorobenzene		0/9	0.00	0.26	77.1			O	0.521
1-Methylnaphthalene		0/1	0.00	0.185				O	0.37
2,2'-Oxybis (1-chloropropane)		0/9	0.00	0.26	77.1			O	0.521
2,4,5-Trichlorophenol		0/9	0.00	0.618	84.4			O	1.24
2,4,6-Trichlorophenol		0/9	0.00	0.26	77.1			O	0.521
2,4-Dichlorophenol		0/9	0.00	0.26	77.1			O	0.521
2,4-Dimethylphenol		0/9	0.00	0.26	77.1			O	0.521
2,4-Dinitrophenol		0/9	0.00	0.64	79			O	1.28
2,4-Dinitrotoluene		0/9	0.00	0.26	77.1			O	0.521
2,6-Dinitrotoluene		0/9	0.00	0.26	77.1			O	0.521
2-Chloronaphthalene		0/10	0.00	0.253	75.3			O	0.506
2-Chlorophenol		0/9	0.00	0.26	77.1			O	0.521
2-Methylnaphthalene		0/10	0.00	0.253	75.4			O	0.506
2-Methylphenol		0/9	0.00	0.26	77.1			O	0.521
2-Nitroaniline		0/9	0.00	0.618	84.4			O	1.24
2-Nitrophenol		0/9	0.00	0.26	77.1			O	0.521
3,3'-Dichlorobenzidine		0/9	0.00	0.586	72.5			O	1.17
3-Nitroaniline		0/9	0.00	0.618	84.4			O	1.24
4,6-Dinitro-o-cresol		0/9	0.00	0.64	79			O	1.28
4-Bromophenyl-phenyl ether		0/9	0.00	0.26	77.1			O	0.521

Table G-7. Statistical Analysis of Subsurface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
4-Chloroaniline		0/9	0.00	0.26	77.1			O	0.521
4-Chlorophenyl-phenyl ether		0/9	0.00	0.26	77.1			O	0.521
4-Methylphenol		0/9	0.00	0.26	77.1			O	0.521
4-Nitroaniline		0/9	0.00	0.618	84.4			O	1.24
4-Nitrophenol		0/9	0.00	0.64	79			O	1.28
4-Chloro-3-methylphenol		0/9	0.00	0.26	77.1			O	0.521
Acenaphthene		0/11	0.00	0.247	73.7			O	0.494
Acenaphthylene		0/11	0.00	0.247	73.7			O	0.494
Anthracene		0/11	0.00	0.247	73.7			O	0.494
Benzo(a)anthracene		0/11	0.00	0.247	73.7			O	0.494
Benzo(a)pyrene		0/11	0.00	0.247	73.7			O	0.494
Benzo(b)fluoranthene		0/11	0.00	0.247	73.7			O	0.494
Benzo(g,h,i)perylene		0/11	0.00	0.247	73.7			O	0.494
Benzo(k)fluoranthene		0/11	0.00	0.247	73.7			O	0.494
Benzoic acid		0/9	0.00	0.26	77.1			O	0.521
Benzyl alcohol		0/9	0.00	0.26	77.1			O	0.521
Bis(2-chloroisopropyl)ether		1/9	11.11	0.318	77.9	0.71	0.71	D	0.637
Bis(2-chloroethoxy)methane		0/9	0.00	0.26	77.1			O	0.521
Bis(2-chloroethyl)ether		0/9	0.00	0.26	77.1			O	0.521
Bis(2-ethylhexyl)phthalate		0/11	0.00	0.247	73.7			O	0.494
Butyl benzyl phthalate		1/9	11.11	0.261	77	0.19	0.19	D	0.521
Carbazole		0/9	0.00	0.26	77.1			O	0.521
Chrysene		0/11	0.00	0.247	73.7			O	0.494
Di-N-butyl phthalate		0/9	0.00	0.26	77.1			O	0.521
Di-N-octyl phthalate		0/9	0.00	0.26	77.1			O	0.521
Dibenzo(a,h)anthracene		0/9	0.00	0.26	77.1			O	0.521
Dibenzofuran		1/12	8.33	7.14	334	83.00	83.00	D	14.3
Diethyl phthalate		0/11	0.00	0.247	73.7			O	0.494
Dimethyl phthalate		0/9	0.00	0.26	77.1			O	0.521
Fluoranthene		0/9	0.00	0.26	77.1			O	0.521
Fluorene		0/9	0.00	0.26	77.1			O	0.521

Table G-7. Statistical Analysis of Subsurface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
Hexachlorobenzene		0/9	0.00	0.26	77.1			O	0.521
Hexachlorobutadiene		0/11	0.00	0.247	73.7			O	0.494
Hexachlorocyclopentadiene		0/9	0.00	0.26	77.1			O	0.521
Hexachloroethane		0/9	0.00	0.26	77.1			O	0.521
Indeno(1,2,3-cd)pyrene		0/9	0.00	0.26	77.1			O	0.521
Isophorone		0/11	0.00	0.247	73.7			O	0.494
N-Nitroso-di-N-propylamine		0/9	0.00	0.26	77.1			O	0.521
N-Nitrosodiphenylamine		0/9	0.00	0.618	84.4			O	1.24
Naphthalene		0/11	0.00	0.247	73.7			O	0.494
Nitrobenzene		0/9	0.00	0.26	77.1			O	0.521
Pentachlorophenol		1/12	8.33	7.31	335	85.00	85.00	D	14.6
Phenanthrene		0/16	0.00	0.00285	33.2			O	0.00569
Phenol		0/10	0.00	0.00285	42.9			O	0.00569
Pyrene		0/11	0.00	0.00285	40.7			O	0.00569
<i>Volatile Organic Compounds (mg/kg)</i>									
1,1-Dichloroethane		0/11	0.00	0.00285	40.7			O	0.00569
1,1-Dichloroethene		0/11	0.00	0.00285	40.7			O	0.00569
1,2-Dichloroethane		0/11	0.00	0.00285	40.7			O	0.00569
1,2-Dichloroethene		0/8	0.00	0.00294	4.62			O	0.00588
1,2-Dichloropropane		0/11	0.00	0.00285	40.7			O	0.00569
1,2-cis-Dichloroethene		0/3	0.00	0.0026	98.3			O	0.0052
1,2-trans-Dichloroethene		0/3	0.00	0.0026	98.3			O	0.0052
1,3-cis-Dichloropropene		0/11	0.00	0.00285	40.7			O	0.00569
1,3-trans-Dichloropropene		0/11	0.00	0.00285	40.7			O	0.00569
2-Butanone		1/7	14.29	0.00505	64.3	0.00	0.00	D	0.0101
2-Hexanone		1/11	9.09	0.00535	48.2	0.00	0.00	D	0.0107
4-Methyl-2-pentanone		1/11	9.09	0.00535	48.2	0.00	0.00	D	0.0107
Acetone		6/15	40.00	0.0249	110	0.01	0.11	D	0.0498
Benzene		0/17	0.00	0.00284	32.2			O	0.00569
Bromodichloromethane		0/11	0.00	0.00285	40.7			O	0.00569
Bromoform		0/11	0.00	0.00285	40.7			O	0.00569

Table G-7. Statistical Analysis of Subsurface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
Bromomethane		1/11	9.09	0.00513	55.8	0.00	0.00	D	0.0103
Carbon disulfide		1/16	6.25	0.00298	25	0.00	0.00	D	0.00596
Carbon tetrachloride		0/11	0.00	0.00285	40.7			O	0.00569
Chlorobenzene		0/11	0.00	0.00285	40.7			O	0.00569
Chloroethane		0/11	0.00	0.00549	48.6			O	0.011
Chloroform		0/11	0.00	0.00285	40.7			O	0.00569
Chloromethane		0/11	0.00	0.00549	48.6			O	0.011
Dibromochloromethane		0/11	0.00	0.00285	40.7			O	0.00569
Ethylbenzene		0/17	0.00	0.00284	32.2			O	0.00569
Methylene chloride		1/16	6.25	0.0032	35.1	0.01	0.01	D	0.00639
Styrene		0/11	0.00	0.00285	40.7			O	0.00569
Tetrachloroethene		1/16	6.25	0.00305	40.9	0.01	0.01	D	0.0061
Toluene		5/17	29.41	0.00406	115	0.00	0.02	D	0.00813
Trichloroethene		0/11	0.00	0.00285	40.7			O	0.00569
Vinyl chloride		0/11	0.00	0.00549	48.6			O	0.011
Xylenes, total		2/17	11.76	0.00416	114	0.01	0.02	D	0.00833
<i>Radionuclides (pCi/g)</i>									
Radium-226		1/1	100.00	0.547		0.55	0.55	X	1.09
Radium-228		1/1	100.00	0.445		0.45	0.45	X	0.89

^a Results less than the detection limit were set to one-half the reported detection limit. For radionuclides, the reported result was used to calculate the mean.

Distribution codes:

D = Distribution not determined because fewer than 5 detects or less than 50 percent detects (t-distribution).

L = Distribution most similar to lognormal [land statistic used for upper confidence limit (UCL)].

N = Distribution most similar to normal (t-distribution used for UCL).

O = Analyte not detected in any sample.

X = Distribution significantly different from normal and lognormal (t-distribution used for UCL).

^b If a chemical was not detected, the reference background criterion was the mean of the detection limit. However, organic constituents were screened against zero because they are considered man-made.

Table G-8. Statistical Analysis of Groundwater Background Data

Analyte	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
<i>Anions (µg/L)</i>								
Alkalinity	1/1	100.00	45,100.00		45,100.00	45,100.00	X	90,200.00
Nitrate	0/1	0.00	250.00				O	500.00
Nitrite	0/1	0.00	250.00				O	500.00
Sulfate	8/8	100.00	13,400.00	110.00	1,100.00	38,900.00	L	26,717.50
Sulfide	0/1	0.00	50.00				O	100.00
<i>Metals (µg/L)</i>								
Aluminum	1/1	100.00	1,200.00		1,200.00	1,200.00	X	2,400.00
Antimony	0/1	0.00	1.20				O	2.40
Arsenic	1/18	5.56	1.51	147.14	10.10	10.10	D	3.02
Barium	17/18	94.44	35.90	109.00	3.80	177.00	L	71.72
Beryllium	0/1	0.00	0.08				O	0.15
Cadmium	4/16	25.00	0.21	121.03	0.32	1.10	D	0.43
Calcium	1/1	100.00	1,630.00		1,630.00	1,630.00	X	3,260.00
Chromium	12/18	66.67	1.78	107.61	0.52	7.30	L	3.56
Cobalt	0/1	0.00	0.23				O	0.46
Copper	1/1	100.00	2.00		2.00	2.00	X	4.00
Iron	2/2	100.00	2,190.00	102.79	598.00	3,780.00	N	4,378.00
Lead	8/18	44.44	2.35	250.54	0.08	25.50	D	4.69
Magnesium	1/1	100.00	814.00		814.00	814.00	X	1,628.00
Manganese	1/1	100.00	17.30		17.30	17.30	X	34.60
Mercury	3/18	16.67	0.07	107.16	0.20	0.28	D	0.14
Nickel	1/1	100.00	1.90		1.90	1.90	X	3.80
Potassium	1/1	100.00	643.00		643.00	643.00	X	1,286.00
Selenium	2/17	11.76	0.95	68.62	0.62	2.50	D	1.90
Silver	5/18	27.78	0.56	196.74	0.08	4.90	D	1.12
Sodium	1/1	100.00	3,520.00		3,520.00	3,520.00	X	7,040.00
Thallium	0/1	0.00	1.60				O	3.20

Table G-8. Statistical Analysis of Groundwater Background Data (continued)

Analyte	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
Vanadium	1/1	100.00	2.00		2.00	2.00	X	4.00
Zinc	0/1	0.00	8.45				O	16.90
<i>Other Analytes</i>								
Total organic carbon	1/1	100.00	3,160.00		3,160.00	3,160.00	X	6,320.00
<i>Volatile Organic Compounds (µg/L)</i>								
Ethane	0/1	0.00	2.50				O	5.00
Ethene	0/1	0.00	2.50				O	5.00
Methane	1/1	100.00	53.70		53.70	53.70	X	107.40
<i>Explosives (µg/L)</i>								
1,3,5-Trinitrobenzene	0/1	0.00	1.00				O	2.00
1,3-Dinitrobenzene	0/1	0.00	1.50				O	3.00
2,4,6-Trinitrotoluene	0/1	0.00	1.50				O	3.00
2,4-Dinitrotoluene	0/1	0.00	0.05				O	0.10
2,6-Dinitrotoluene	0/1	0.00	0.05				O	0.10
2-Nitrotoluene	0/1	0.00	5.00				O	10.00
3-Nitrotoluene	0/1	0.00	5.00				O	10.00
4-Nitrotoluene	0/1	0.00	5.00				O	10.00
HMX	0/1	0.00	10.00				O	20.00
Nitrobenzene	0/1	0.00	5.00				O	10.00
RDX	0/1	0.00	10.00				O	20.00
Tetryl	0/1	0.00	25.00				O	50.00
<i>Pesticides/PCBs (µg/L)</i>								
4,4'-DDD	0/3	0.00	0.02	0.00			O	0.04
4,4'-DDE	0/3	0.00	0.02	0.00			O	0.04
4,4'-DDT	0/3	0.00	0.02	0.00			O	0.04
Aldrin	0/3	0.00	0.01	0.00			O	0.02
alpha-Chlordane	0/3	0.00	0.01	0.00			O	0.02
alpha-BHC	0/3	0.00	0.01	0.00			O	0.02
Aroclor-1016	0/3	0.00	0.05	0.58			O	0.10

Table G-8. Statistical Analysis of Groundwater Background Data (continued)

Analyte	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
Aroclor-1221	0/3	0.00	0.05	0.58			O	0.10
Aroclor-1232	0/3	0.00	0.05	0.58			O	0.10
Aroclor-1242	0/3	0.00	0.05	0.58			O	0.10
Aroclor-1248	0/3	0.00	0.05	0.58			O	0.10
Aroclor-1254	0/3	0.00	0.05	0.58			O	0.10
Aroclor-1260	0/3	0.00	0.05	0.58			O	0.10
beta-BHC	0/3	0.00	0.01	0.00			O	0.02
delta-BHC	0/3	0.00	0.01	0.00			O	0.02
Dieldrin	0/3	0.00	0.02	0.00			O	0.04
Endosulfan I	0/3	0.00	0.01	0.00			O	0.02
Endosulfan II	0/3	0.00	0.02	0.00			O	0.04
Endosulfan sulfate	0/3	0.00	0.02	0.00			O	0.04
Endrin	0/3	0.00	0.02	0.00			O	0.04
Endrin aldehyde	0/2	0.00	0.02	0.00			O	0.04
Endrin ketone	0/3	0.00	0.02	0.00			O	0.04
gamma Chlordane	0/3	0.00	0.01	0.00			O	0.02
gamma-BHC (Lindane)	0/3	0.00	0.01	0.00			O	0.02
Heptachlor	0/3	0.00	0.01	0.00			O	0.02
Heptachlor epoxide	0/3	0.00	0.01	0.00			O	0.02
Methoxychlor	0/3	0.00	0.10	0.00			O	0.20
Toxaphene	0/3	0.00	0.50	0.58			O	0.99
<i>Semivolatile Organic Compounds (µg/L)</i>								
1,2,4-Trichlorobenzene	0/11	0.00	5.05	2.28			O	10.10
1,2-Dichlorobenzene	0/11	0.00	5.05	2.28			O	10.10
1,3-Dichlorobenzene	0/11	0.00	5.05	2.28			O	10.10
1,4-Dichlorobenzene	0/11	0.00	5.05	2.28			O	10.10
2,2'-Oxybis (1-chloropropane)	0/11	0.00	5.05	2.28			O	10.10
2,4,5-Trichlorophenol	0/10	0.00	12.60	2.14			O	25.20
2,4,6-Trichlorophenol	0/10	0.00	5.03	2.16			O	10.06

Table G-8. Statistical Analysis of Groundwater Background Data (continued)

Analyte	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
2,4-Dichlorophenol	0/10	0.00	5.03	2.16			O	10.06
2,4-Dimethylphenol	0/10	0.00	5.03	2.16			O	10.06
2,4-Dinitrophenol	0/10	0.00	12.60	2.14			O	25.20
2,4-Dinitrotoluene	0/11	0.00	5.05	2.28			O	10.10
2,6-Dinitrotoluene	0/11	0.00	5.05	2.28			O	10.10
2-Chloronaphthalene	0/12	0.00	4.23	45.64			O	8.46
2-Chlorophenol	0/10	0.00	5.03	2.16			O	10.06
2-Methylnaphthalene	0/11	0.00	5.05	2.28			O	10.10
2-Methylphenol	0/10	0.00	5.03	2.16			O	10.06
2-Nitroaniline	0/11	0.00	12.60	2.26			O	25.20
2-Nitrophenol	0/10	0.00	5.03	2.16			O	10.06
3,3'-Dichlorobenzidine	0/11	0.00	10.10	2.28			O	20.20
3-Nitroaniline	0/11	0.00	12.60	2.26			O	25.20
4,6-Dinitro-o-cresol	0/10	0.00	12.60	2.14			O	25.20
4-Bromophenyl-phenyl ether	0/11	0.00	5.05	2.28			O	10.10
4-Chloroaniline	0/11	0.00	5.05	2.28			O	10.10
4-Chlorophenyl-phenylether	0/11	0.00	5.05	2.28			O	10.10
4-Methylphenol	0/10	0.00	5.03	2.16			O	10.06
4-Nitroaniline	0/11	0.00	12.60	2.26			O	25.20
4-Nitrophenol	0/10	0.00	12.60	2.14			O	25.20
4-Chloro-3-methylphenol	0/10	0.00	5.03	2.16			O	10.06
Acenaphthene	0/12	0.00	4.23	45.64			O	8.46
Acenaphthylene	0/12	0.00	4.23	45.64			O	8.46
Anthracene	0/12	0.00	4.23	45.64			O	8.46
Benzo(a)anthracene	0/12	0.00	4.23	45.64			O	8.46
Benzo(a)pyrene	0/12	0.00	4.23	45.64			O	8.46
Benzo(b)fluoranthene	0/12	0.00	4.23	45.64			O	8.46
Benzo(g,h,i)perylene	0/12	0.00	4.23	45.64			O	8.46
Benzo(k)fluoranthene	0/12	0.00	4.23	45.64			O	8.46

Table G-8. Statistical Analysis of Groundwater Background Data (continued)

Analyte	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
Bis(2-chloroethoxy)methane	0/11	0.00	5.05	2.28			O	10.10
Bis(2-chloroethyl)ether	0/11	0.00	5.05	2.28			O	10.10
Bis(2-ethylhexyl)phthalate	0/11	0.00	5.05	2.28			O	10.10
Butyl benzyl phthalate	0/11	0.00	5.05	2.28			O	10.10
Carbazole	0/11	0.00	5.05	2.28			O	10.10
Chrysene	0/12	0.00	4.23	45.64			O	8.46
Di-N-butyl phthalate	0/11	0.00	5.05	2.28			O	10.10
Di-N-octyl phthalate	0/11	0.00	5.05	2.28			O	10.10
Dibenzo(a,h)anthracene	0/12	0.00	4.23	45.64			O	8.46
Dibenzofuran	0/11	0.00	5.05	2.28			O	10.10
Diethyl phthalate	0/11	0.00	5.05	2.28			O	10.10
Dimethyl phthalate	0/11	0.00	5.05	2.28			O	10.10
Fluoranthene	0/12	0.00	4.23	45.64			O	8.46
Fluorene	0/12	0.00	4.23	45.64			O	8.46
Hexachlorobenzene	0/11	0.00	5.05	2.28			O	10.10
Hexachlorobutadiene	0/11	0.00	5.05	2.28			O	10.10
Hexachlorocyclopentadiene	0/11	0.00	5.05	2.28			O	10.10
Hexachloroethane	0/11	0.00	5.05	2.28			O	10.10
Indeno(1,2,3-cd)pyrene	0/12	0.00	4.23	45.64			O	8.46
Isophorone	0/11	0.00	5.05	2.28			O	10.10
N-Nitroso-di-N-propylamine	0/11	0.00	5.05	2.28			O	10.10
N-Nitrosodiphenylamine	0/11	0.00	5.05	2.28			O	10.10
Naphthalene	0/12	0.00	4.23	45.64			O	8.46
Nitrobenzene	0/11	0.00	5.05	2.28			O	10.10
Pentachlorophenol	0/10	0.00	12.60	2.14			O	25.20
Phenanthrene	0/12	0.00	4.23	45.64			O	8.46
Phenol	0/10	0.00	5.03	2.16			O	10.06
Pyrene	0/12	0.00	4.63	30.87			O	9.26

Table G-8. Statistical Analysis of Groundwater Background Data (continued)

Analyte	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
<i>Volatile Organic Compounds (µg/L)</i>								
1,1,1-Trichloroethane	1/17	5.88	1.75	48.08	0.23	0.23	D	3.50
1,1,2,2-Tetrachloroethane	0/17	0.00	1.88	40.43			O	3.76
1,1,2-Trichloroethane	0/17	0.00	1.88	40.43			O	3.76
1,1-Dichloroethane	1/17	5.88	1.77	45.82	0.53	0.53	D	3.54
1,1-Dichloroethene	0/17	0.00	1.88	40.43			O	3.76
1,2-Dichloroethane	0/17	0.00	1.88	40.43			O	3.76
1,2-Dichloroethene	0/9	0.00	2.50	0.00			O	5.00
1,2-Dichloropropane	0/17	0.00	1.88	40.43			O	3.76
1,2- <i>cis</i> -Dichloroethene	0/8	0.00	1.19	44.66			O	2.38
1,2- <i>trans</i> -Dichloroethene	0/8	0.00	1.19	44.66			O	2.38
1,3- <i>cis</i> -Dichloropropene	0/17	0.00	1.88	40.43			O	3.76
1,3- <i>trans</i> -Dichloropropene	1/17	5.88	1.75	48.00	0.24	0.24	D	3.50
2-Butanone	0/9	0.00	3.06	36.08			O	6.12
2-Hexanone	0/17	0.00	3.97	31.94			O	7.94
4-Methyl-2-pentanone	0/12	0.00	4.58	21.23			O	9.16
Acetone	3/14	21.43	3.61	37.06	1.70	5.20	D	7.22
Benzene	0/17	0.00	1.53	48.31			O	3.06
Bromodichloromethane	0/17	0.00	1.88	40.43			O	3.76
Bromoform	0/17	0.00	1.88	40.43			O	3.76
Bromomethane	0/17	0.00	3.35	60.52			O	6.70
Carbon disulfide	0/17	0.00	2.50	0.00			O	5.00
Carbon tetrachloride	0/17	0.00	1.88	40.43			O	3.76
Chlorobenzene	0/17	0.00	1.88	40.43			O	3.76
Chloroethane	0/17	0.00	3.35	60.52			O	6.70
Chloroform	0/17	0.00	1.88	40.43			O	3.76
Chloromethane	1/17	5.88	3.71	57.23	7.10	7.10	D	7.42
Dibromochloromethane	0/17	0.00	1.88	40.43			O	3.76
Ethylbenzene	3/17	17.65	1.49	61.47	0.21	0.34	D	2.98

Table G-8. Statistical Analysis of Groundwater Background Data (continued)

Analyte	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist. ^a	Reference Background Criteria ^b
Methylene chloride	1/17	5.88	2.04	34.17	2.10	2.10	D	4.08
Styrene	0/17	0.00	1.88	40.43			O	3.76
Tetrachloroethene	0/17	0.00	1.88	40.43			O	3.76
Toluene	3/17	17.65	0.97	49.16	0.26	0.35	D	1.94
Trichloroethene	1/17	5.88	1.75	47.60	0.29	0.29	D	3.50
Vinyl acetate	0/1	0.00	5.00				O	10.00
Vinyl chloride	0/17	0.00	1.24	78.54			O	2.48
Xylenes, total	3/17	17.65	1.55	53.94	0.42	0.71	D	3.10
<i>Radionuclides (pCi/L)</i>								
Radium-226	1/1	100.00	0.58		0.58	0.58	X	1.16
Radium-228	1/1	100.00	1.71		1.71	1.71	X	3.42

^a Results less than the detection limit were set to one-half the reported detection limit. For radionuclides, the reported result was used to calculate the mean.

Distribution codes:

D = Distribution not determined because fewer than 5 detects or less than 50 percent detects (t-distribution).

L = Distribution most similar to lognormal [land statistic used for upper confidence limit (UCL)].

N = Distribution most similar to normal (t-distribution used for UCL).

O = Analyte not detected in any sample.

X = Distribution significantly different from normal and lognormal (t-distribution used for UCL).

^b If a chemical was not detected, the reference background criterion was the mean of the detection limit. However, organic constituents were screened against zero because they are considered man-made.

APPENDIX H

**ADDITIONAL FATE AND TRANSPORT MODELING TO SUPPORT
BASELINE HUMAN HEALTH RISK ASSESSMENT**

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ADDITIONAL FATE AND TRANSPORT MODELING TO SUPPORT BASELINE HUMAN HEALTH RISK ASSESSMENT

This appendix describes the additional fate and transport modeling performed for contaminant migration contaminants of potential concern (COPCs) identified in Chapter 6.0 and human health COPCs identified in Chapter 7.0. It also describes the development of soil remedial levels for contaminant migration COPCs.

Acetone and methylene chloride were identified as contaminant migration COPCs (Chapter 6.0) in soil. Acetone was excluded from leaching analysis because the only detection of acetone (SC-M16) in soil was collected from outside the boundary of SWMU 1 (Section 5.2), which is also upgradient of the site and outside the influence of potential SWMU 1 contaminants. The Seasonal Soil Compartment Model (SESOIL) was used to predict the maximum groundwater concentration of methylene chloride. The six detected concentrations of methylene chloride in surface and subsurface soil were confined to five locations (SC-M11, SC-M12, SC-M13, SC-M14, and GP-01) along the northern boundary of the old, inactive portion of SWMU 1. The remedial level for methylene chloride was developed using SESOIL modeling results.

The Analytical Transient One-, Two-, and Three-Dimensional Simulation of Waste Transport in the Aquifer System (AT123D) model (Yeh 1993) was used to predict the off-site groundwater concentrations of contaminant migration COPC methylene chloride and human health COPCs acetone, trichloroethene, and bis(2-ethylhexyl)phthalate. Acetone, trichloroethene, and 1,2-*cis*-dichloroethene were modeled because these organic constituents exceeded their respective maximum contaminant levels (MCLs)/risk-based concentrations (RBCs). The remaining organic human health COPCs, benzene and 1,2-*cis*-dichloroethene, did not exceed their MCLs/RBCs in groundwater; therefore, no AT123D modeling was performed for these two chemicals. It was estimated that inorganic human health COPCs (lead and chromium) will take more than 1,000 years to reach the nearest downgradient receptor because of their higher retardation factors (Table 6-1) and slow groundwater movement at the site (12.8 feet/year). No AT123D modeling was performed for inorganic human health COPCs.

H.1 SESOIL MODELING

SESOIL (Appendix H, Attachment 1) was used to predict the maximum groundwater concentration of the contaminant migration COPC (methylene chloride) in soil. The input data for SESOIL can be grouped into four types: climatic, chemical, soil, and application data. There are a total of 61 separate parameters contained in these four data groups. Wherever possible, site-specific parameter values were used for modeling. Certain parameters, however, were not available for SWMU 1 and were estimated based on a pertinent scientific literature search, geochemical investigations, and consistency checks between model results and historical data. Conservative estimates were used when a range of values was indicated or parameter values were not available.

H.1.1 Climate Data

The climatic data file of SESOIL consists of an array of values for various climatic parameters (Table H-1). The climatic parameters are taken from the SESOIL database. The nearest rain gauge station to SWMU 1 in the SESOIL database is Savannah, Georgia.

Table H-1. Climatic Data Used in the SESOIL Model for SWMU 1, Fort Stewart, Georgia

Month	Air Temp (°C)	Cloud Cover	Humidity	ALBEDO	Evapotranspiration ^a (cm/d)	Precipitation (cm)	Duration (days)	Storms/Month	Rainfall in a Month (days)
October	20.17	0.50	0.75	0.14	0.00	7.43	0.44	3.17	30.4
November	14.83	0.50	0.75	0.14	0.00	6.56	0.38	3.08	30.4
December	11.17	0.55	0.75	0.14	0.00	9.07	0.44	4.97	30.4
January	10.83	0.55	0.75	0.14	0.00	10.53	0.48	4.97	30.4
February	11.94	0.55	0.70	0.14	0.00	11.24	0.44	5.14	30.4
March	15.00	0.55	0.70	0.14	0.00	12.50	0.37	5.69	30.4
April	19.33	0.50	0.70	0.14	0.00	8.96	0.37	4.26	30.4
May	23.17	0.50	0.70	0.14	0.00	10.39	0.31	5.49	30.4
June	26.22	0.60	0.70	0.14	0.00	11.05	0.29	7.36	30.4
July	27.28	0.60	0.80	0.14	0.00	13.27	0.26	9.56	30.4
August	27.17	0.60	0.80	0.14	0.00	12.82	0.29	7.92	30.4
September	24.94	0.60	0.80	0.14	0.00	9.45	0.38	6.39	30.4

Source: SESOIL database, General Sciences Corporation, Inc. 1996.

^a0.00 indicates that evapotranspiration is calculated by SESOIL using the climatic data.

H.1.2 Chemical Data

The pollutant fate cycle of SESOIL focuses on the various chemical transport and transformation processes that may occur in the soil zone. These processes include volatilization/diffusion, adsorption/desorption, cation exchange, biodegradation, hydrolysis, and metal complexation. The chemical's solubility in water, air diffusion coefficient, Henry's Law constant, and organic carbon partitioning coefficient are parameters required for input to the model. These chemical-specific values are presented in Table 6-2.

The process of biodegradation was not included in the SESOIL runs to provide conservative modeling results. The process of hydrolysis was not considered in this study because the rates of hydrolysis for certain organic chemicals may vary over more than 14 orders of magnitude. The use of such values in the model would place a high degree of uncertainty on the SESOIL results. Therefore, hydrolysis parameters were set to zero for this analysis, which results in conservative output.

H.1.3 Soil Data

The soil data file of SESOIL contains input parameters describing the physical characteristics of the subsurface soil (Table H-2). The parameters include: soil bulk density, intrinsic permeability, soil disconnectedness index, soil porosity, organic carbon content, soil moisture content, infiltration rate, depth to the water table, aquifer thickness, and the area of the source. The infiltration rate was based on water balance calculation using the Hydrologic Evaluation of Landfill Performance model (Section 6.3.1).

Table H-2. Hydrogeological Parameters Used by SESOIL for SWMU 1, Fort Stewart, Georgia

Parameters type	Parameter value	Source
Soil type	Silty sand	Site-specific
Bulk density (gm/cm ³)	1.8	Site-specific geotechnical data
Percolation rate (cm/yr)	37.3	Estimated using Hydrologic Evaluation of Landfill Performance model
Intrinsic permeability (cm ²)	9.00E-10	Calibrated
Disconnected index	10	Calibrated
Porosity (%)	32.5	Site-specific geotechnical data
Depth to water table (m)	1.5	Site-specific hydrogeologic data
Organic carbon content (%)	2.00E-01	U.S. Environmental Protection Agency default
Freundlich equn. exponent	1	SESOIL default value
Dilution attenuation factor	1.07	Calculated
Area of source (m ²)	1.89E+05	Area map

If a site-specific soil parameter was not available, a conservative default value was used as input to the model for the parameters listed in Table H-2. There is no measurement method for the Freundlich exponent (used in calculating the adsorbed contaminant concentration). Thus, SESOIL default value was used for this parameter. The intrinsic permeability for the vadose zone was calibrated. The soil disconnectedness index replaces moisture retention curves (or characteristic curves) used by other unsaturated zone leaching models. The SESOIL User's Guide (Hetrick and Scott 1993) defines this parameter to be the exponent relating the "wetting" and "drying" time-dependent permeability of soil to its saturated permeability. This one-variable approach of

using the soil disconnectedness index in SESOIL simplifies the data estimation process and reduces computation time.

H.1.4 Initial Condition/Source Term Concentrations

Analytical data from soil samples collected from within SWMU 1 were used as initial concentrations for SESOIL modeling. These data are presented in Chapter 5.0. The loading of initial concentrations as input to SESOIL was based on the soil sampling intervals. The initial condition/source-term concentrations are presented in Table H-3.

Table H-3. SESOIL Source-Term Concentrations Used at SWMU 1, Fort Stewart, Georgia

COPCs	No. of Layers	Layer No.	Thickness of Layer (ft)	No. of Sublayers	Sublayer No.	Conc. (µg/g)
Methylene chloride	4	1	1	1	1	0.0137
		2	1	1	1	0
		3	2	2	1	0.0028
					2	0.0028
		4	1	1	1	0

H.1.5 Model Application

The SESOIL model used for leachate modeling in SWMU 1 estimates pollutant concentrations introduced into the subsurface via direct application and/or interaction with other media. The model defines the soil compartment as a column extending from the ground surface through the unsaturated zone to the upper level of the saturated soil zone. Processes simulated in SESOIL are categorized in three cycles: hydrologic cycle, sediment cycle, and pollutant cycle. Each cycle is a separate submodule in the SESOIL code. The hydrologic cycle includes rainfall, surface runoff, infiltration, soil-water content, evapotranspiration, and groundwater recharge. The pollutant cycle includes advective transport, volatilization, adsorption/desorption, and degradation/decay. A contaminant in SESOIL can partition in up to four phases (aqueous, gaseous, adsorbed, and free liquid). Data requirements for SESOIL are not extensive, utilizing a minimum number of soil and chemical parameters and meteorological values as input. Output from the SESOIL model includes pollutant concentrations at various soil depths and pollutant loss through surface runoff, percolation to groundwater, volatilization, and degradation. The mathematical formulations used in the SESOIL code generally consider the rate at which the modeled processes occur, the interaction of these processes, and the initial conditions of the waste area and surrounding hydrogeologic formations. The model was arranged in four layers (Table H-3). Layer 3 was divided into two sublayers to facilitate contaminant loading at intervals closely approximating the actual sampling points and analytical results. The first three layers are constituent loading zones. The fourth layer represents the leaching zone. Again, this layer was divided into ten sublayers to improve model precision. The fourth layer is very thin and lies just above the water table; it was used to record predicted leachate concentrations at the water table/vadose zone interface. The SESOIL simulations were continued until the maximum concentration in groundwater was attained.

H.1.6 SESOIL Modeling Results and Development of Remedial Level

Predicted leachate concentration of methylene chloride directly beneath the constituent source ($C_{\text{leachate, max}}$) obtained from SESOIL modeling and the predicted time to reach the maximum concentration are presented in Table H-4 and Figure H-1. The SESOIL results were then converted

Table H-4. SESOIL Results and Soil Remedial Level Based on Leaching to Groundwater at SWMU 1, Fort Stewart, Georgia

Contaminant Migration COPCs	Maximum Soil Concentration (mg/kg)	Predicted $C_{leachate,max}$ Beneath the Source ($\mu\text{g/L}$)	Predicted T_{max} (years)	Predicted $C_{gw,max}$ at the Source ^a	Target Groundwater Concentration ($\mu\text{g/L}$)	Source ^b	Soil Remedial Level ^c (mg/kg)
Methylene chloride	13.7	22.5	<1	21	5	M	3.3

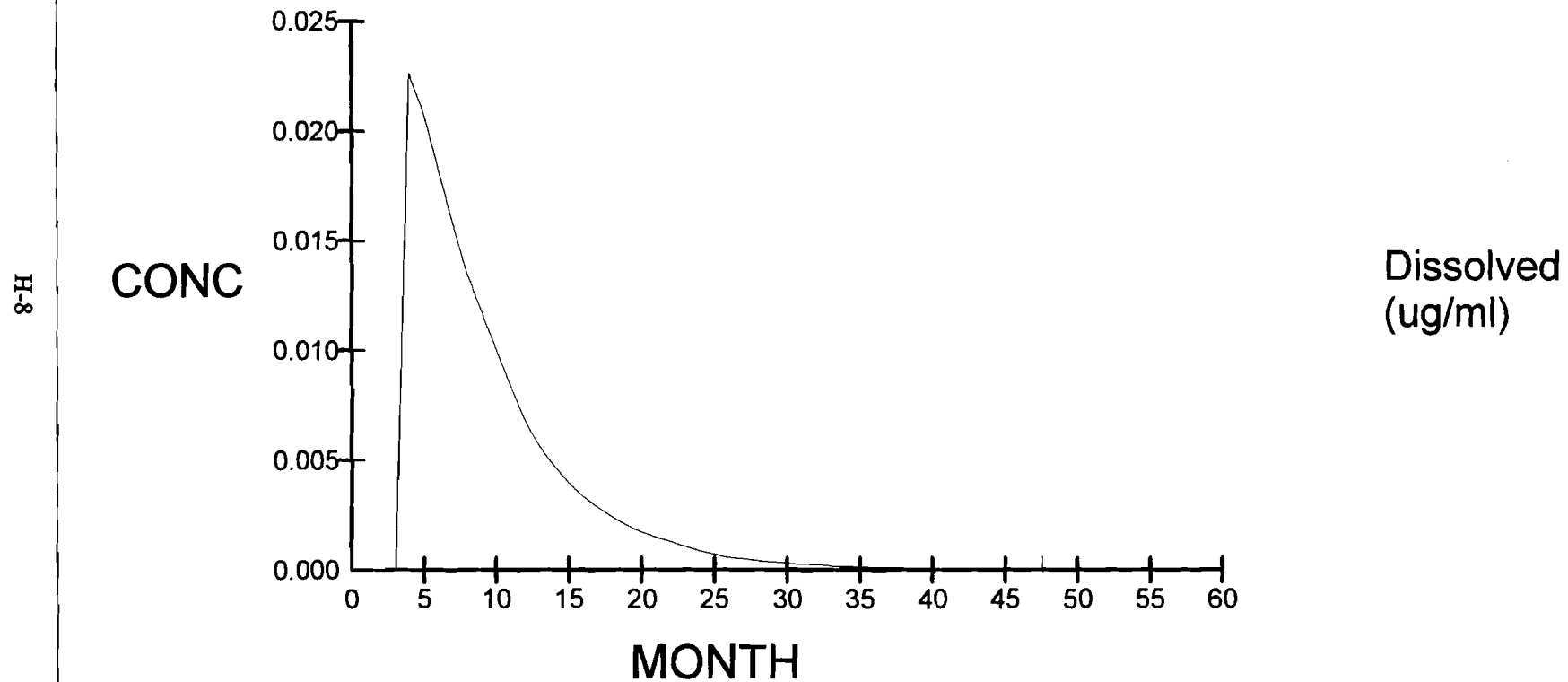
^aThe predicted maximum concentration in groundwater ($C_{gw,max}$) at the source was calculated by applying a dilution factor to the predicted maximum leachate concentration ($C_{leachate,max}$).

^bM = MCL.

^cSESOIL modeling results of methylene chloride were used to back-calculate a level in soil that ensured that the groundwater goal (i.e., MCL) would be achieved. A soil remedial level of methylene chloride was calculated based on the ratio of the MCL to the predicted maximum groundwater predicted by SESOIL. The soil remedial level was then calculated by multiplying the ratio by the maximum observed concentration of methylene chloride in soil at SWMU1.

**Figure H-1. Predicted Leachate Concentration of Methylene Chloride
by SESOIL Model, SWMU 1**

Concentration vs. Time at 152.4 cm Depth



converted into likely average groundwater concentrations by using a dilution factor (DF) of 1.07. The DF was developed by using the hydraulic analysis method (EPA 1996), which involves calculating the rate of flow through the aquifer system and the rate of rainwater percolation into the aquifer. The rate of percolation (14.7 inches/year) and the groundwater flow velocity (12.8 feet/year) were estimated from the Conceptual Site Model (CSM). The thickness of the zone of mixing in the groundwater aquifer was assumed to be 20 feet.

SESOIL modeling results of methylene chloride were used to back-calculate a level in soil that ensured that the groundwater goal (i.e., MCL) would be achieved. A soil remedial level for methylene chloride was calculated based on the ratio of the MCL to the predicted maximum groundwater predicted by SESOIL. The soil remedial level was then calculated by multiplying the ratio by the maximum observed concentration of methylene chloride in soil at SWMU 1. The resulting soil remedial level, based on leaching from soil to groundwater, is presented in Table H-4.

H.2 AT123D MODELING

AT123D was used to predict the off-site migration of the contaminant transport COPC and human health COPCs. A steady-state AT123D model was developed by calibrating the model against predicted/observed maximum concentrations in the groundwater beneath SWMU 1. Maximum groundwater concentrations predicted by SESOIL were used for modeling the contaminant migration COPC methylene chloride. Observed maximum groundwater concentrations were used for human health COPCs. Modeling of the leaching of soil contamination to the groundwater was not performed for human health COPCs because human health COPCs were not identified as contaminant migration COPCs in soil. A downgradient drainage ditch is located approximately 600 feet from the northern boundary of SWMU 1. In addition, Taylors Creek is also located approximately 1,200 feet from the northern boundary (downgradient) of the site. Vertical migration of the contaminant plume through the confining unit to the Principal Artesian aquifer is improbable. The confining unit has vertical hydraulic conductivity in the order of 10^{-8} cm/sec.

Two potential downgradient locations, a drainage ditch and Taylors Creek, at which a receptor might encounter migrating groundwater contamination were modeled. These are the nearest possible locations at which a receptor might encounter migrating groundwater contamination due to a possible hydraulic connection between the groundwater and the surface water in the ditch and the creek. AT123D simulations were performed to predict the maximum concentrations at these receptor locations over a simulation period of 100 years. The AT123D modeling results are provided in Figure H-2 through Figure H-5. The AT123D output file for acetone is included in Appendix H, Attachment 2. Modeling results indicate that none of the COPCs will reach the receptor locations at detectable concentrations.

Figure H-2. AT123D Modeled Maximum Concentration of Methylene Chloride in the Groundwater Versus Lateral Distance from the Source at SWMU 1

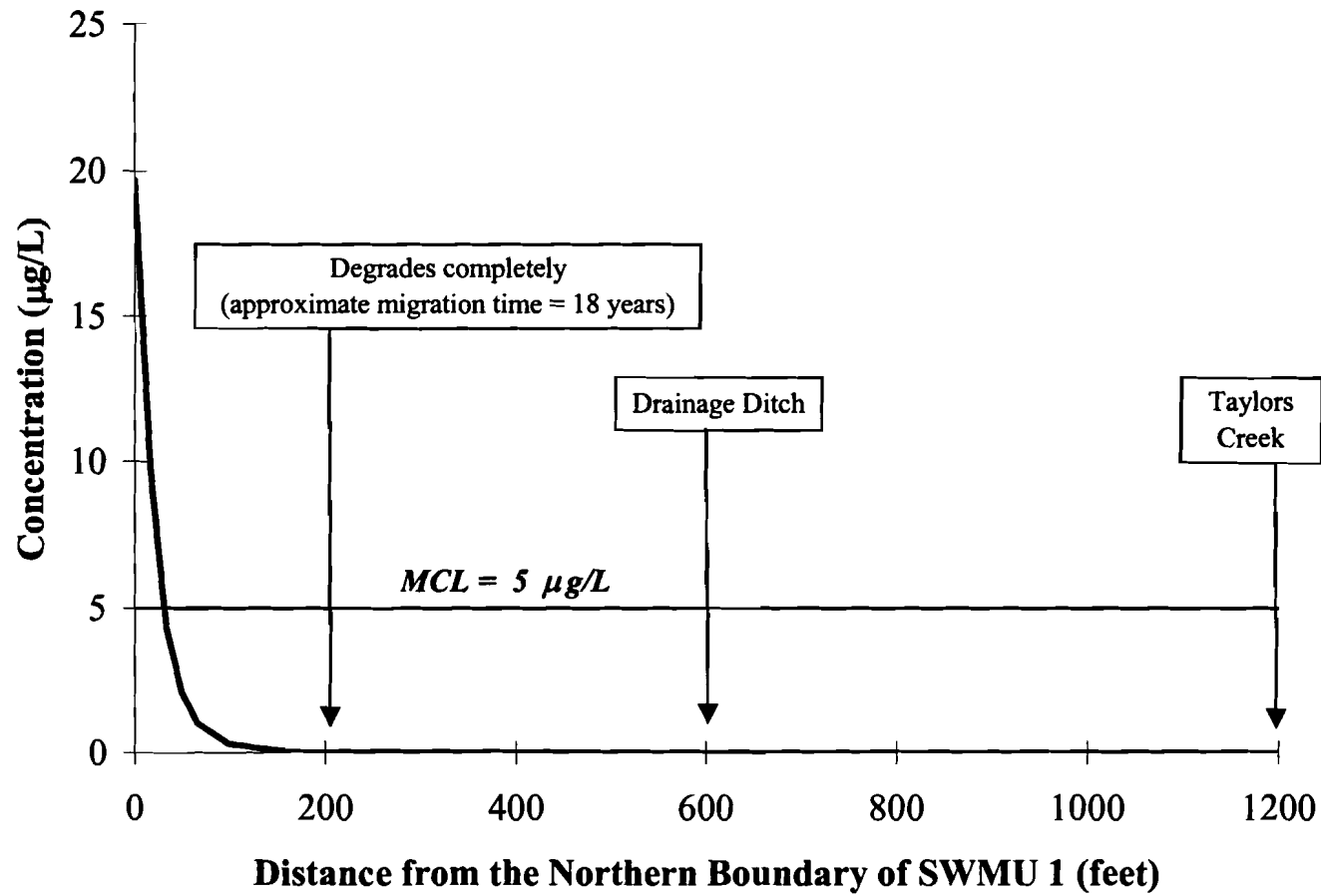


Figure H-3. AT123D Modeled Maximum Concentration of Acetone in the Groundwater Versus Lateral Distance from the Source at SWMU 1

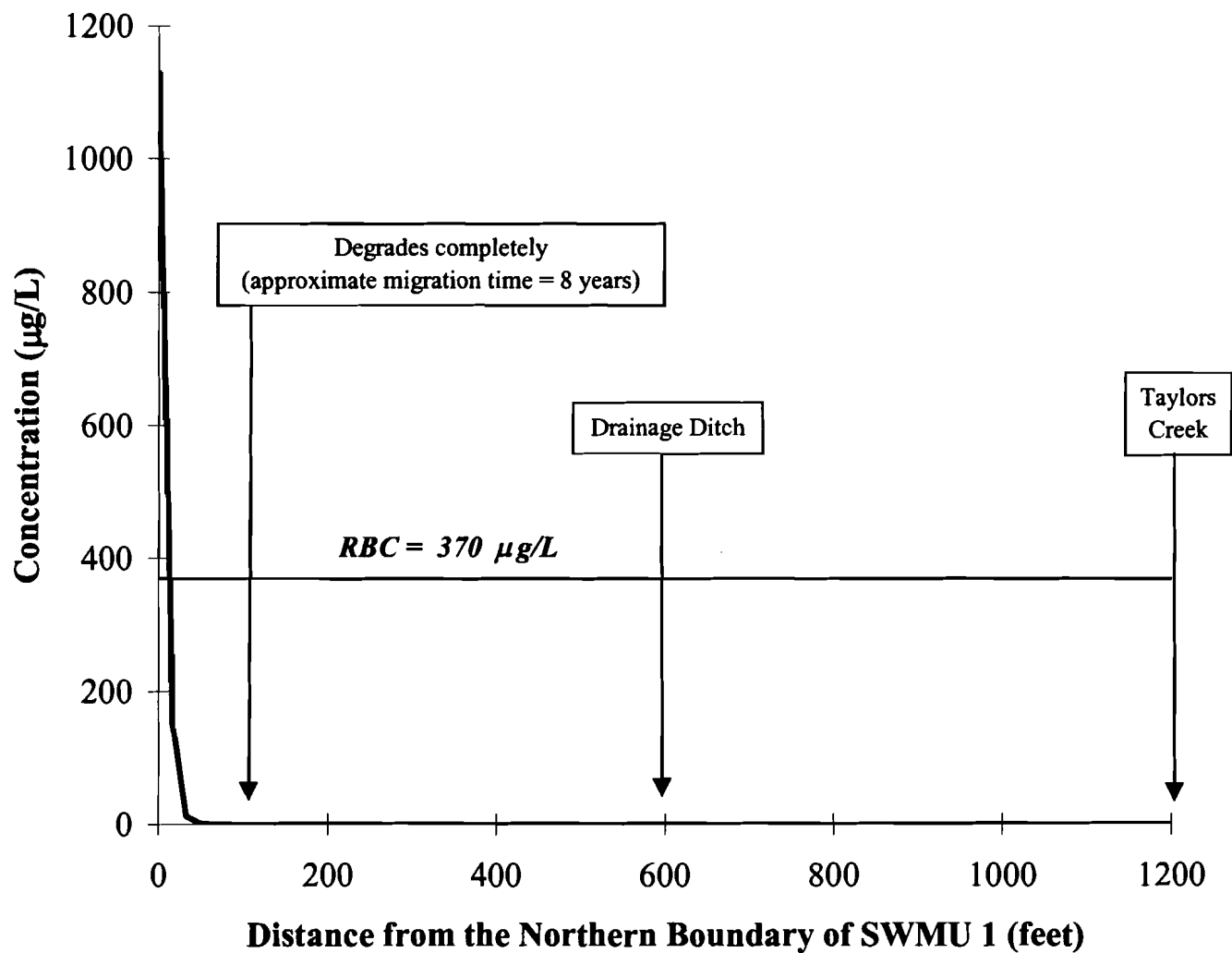
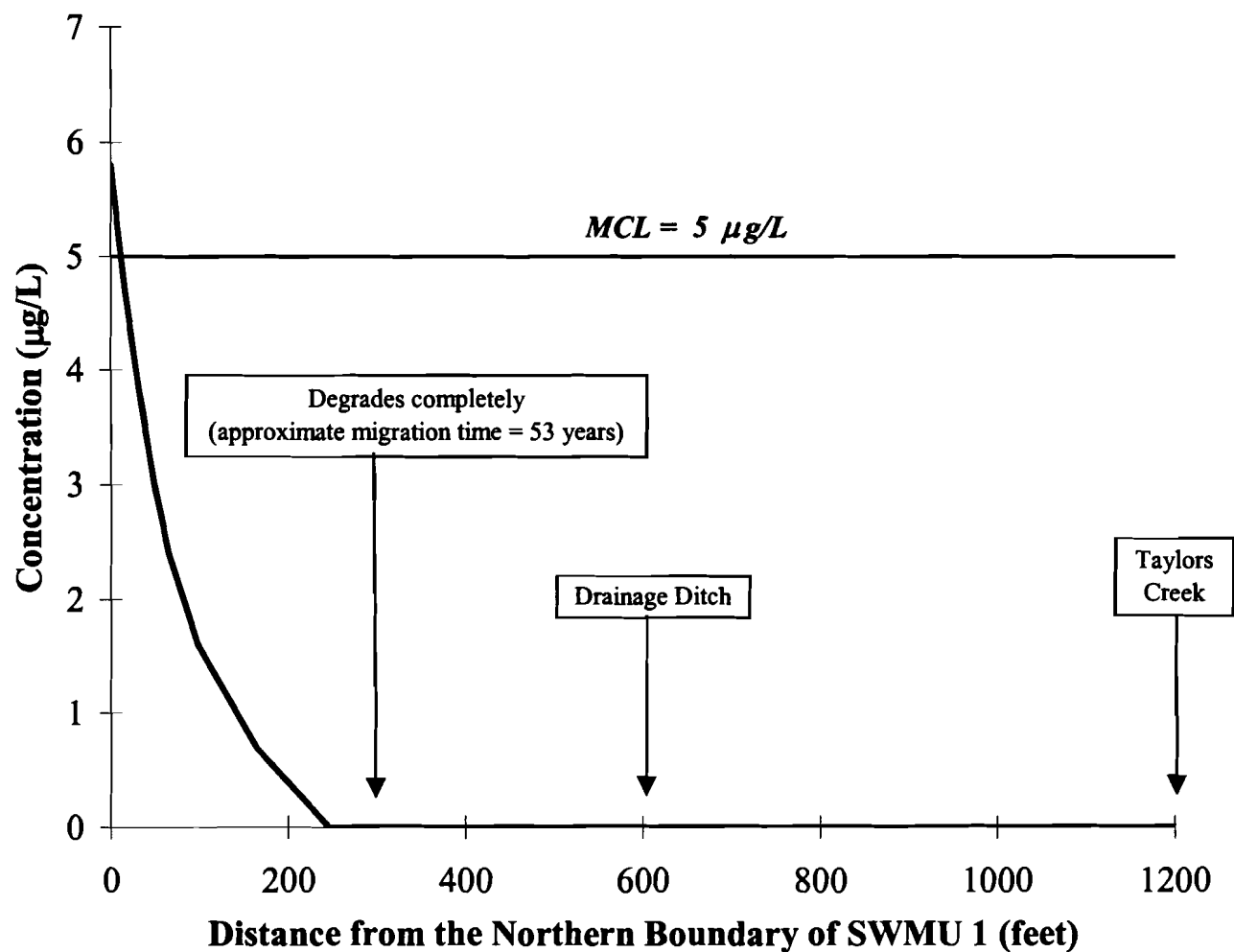
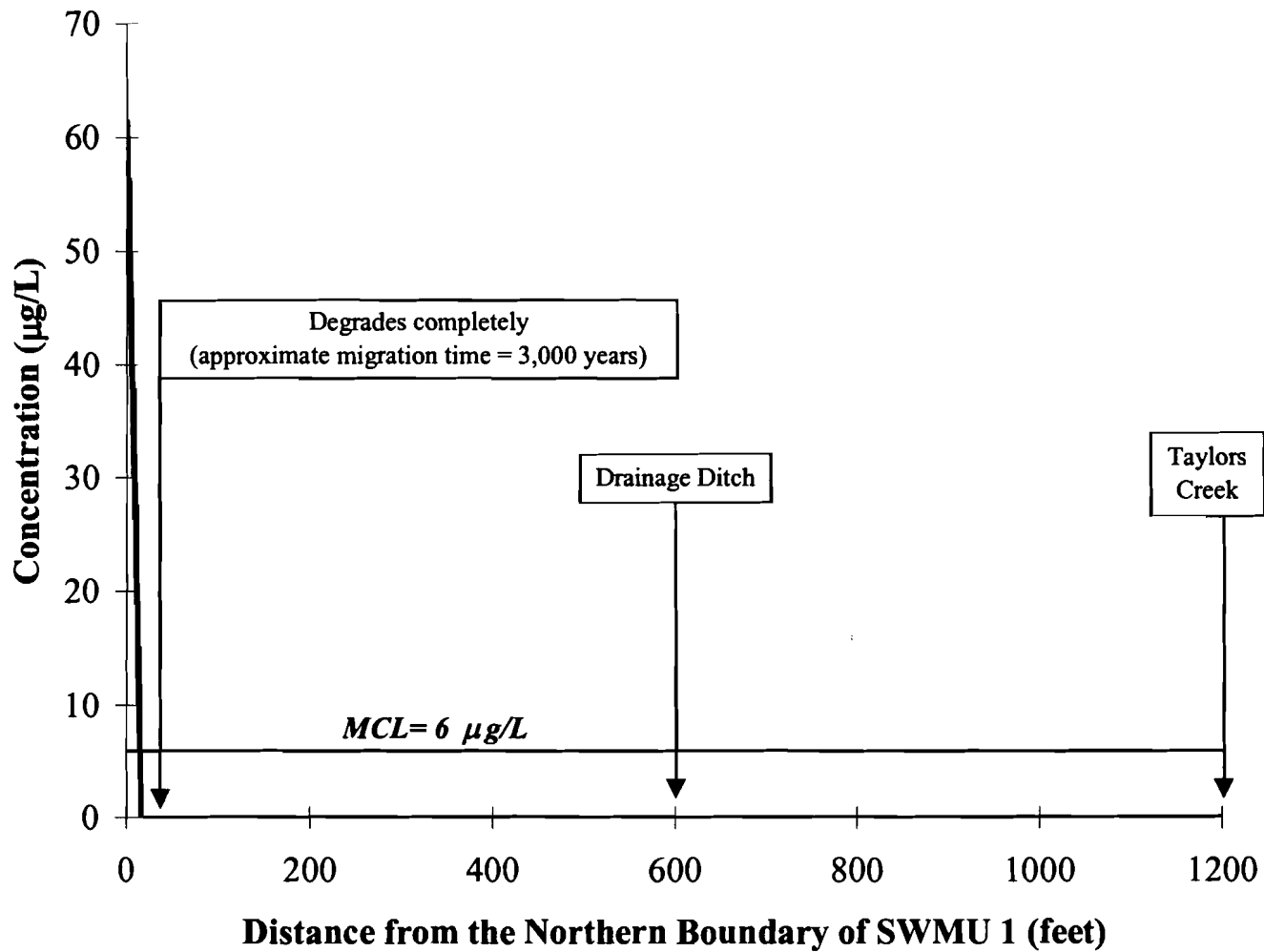


Figure H-4. AT123D Modeled Maximum Concentration of Trichloroethene in the Groundwater Versus Lateral Distance from the Source at SWMU 1



**Figure H-5. AT123D Modeled Maximum Concentration of
Bis(2-ethylhexyl)phthalate in the Groundwater Versus
Lateral Distance from the Source at SWMU 1**



H.3 REFERENCES

EPA (U.S. Environmental Protection Agency) 1996. Soil Screening Guidance: Technical Background Document, EPA/540/R-95/128, Office of Solid Waste and Emergency Response, May.

General Sciences Corporation, Inc. 1996. SESOIL Database.

Hetrick, D.M., and S.J. Scott 1993. The New SESOIL User's Guide, Wisconsin Department of Natural Resources, PUBL-SW-200, Madison, WI.

Yeh, G.T. 1993. Analytical Transient One-, Two-, and Three-Dimensional Simulation of Waste Transport in the Aquifer System, IGWMC-FOS 38 PC, Version 1.22, International Ground Water Modeling Center.

APPENDIX H, ATTACHMENT 1
SEASONAL SOIL COMPARTMENT MODEL

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SEASONAL SOIL COMPARTMENT MODEL

"SESOL" is the acronym for the Seasonal Soil Compartment Model and refers to a one-dimensional model for estimating vertical transport in the unsaturated soil zone. This model was used to develop the remedial levels for constituents identified at the SWMU 1 as contaminant migration constituents of potential concern (COPCs) in soils based on leaching to groundwater. The model is designed to simultaneously model water transport, sediment transport, and pollutant fate. An acceptable groundwater concentration is identified that is protective of human health (i.e., maximum contaminant level or risk-based concentration). Site-specific or default soil, chemical, and meteorological data are input into the model to predict a leachate concentration. This leachate concentration is used to develop the remedial levels in soil. The SESOL model is used to back-calculate a concentration in soils that ensures that the groundwater goal is achieved. The following sections more fully describe the SESOL model.

The SESOL program was developed for the U.S. Environmental Protection Agency's Office of Water and the Office of Toxic Substances (OTS) in 1981 by Arthur D. Little, Inc. (ADL). ADL updated the SESOL model in 1984 to include a fourth soil compartment (the original model included up to three layers) and the soil erosion algorithms (Bonazountas, Wagner, and Goodwin 1982; Bonazountas and Wagner 1984). A comprehensive evaluation of SESOL, performed by Watson and Brown (1985), uncovered numerous deficiencies in the model and, subsequently, SESOL was extensively modified to enhance its capabilities (Hetrick et al. 1989; Hetrick et al. 1986; and Hetrick and Travis 1988). This model was designed to perform "long-term" simulations of chemical transport and transformations in soil.

SESOL uses fewer soil, chemical, and meteorological values as inputs than do most other similar models. The potential applications of this model include long-term leaching studies from waste disposal sites, pesticide and sediment transport on watersheds, studies of hydrologic cycles and water balances of soil compartments, and precalibration runs for other simulation models. The model may also be run to estimate the effect of various site management or design strategies on pollutant distributions and concentrations in the environment.

SESOL is well recognized and accepted by the scientific community using soil-chemical fate models. It has been extensively validated and shown to work under a number of scenarios. A number of studies have been conducted on this model including sensitivity analysis, comparison with other models, and comparison with field data (Bonazountas, Wagner, and Goodwin 1982; Wagner, Bonazountas, and Alsterberg 1983; Hetrick 1984; Kincaid et al. 1984; Watson and Brown 1985; Hetrick et al. 1986; Melancol, Pollard, and Hern 1986; Hetrick and Travis 1988; Hetrick et al. 1989; Hetrick, Luxmoore, and Tharp 1993).

The SESOL model estimates pollutant concentrations in the soil profile following introduction via direct application and/or interaction with other media (e.g., deposition from air). The model defines the soil compartment as a soil column extending from the ground surface through the unsaturated zone and to the upper level of the saturated soil zone. Processes simulated in SESOL are categorized in three cycles: the hydrologic cycle, the sediment cycle, and the pollutant cycle. Each of the three cycles is a separate submodule in the SESOL code. The hydrologic cycle includes rainfall, surface runoff, infiltration, soil water content, evapotranspiration, and groundwater runoff. The sediment cycle includes sediment washload as a result of rainstorms (i.e., soil erosion that results from surface runoff). The pollutant cycle includes convective transport, volatilization, adsorption/desorption, and degradation/decay. A contaminant in SESOL

can partition into up to four phases (i.e., liquid, adsorbed, air, and pure). The model, however, does not address pollutant movement in saturated groundwater (General Sciences Corporation, Inc. 1987).

Data requirements for SESOIL are not extensive, using a minimum of soil and chemical parameters and monthly or seasonal meteorological values as input. Output of the SESOIL model includes pollutant concentrations at various soil depths and pollutant loss from the unsaturated soil zone in terms of surface runoff, percolation to groundwater, volatilization, and degradation. SESOIL has the advantage of faster computer run times than those of more complex unsaturated zone models.

SELECTION OF THE MODEL

SESOIL is well recognized and accepted by the scientific community using soil-chemical fate models. It has been extensively validated and shown to work under a number of scenarios. Output of the SESOIL model includes pollutant concentrations at various soil depths and pollutant loss from the unsaturated soil zone in terms of percolation to groundwater, volatilization, and degradation. This information will be used to obtain contaminant concentrations in the soil that may serve as guidelines for deep soil remediation. SESOIL has the advantage of fewer input requirements and faster computer run times than those of more complex unsaturated zone models, while still maintaining considerable resolution of the pollutant front in terms of both time and space.

Some of the attributes of SESOIL that make it particularly attractive and suitable for the development of remedial levels for vadose-zone soil leaching of contaminant migration COPCs at SWMU 1 that require corrective actions under a Corrective Action Plan are iterated below.

- SESOIL has been extensively validated and shown to work under a number of scenarios. It has also been used for similar applications in other parts of the country and is capable of providing the information required from this study (Bonazountas, Wagner, and Goodwin 1982; Hetrick 1984; Watson and Brown 1985; Hetrick et al. 1986; Melancol, Pollard, and Hern 1986; Hetrick and Travis 1988; Hetrick et al. 1989; Hetrick, Luxmoore, and Tharp 1993).
- SESOIL has the advantage of fewer input requirements and faster run times than those of more complex unsaturated zone models, while still maintaining considerable resolution of the pollutant front in both time and space.
- Documentation of SESOIL is readily available, including numerous publications on the subject and a user's guide recently developed by Hetrick and Scott (1993).
- The model can be divided into as few as two layers and as many as four layers. The model's compartmental nature allows for user-specified tailoring to suit a particular site.
- SESOIL is a one-dimensional soil compartment model that takes adsorption, volatilization, degradation/decay, convective transport, and metal complexation processes into account. At the same time, the input data requirements are not extensive, making it simpler than more complex models.

REFERENCES

- Bonazountas, M. and J. Wagner. 1984. SESOIL: A Seasonal Soil Compartment Model, Arthur D. Little, Inc., Cambridge, MA.
- Bonazountas, M., J. Wagner, and B. Goodwin 1982. Evaluation of Seasonal Soil/Groundwater Pollutant Pathways, Arthur D. Little, Inc., Cambridge, MA.
- General Sciences Corporation, Inc. 1987. User's Guide to SESOIL Execution in GEMS, Laurel, MD.
- Hetrick, D.M. 1984. Simulation of Hydrologic Cycle for Watersheds, paper presented at the Ninth IASTED International Conference on Energy, Power, and Environmental Systems, San Francisco, CA.
- Hetrick, D.M., R.J. Luxmoore, and M.L. Tharp 1993. Latin Hypercube Sampling with the SESOIL Model, proceedings of the Eighth Annual Conference on Contaminated Soils, University of Amherst, September.
- Hetrick, D.M., and S.J. Scott 1993. The New SESOIL User's Guide, Wisconsin Department of Natural Resources, PUBL-SW-200, Madison, WI.
- Hetrick, D.M. and C.C. Travis 1988. "Model Predictions of Watershed Erosion Components," Water Resources Bulletin, pp. 413-419.
- Hetrick, D.M., C.C. Travis, S.K. Leonard, and R.S. Kinerson 1989. Qualitative Validation of Pollutant Transport Components of an Unsaturated Soil Zone Model (SESOIL), ORNL/TM-10672, Oak Ridge National Laboratory, Oak Ridge, TN.
- Hetrick, D.M., C.C. Travis, P.S. Shirley, and E.L. Etnier 1986. "Model Predictions of Watershed Hydrologic Components: Comparison and Verification," Water Resources Bulletin, pp. 803-810.
- Kincaid, C.T., J.R. Morey, S.B. Yabusaki, A.R. Felmy, and J. E. Rogers 1984. Geohydrochemical Models for Solute Migration, Vol 2: Preliminary Evaluation of Selected Computer Codes for Modeling Aqueous Solution and Solute Migration in Soils and Geologic Media, Electric Power Research Institute, Palo Alto, CA.
- Melancol, S.M., J.E. Pollard, and S.C. Hern 1986. "Evaluation of SESOIL, PRZM, and PESTAN in a Laboratory Column Leaching Experiment," Environmental Toxicology and Chemistry 5(10): 865-878.
- Wagner, J., M. Bonazountas, and M. Alsterberg 1983. Potential Fate of Buried Halogenated Solvents via SESOIL, Arthur D. Little, Inc., Cambridge, MA.
- Watson, D.B. and S. M. Brown. 1985. Testing and Evaluation of the SESOIL Model, Anderson-Nichols and Co., Inc., Palo Alto, CA.

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APPENDIX H, ATTACHMENT 2
AT123D MODEL

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AT123D MODEL

Fate and transport models are used as a tool for predicting chemical concentrations at exposure points as an aid to the evaluation and selection of the most effective remedial alternative. The application of fate and transport models at any release site must ensure that the modeling results are protective of human health and the environment. Therefore, the selection process of a predictive model at a release site must consider its performance, characteristics, and applicability to the site being considered. The following characteristics were considered before selecting an appropriate model for the site:

- the model provides conservative predictions,
- the model is technically sound,
- the model is a public-domain model or is readily available,
- the model has received adequate peer review,
- the model has been applied to other similar sites, and
- the model is easy to use.

The Analytical Transient One-, Two-, Three-Dimensional Simulation of Waste Transport in the Aquifer System (AT123D) (G.T. Yeh 1993) meets all of the above criteria and was selected for performing fate and transport analysis for this site. AT123D is a well-known and commonly used analytical groundwater pollutant fate and transport model. It computes the spatial-temporal concentration distribution of chemicals in the aquifer system and predicts the transient spread of a chemical plume through a groundwater aquifer. The fate and transport processes accounted for in AT123D are advection, dispersion, adsorption/retardation, and decay. This model can be used as a tool for estimating the dissolved concentration of a chemical in one, two or three dimensions in the groundwater resulting from a mass release (either continuous or instant or depleting source) over a source area (i.e., point, line, area, or volume source).

AT123D output file

Acetone, SWMU 1, Fort Stewart

NO. OF POINTS IN X-DIRECTION	9
NO. OF POINTS IN Y-DIRECTION	1
NO. OF POINTS IN Z-DIRECTION	1
NO. OF ROOTS: NO. OF SERIES TERMS	400
NO. OF BEGINNING TIME STEP	12
NO. OF ENDING TIME STEP	200
NO. OF TIME INTERVALS FOR PRINTED OUT SOLUTION	12
INSTANTANEOUS SOURCE CONTROL = 0 FOR INSTANT SOURCE	1
SOURCE CONDITION CONTROL = 0 FOR STEADY SOURCE	0
INTERMITTENT OUTPUT CONTROL = 0 NO SUCH OUTPUT	1
CASE CONTROL =1 THERMAL, = 2 FOR CHEMICAL, = 3 RAD	2
AQUIFER DEPTH, = 0.0 FOR INFINITE DEEP (METERS) ...	0.6100E+01
AQUIFER WIDTH, = 0.0 FOR INFINITE WIDE (METERS) ...	0.0000E+00
BEGIN POINT OF X-SOURCE LOCATION (METERS)	-0.6265E+03
END POINT OF X-SOURCE LOCATION (METERS)	0.0000E+00
BEGIN POINT OF Y-SOURCE LOCATION (METERS)	-0.4020E+03
END POINT OF Y-SOURCE LOCATION (METERS)	0.4020E+03
BEGIN POINT OF Z-SOURCE LOCATION (METERS)	0.0000E+00
END POINT OF Z-SOURCE LOCATION (METERS)	0.0000E+00
POROSITY	0.2000E+00
HYDRAULIC CONDUCTIVITY (METER/HOUR)	0.1714E-01
HYDRAULIC GRADIENT	0.8600E-02
LONGITUDINAL DISPERSIVITY (METER)	0.5000E+01
LATERAL DISPERSIVITY (METER)	0.0000E+00
VERTICAL DISPERSIVITY (METER)	0.0000E+00
DISTRIBUTION COEFFICIENT, KD (M**3/KG)	0.1150E-05
HEAT EXCHANGE COEFFICIENT (KCAL/HR-M**2-DEGREE C)..	0.0000E+00
MOLECULAR DIFFUSION MULTIPLY BY POROSITY (M**2/HR)	0.4100E-05
DECAY CONSTANT (PER HOUR)	0.1030E-02
BULK DENSITY OF THE SOIL (KG/M**3)	0.1800E+04
ACCURACY TOLERANCE FOR REACHING STEADY STATE	0.1000E-02
DENSITY OF WATER (KG/M**3)	0.1000E+04
TIME INTERVAL SIZE FOR THE DESIRED SOLUTION (HR) ..	0.7300E+03
DISCHARGE TIME (HR)	0.8760E+06
WASTE RELEASE RATE (KCAL/HR), (KG/HR), OR (CI/HR) .	0.8000E-01
RETARDATION FACTOR	0.1010E+01
RETARDED DARCY VELOCITY (M/HR)	0.7293E-03
RETARDED LONGITUDINAL DISPERSION COEF. (M**2/HR) ..	0.3667E-02
RETARDED LATERAL DISPERSION COEFFICIENT (M**2/HR) .	0.2029E-04
RETARDED VERTICAL DISPERSION COEFFICIENT (M**2/HR).	0.2029E-04

DISTRIBUTION OF DISSOLVED CHEMICALS IN PPM AT 0.0000E+00 HRS
 (ADSORBED CHEMICAL CONC. = 0.1150E-02 * DISSOLVED CHEMICAL CONC.)

Z =	0.00									
					X					
Y	0.	5.	10.	15.	20.	30.	50.	183.	366.	
0.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

DISTRIBUTION OF DISSOLVED CHEMICALS IN PPM AT 0.8030E+04 HRS
 (ADSORBED CHEMICAL CONC. = 0.1150E-02 * DISSOLVED CHEMICAL CONC.)

Z =	0.00									
					X					
Y	0.	5.	10.	15.	20.	30.	50.	183.	366.	
0.	0.113E+01	0.152E+00	0.123E-01	0.112E-02	0.101E-03	0.557E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00

DISTRIBUTION OF DISSOLVED CHEMICALS IN PPM AT 0.1679E+05 HRS
 (ADSORBED CHEMICAL CONC. = 0.1150E-02 * DISSOLVED CHEMICAL CONC.)

Z =	0.00									
					X					
Y	0.	5.	10.	15.	20.	30.	50.	183.	366.	
0.	0.113E+01	0.152E+00	0.124E-01	0.116E-02	0.113E-03	0.116E-05	0.118E-09	0.000E+00	0.000E+00	0.000E+00

DISTRIBUTION OF DISSOLVED CHEMICALS IN PPM AT 0.2555E+05 HRS
(ADSORBED CHEMICAL CONC. = 0.1150E-02 * DISSOLVED CHEMICAL CONC.)

Z =	0.00									
					X					
Y	0.	5.	10.	15.	20.	30.	50.	183.	366.	
0.	0.113E+01	0.152E+00	0.124E-01	0.116E-02	0.113E-03	0.116E-05	0.132E-09	0.000E+00	0.000E+00	

STEADY STATE SOLUTION HAS BEEN OBTAINED BEFORE FINAL SIMULATING TIME

DISTRIBUTION OF DISSOLVED CHEMICALS IN PPM AT 0.3431E+05 HRS
(ADSORBED CHEMICAL CONC. = 0.1150E-02 * DISSOLVED CHEMICAL CONC.)

Z =	0.00									
					X					
Y	0.	5.	10.	15.	20.	30.	50.	183.	366.	
0.	0.113E+01	0.152E+00	0.124E-01	0.116E-02	0.113E-03	0.116E-05	0.132E-09	0.000E+00	0.000E+00	

APPENDIX I

HUMAN HEALTH RISK ASSESSMENT METHODOLOGY

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HUMAN HEALTH RISK ASSESSMENT METHODOLOGY

This appendix presents the technical approach used to estimate risk to human health for SWMU 1, South Central Landfill. A human health risk assessment has five components:

- identification of baseline human health risk assessment (BHHRA) chemicals of potential concern (COPCs),
- exposure assessment,
- toxicity assessment,
- risk characterization, and
- uncertainties assessment.

If chemicals were identified at a site that presented a potential risk to human health, remedial goal objectives were calculated for those chemicals.

I.1 IDENTIFICATION OF CHEMICALS OF POTENTIAL CONCERN

The objective of this evaluation is to identify site-related chemicals (SRCs) that may pose a potentially significant risk to human health. The selection of SRCs and the screening of these chemicals to identify human health COPCs have previously been addressed in Section 6.0 (Contaminant Fate and Transport), Section 7.0 (Human Health Preliminary Risk Evaluation), and Section 9.1 of the BHHRA; therefore, they will not be discussed in this section.

I.2 EXPOSURE ASSESSMENT

The exposure assessment quantifies the amount of a COPC an individual may come in contact with at each site. The exposure assessment considers all pathways of potential human exposure, the magnitude of the exposure, and the frequency and duration of exposure. The process for estimating exposure consists of the following elements: (1) characterization of the exposure setting in terms of the physical and demographic characteristics of the site, (2) identification of receptor populations, (3) identification of the exposure pathways by which an individual may come in contact with a COPC, (4) estimation of the exposure point concentration, and (5) quantification of the intake or dose to which an individual is exposed.

I.2.1 Exposure Setting

The exposure setting describes the physical features at the site and identifies the human populations that may be exposed to COPCs, either currently or in the future.

Fort Stewart is under the control of the U.S. Army as an active facility and is expected to remain so for the foreseeable future. Currently, the Installation is relatively open to the public, except for certain restricted areas. The landfill is located within a currently operating military area.

The active landfill consist of consists of a closed section which is currently covered and maintained with grasses for erosion control. The remaining portion is being used for tumulus refuse disposal operations and disposal of demolition/construction debris (non-putrescible waste).

The old, inactive landfill is covered primarily with forests. There is a small maintenance area for groundskeeping equipment located on the southern portion of the landfill and a recreational field located in the southeastern corner.

The South Central Landfill is bounded on the north by Taylors Creek and on the west by Mill Creek, a tributary of Taylors Creek (Figure 3-1). Taylors Creek is approximately 1,200 feet from the northern boundary of the old, inactive landfill, while Mill Creek is approximately 4,000 feet southwest of the old, inactive landfill. Wetland areas are located along Mill and Taylors Creeks. The old, inactive landfill is bordered by an active landfill to the west. A small wetlands area is located between the active landfill and the old, inactive landfill. There is a 2-acre pond located to the south of the landfill. The remaining areas south of the landfill are either active military or forested.

At this time, there are no long-range plans (i.e., through 2020) to construct any facilities on the inactive portions of SWMU 1.

I.2.2 Identification of Migration Pathways

The release and migration of contaminants at this site have been discussed in detail in Section 6.3.2 (Contaminant Release Mechanisms and Migration Pathways) of this report. Constituents in groundwater may be transported laterally toward Mill and Taylors Creeks, with the predominant gradient toward the north toward Taylors Creek. In addition, there is a drainage ditch located between Taylors Creek and the old, inactive landfill. Groundwater may discharge to this ditch, especially when rain events, etc. occur, resulting in elevated groundwater conditions.

The drainage ditch, which originates between the old, inactive landfill and the active landfill, is approximately 600 feet from the northern boundary of the old, inactive landfill. The ditch parallels the boundary of the landfill for approximately 500 feet and then continues 1,300 feet to the northwest, emptying into Taylors Creek. The drainage ditch is ephemeral along the reach from its origin to the beginning of the section that parallels the landfill boundary. The remaining portion has water on a year-round basis. Groundwater discharging into the drainage ditch would feed into Taylors Creek.

It is recognized that groundwater flow is very slow (0.0086 foot/foot), and it was estimated that groundwater underlying the site would take 94 years to migrate to Taylors Creek. Therefore, it is unlikely that constituents would migrate to Taylors Creek at significant concentrations. However, given that this migration pathway does exist, it will be assessed as part of the BHHRA.

I.2.3 Identification of Receptor Populations

Potential receptor populations are generally divided into two groups: current receptors and receptors that may be exposed in the future given a change in land use at the site. Potential risk to human receptor populations may occur as a result of exposure to groundwater. Currently surficial groundwater at the site is not used. In addition, constituents present in groundwater are not likely to migrate to surface waters. Therefore, under the current conditions there are no potential receptor populations that may be exposed to constituents in groundwater.

Future populations may be at risk if the groundwater in the surficial aquifer is used as a source of drinking water or for other purposes. However, it is unlikely that a receptor would be exposed to groundwater given that the surficial aquifer is not a likely source of groundwater because of its low groundwater yield, especially within the vicinity of a landfill. The surficial layer of FSMR may range from 5 feet to 140 feet (Figure 4-2); however, in the vicinity of SWMU 1 the surficial layer ranges from 5 feet to approximately 45 feet bgs (Figure 5-4). The deeper Principal Artesian aquifer, located approximately 115 feet bgs, is used as a source of drinking water in the area because it has a greater groundwater yield. This Principal Artesian aquifer is separated from the surficial aquifer by a confining layer of phosphatic clays ranging from 60 to 80 feet in thickness.

The Georgia Environmental Protection Division (GEPD) states that all groundwater should be considered a potential drinking water source (GEPD 1996). Therefore, the risk associated with use of groundwater as a drinking water source will be addressed. Land use in the area is restricted to industrial/military operations south of the site. Therefore, an Installation worker is the only likely receptor population. However, residential receptors will be evaluated for comparative purposes.

I.2.4 Identification of Potential Exposure Pathways

A complete exposure pathway consists of four elements: (1) a source of contamination, (2) a transport or retention medium, (3) a point of contact with the chemical, and (4) a route of exposure (ingestion, dermal absorption, or inhalation) at the point of contact through which the chemical may be taken into the body. When all of these elements are present, the pathway is considered complete.

On-Site Installation Worker. Under future conditions, an on-site worker could be exposed to groundwater. Potential exposure pathways include ingestion of drinking water and dermal contact. Another potential exposure pathway is inhalation of volatile organic compounds (VOCs) that volatilize from the groundwater. However exposure via this pathways is not expected to be significant. VOCs in groundwater would volatilize into the air when the worker is washing his hands, etc. However, given that the chemicals are being released into an open area (as compared to a small, enclosed area such as a shower stall), the large volume of ambient air would rapidly dilute the concentration of the chemicals. Therefore, exposure via this pathway is likely to be negligible and was not quantified in the BHHRA. For the purposes of the on-site worker, it is assumed that the worker spends all of his time working in the area and that his drinking water in the area is obtained from the groundwater underlying the site.

On-Site Resident. Although not a likely receptor for this site, the on-site resident is included as a worst-case scenario for exposure to groundwater. This scenario assumes that a family lives on the site and obtains its drinking water from a groundwater well screened in the surficial aquifer. This scenario uses both an adult and a child receptor. The adult is used as the more conservative scenario for estimating potential cancer risks given the longer exposure duration for an adult. The child is used to evaluate potential risks associated with systemic risks given the child's lower body weight and relatively higher water ingestion rate per unit body weight.

Potential exposure pathways include ingestion of groundwater used as drinking water, dermal contact with household water, and inhalation of VOCs released during use of household water. The exposure pathways evaluated for an adult include ingestion and inhalation of VOCs. Inhalation of VOCs during household use of water is evaluated only for showering because both the receptor and vapors from hot water are confined in a relatively small and closed space, which probably represents the upper bound on inhalation exposure. Other household uses of water occur

in more open areas where vapors are likely to be diluted in a larger quantity of ambient air. Exposure via dermal uptake is not considered to be significant given the relatively short exposure period (15 minutes or fewer). Dermal absorption of chemicals is a time-dependent factor given that the chemical exposure is not an internal dose but an application to the skin's surface and must be absorbed into the skin during a given time period. Exposure to organics is further complicated by the fact that the lipids in the stratum corneum (outer layer of skin) act as a sink preventing organics from diffusing deeper into the skin where the chemical can enter the blood stream. Therefore, absorption is significantly reduced until the skin becomes saturated and a steady-state condition is achieved (i.e., a condition in which the chemical is released from the lipids at the same rate it is adsorbed). Therefore, dermal absorption of organics is likely to be negligible given the short exposure period. Dermal uptake of metals are often an order of magnitude less than those of most organic compounds. Therefore, dermal uptake of metals is also likely to be negligible.

The exposure pathways evaluated for the child resident include ingestion of water and dermal uptake. Young children are more likely to bathe than shower; therefore, inhalation exposure to VOCs released from household use of groundwater is not evaluated for the child receptor. However, dermal uptake of organic chemicals is quantified. It is assumed that dermal uptake of metals from household water is negligible; therefore, it is not quantified.

Juvenile Wading in Taylors Creek. Children playing in Taylors Creek may be exposed to constituents in surface waters while wading. The depth of Taylors Creek and poor accessibility in the area of SWMU 1 would limit recreational activities to wading. Surface water exposure pathways for a wading scenario include dermal contact, incidental ingestion of water, and inhalation of VOCs. However, dermal uptake is the only exposure pathway that is likely to result in significant exposure. Incidental ingestion of surface water is not considered to be a viable exposure pathway given that the child is not swimming in the water; therefore, potential water ingestion would be limited to sporadic incidences when water was splashed onto the child's face. Therefore, the amount of water ingested would be negligible. Inhalation of VOCs released from groundwater discharging into the creek would be negligible given the low air concentrations. Once the VOCs volatilized, they would be rapidly diluted into the large amount of ambient air, as well as by air currents, etc. Therefore, exposure via this pathway would be negligible.

Off-Site Installation Worker and Resident. The potential exposure pathways for the off-site Installation worker and resident would be the same as those described for the on-site receptors. It is assumed that the off-site receptors would be exposed to constituents present in groundwater downgradient of the site, in the area most likely to be impacted by off-site migration.

1.2.5 Estimation of Exposure Concentration

This BHHRA is based on a reasonable maximum exposure assumption. The intent is to provide an estimate of the highest exposure concentration with which a receptor may reasonably be expected to come in contact, but not necessarily the worst possible case (EPA 1989; EPA 1991). Exposure concentrations were estimated for on-site and off-site receptors based on future land-use scenarios.

Exposure Concentrations for On-Site Receptors. On-site receptors may be exposed to COPCs in groundwater. Exposure concentrations in groundwater were calculated using the groundwater analytical data collected during the Phase II RFI, with the exception of samples from SC-M15 and SC-M16. These wells are located upgradient of the site; therefore, samples from these wells are not representative of groundwater impacted by the site and were not considered in the BHHRA.

The exposure point concentrations for groundwater are equal to the upper 95 percent confidence limit on the mean [upper confidence limit (UCL)], unless this value is greater than the maximum detected groundwater concentration. Then, the exposure concentration defaults to the maximum groundwater concentration. The data sets were tested for normality and lognormality based on the Shapiro-Wilkes test, using the software package SAS, to determine the type of distribution that best fits the data, and the UCLs were calculated accordingly. Some chemicals were not detected in all of the groundwater samples. When a compound was not detected in all of the groundwater samples, the detected values were used in combination with one-half of the sample quantitation limit for nondetected values to calculate the exposure concentrations. If a chemical was detected in fewer than 50 percent of the samples or in fewer than three samples, the data were considered to be insufficient for the purposes of determining the type of distribution. For the purposes of this risk assessment, it was assumed that the data were normally distributed. A summary of the analytical data and an analysis of their distribution are given in Table I-1.

The chemical concentration in air as a result of volatilization during showering was estimated by multiplying the exposure point concentration in groundwater by a volatilization factor of 0.5 (EPA 1992).

Exposure concentrations resulting from constituents leaching into groundwater were estimated using the Seasonal Soil Compartment Model (SESOL) model. As a conservative measure, the maximum detected soil concentration was used as the source concentration in the SESOL model. It should be noted that methylene chloride was detected in only seven of the 25 soil samples collected at the site. A detailed discussion of the assumptions and modeling procedures are given in Section H.1 of Appendix H.

Exposure Concentrations for Off-Site Receptors. For the purposes of assessing the reasonable maximum exposure for off-site receptors, it was assumed that the receptors would be exposed to groundwater downgradient of the site, in the area of maximum off-site groundwater concentrations. The predominant groundwater flow at SWMU 1 is north toward Taylors Creek. Groundwater flow in that direction is likely to discharge either into Taylors Creek, 1,200 feet north of the site, or into a drainage ditch located approximately 600 feet north of the site.

This area of potential maximum off-site groundwater contamination is a marshy floodplain. Therefore, buildings would not be constructed in this area. The closest location to the landfill would be north of Taylors Creek. However, groundwater from the landfill is likely to be intercepted by Taylors Creek. Therefore, it was assumed that the exposure concentrations for the off-site Installation worker and off-site resident would be equal to the groundwater COPC concentration at Taylors Creek. This is a very conservative assumption but was chosen to meet GEPR requirements that risk to an off-site residential receptor be quantified and evaluated.

Groundwater concentrations of COPCs were calculated using AT123D groundwater model. As a conservative measure, it was assumed that the maximum groundwater concentration existed at a point (SC-MW12) along the northern boundary of the landfill. It should be noted that none of the COPCs were detected in either the monitoring well or the nearby Geoprobe sample (GP-13). The estimated maximum concentration of methylene chloride in groundwater resulting from leaching was also used as a source point concentration. These initial concentrations were used in the AT123D groundwater model to estimate the groundwater concentrations at a point 1,200 feet directly north of the landfill. This point would correspond with the location of Taylors Creek north of SC-MW12. A discussion of assumptions used in the model is given in Section I.2.

Table I-1. Estimation of the Exposure Concentrations for On-Site Receptors

Chemical	Units	Frequency of Detection	Distribution	Minimum Detect	Maximum Detect	Mean	95% UCL of Mean	Exposure Concentration
<i>Organics</i>								
Acetone	µg/L	11/30	D	15.10	1,140.00	80.00	151.00	151.00
Benzene	µg/L	3/48	D	0.23	2.50	1.38	1.55	1.55
Bis(2-ethylhexyl)phthalate	µg/L	8/19	D	0.53	61.40	7.39	12.60	12.60
1,2-cis-Dichloroethene	µg/L	9/44	D	0.40	21.00	2.53	3.28	3.28
Trichloroethene	µg/L	3/48	D	0.35	5.40	2.19	2.40	2.40
<i>Inorganics</i>								
Chromium	µg/L	7/19	D	0.71	11.60	2.94	4.29	4.29
Lead	µg/L	15/19	L	0.12	18.40	2.89	28.60	18.40

D = Distribution not determined because <50 percent detected or fewer than three detects.

L = Lognormal distribution

For the purposes of this risk assessment, it was assumed that the child wading in the creek was exposed to groundwater COPCs at the point closest to the landfill, which would be the water present in the drainage ditch. As was previously discussed, the AT123D groundwater model was used to estimate groundwater concentrations at the point of exposure based on the maximum detected groundwater concentrations or the maximum estimated groundwater concentrations based on leachate modeling. A discussion of assumptions used in the model is given in Section H.2 of Appendix H.

I.2.6 Estimation of Intake and Dose

The quantification of exposure of receptors to COPCs involves estimating the amount of contaminant that is taken into the body via various routes of exposure. This section describes the models used to quantify doses or intakes of the COPC by the exposure pathways previously identified. Some of the identified receptor populations (i.e., the off-site receptors) are not exposed to significant concentrations of COPCs in groundwater; therefore, estimated intakes were not calculated for these receptors. These receptor populations are not addressed below.

The potential intakes represent the reasonable maximum for each defined receptor population. Most of the exposure factors used in the risk assessment represent the upper bounds or conservative values. Some physiological variables (e.g., body weight and skin surface area) are the mean values. These are used because these physiological variables often compensate for other physiological factors; therefore, the actual exposure dose remains equal. For example, a person with a large skin surface area is also likely to have a higher than average weight. Therefore, the estimated dose (mg/kg) is likely to average out over the range of values for these parameters. However, these physiological variables are used in conjunction with other upper-bound estimates and values. The conservatism used in deriving individual variables ensures that the exposure estimates represent upper-bound values on the potential range of exposures. The values used for the intake variables are given in Table I-2.

I.2.7 Estimated Intakes and Doses from Groundwater

Potential exposure pathways for groundwater include incidental ingestion, inhalation of VOCs, and dermal contact. The equations used to estimate potential intakes and doses from these exposure pathways are discussed below.

Ingestion of COPCs in Groundwater. Ingestion of groundwater is quantified by the following equation:

$$I_w = \frac{(C_w)(IR_w)(FI_w)(EF_T)(ED)}{(BW)(AT)},$$

where

- I_w = ingested intake of COPC in drinking water (mg/kg-day),
- C_w = concentration of COPC in drinking water (mg/L),
- IR_w = drinking water ingestion rate (L/day),
- FI_w = fraction of exposure attributed to site medium (unitless),
- EF_T = exposure frequency (days/year),
- ED = exposure duration (years),
- BW = body weight (kg), and
- AT = averaging time (days).

Table I-2. Parameters Used to Quantify Exposures for Groundwater, SWMU 1

Parameter	Units	Installation Worker	Resident Adult	Resident Child
<i>Drinking Water Ingestion</i>				
Drinking Water Ingestion	L/day	1	2	1
Fraction Ingested from Area	unitless	1	1	1
Exposure Frequency	days/year	26	350	350
Exposure Duration	years	25	30	6
Body Weight	kg	70	70	15
Carcinogen Averaging Time	days	25,550	2,550	NA
Noncarcinogen Averaging Time	days	9,125	10,950	2,190
<i>Dermal Contact</i>				
Skin Area	m ²	0.41	NA	0.170
Exposure Time	hours/day	1	NA	0.25
Exposure Frequency	days/year	26	NA	350
Exposure Duration	years	25	NA	6
Body Weight	kg	70	NA	15
Carcinogen Averaging Time	days	25,550	NA	NA
Noncarcinogen Averaging Time	days	9,125	NA	2,190

NA = Not applicable.

Inhalation of VOCs Released from Groundwater. Exposure to VOCs in groundwater is likely to occur during showering. The adult resident is the only receptor population who is likely to shower using groundwater from the surficial aquifer, assuming that groundwater is used as a source of potable water. Children are more likely to take baths than showers; therefore, their exposure is expected to be minimal. Exposure of Installation workers is also likely to be minimal given the dilution of vapors into a large area. The inhalation dose of COPC is estimated using the following equation:

$$INH_w = \frac{(C_w)(IR_a)(K)(EF_T)(ED)}{(BW)(AT)},$$

where

- INH_w = intake of COPC via inhalation (mg/kg-day),
- C_w = concentration of COPC in groundwater (mg/L),
- IR_a = daily indoor inhalation rate (m³/day),
- K = volatilization factor (L/m³),
- EF_T = exposure frequency (days/year),
- ED = exposure duration (years),
- BW = body weight (kg), and
- AT = averaging time (days).

Dermal Contact with COPCs in Groundwater. The dermal dose is estimated as the dose that crosses the skin and is systemically absorbed. The dermal dose of COPC is estimated from the following equation:

$$DAD = \frac{(DA)(SAS)(EF_T)(ED)}{(BW)(AT)},$$

where

- DAD = average dermally absorbed dose of the COPC (mg/kg-day, calculated),
- DA = dose absorbed per unit body surface area per day (mg/cm²-day),
- SAS = surface area of the skin available for contact with contaminated medium (cm²),
- EF_T = exposure frequency (days/year),
- ED = exposure duration (years),
- BW = body weight (kg), and
- AT = averaging time (days).

Quantification of dermal uptake of metals and organic chemicals from groundwater is relevant for the Installation worker, a child wading in Taylors Creek, and the child resident. Dermal uptake for the resident adult is not likely to be significant given the brief exposure time.

Quantification of dermal uptake of constituents from water depends on the permeability coefficient (PC), which describes the rate of movement of a constituent from water across the dermal barrier to the systemic circulation. For inorganic chemicals, the dose absorbed per unit body surface area per day is calculated from the following equation:

$$DA = (C_w)(PC)(ET_w)(CF),$$

where

- DA = dose absorbed per unit body surface area per day (mg/cm²-day, calculated),
- C_w = concentration of chemicals of concern in water (mg/L),
- PC = permeability coefficient (cm/hour),
- ET_w = time of exposure (hours/event), and
- CF = conversion factor (0.001 L/cm³).

The PC has been determined for very few inorganic compounds. For those inorganic compounds for which empirical data are not available, the U.S. Environmental Protection Agency (EPA) recommends a default of 10⁻³ cm/hour (EPA 1992).

The PC for organic chemicals varies by several orders of magnitude (EPA 1992). The PC for organic chemicals is highly dependent on lipophilicity, expressed as a function of the octanol/water partition coefficient (K_{ow}). When possible, values for PC were taken from EPA 1992. If PC values for organics were not available, they were calculated from the following formula:

$$\log(PC) = 2.72 + 0.71(\log K_{ow}) - 0.0061(MW),$$

where

PC = permeability coefficient (cm/hour, calculated),
K_{ow} = octanol/water partition coefficient (unitless), and
MW = molecular weight.

I.3 TOXICITY ASSESSMENT

To understand the potential human health risk associated with a potentially hazardous chemical, information on chemical-specific toxicity is required. Toxicity information is used in conjunction with the results of the exposure assessment to characterize potential human health risks. The toxic mechanisms for chemicals are divided into two categories—carcinogenicity and systemic toxicity.

I.3.1 Assessment of Chemical Carcinogens

Although few chemicals are known human carcinogens, many chemicals are suspected of being human carcinogens based on the results of animal studies. The evaluation of the potential carcinogenicity of a chemical includes both a qualitative and a quantitative aspect (EPA 1989). The qualitative aspect is a weight-of-evidence evaluation of likelihood that a chemical might induce cancer in humans. EPA recognizes six weight-of-evidence group classifications for carcinogenicity:

- **Group A – Human Carcinogen.** Data for humans are sufficient to identify the chemical as a human carcinogen.
- **Group B1 – Probable Human Carcinogen.** Human data indicate a causal association is credible, but alternative explanations cannot be dismissed.
- **Group B2 – Probable Human Carcinogen.** Human data are insufficient to support a causal association, but testing data support a causal association in animals.
- **Group C – Possible Human Carcinogen.** Human data are inadequate or lacking, but animal data suggest a causal association, although the studies have deficiencies that limit interpretation.
- **Group D – Not Classifiable as to Human Carcinogenicity.** Human and animal data are lacking or inadequate.
- **Group E – Evidence of Noncarcinogenicity to Humans.** Data for humans show negative results or are lacking, and adequate animal data indicate no association with cancer.

The quantitative evaluation is an estimate of carcinogenic potency. Potency estimates are developed only for chemicals in Groups A, B1, B2, and C. The potency estimates are statistically derived from the dose-response curve from the best human or animal study or studies available for a given chemical. In the case of animal studies, pharmacokinetic data or principles are used to estimate an equivalent human dose. The potency estimates are referred to as the cancer slope factors (CSFs) and are expressed as risk per unit dose (per mg/kg-day). In order to be appropriately conservative, the CSF is usually the 95 percent upper bound on the slope of the

dose-response curve extrapolated from high (experimental) doses to the low-dose range expected in environmental exposure scenarios. It is assumed that there is no threshold for carcinogens (e.g., a dose below which exposure is safe), and therefore, any exposure represents some quantifiable risk. The discussion of chemical carcinogenicity includes EPA's classification of carcinogenicity. The CSFs used in evaluating the carcinogenic risks associated with exposure to the COPCs were obtained from the Integrated Risk Information Service (IRIS) computer database or the Health Effects Assessment Summary Tables (HEAST) (EPA 1999; EPA 1998).

The potential incremental lifetime cancer risks (ILCRs) for inhalation are estimated by multiplying the concentration by the inhalation unit risk factors [i.e., value per ($\mu\text{g}/\text{m}^3$)]. This value is converted to a CSF [i.e., value per ($\text{mg}/\text{kg}\cdot\text{day}$)] by dividing the unit risk factor by the average respiration rate of an adult ($20 \text{ m}^3/\text{day}$) and multiplying it by the average weight (70 kg) and then by 1,000 to convert micrograms to milligrams.

I.3.2 Noncancer Effects

Many chemicals pose a potential risk of a health effect other than cancer. The range of potential noncancer effects is great (e.g., ranging from liver damage to dental fluorosis). The evaluation of noncancer effects (EPA 1989) involves the following points:

- Identification of the critical effect (or threshold effect) for each duration of exposure [i.e., the adverse effect that occurs at the lowest dose (e.g., if liver damage occurs at $20 \text{ mg}/\text{kg}\cdot\text{day}$, and mortality occurs at $100 \text{ mg}/\text{kg}\cdot\text{day}$, liver damage is the critical effect].
- Quantification of the threshold dose for the critical effect for each duration of exposure (i.e., the dose at or above which the effect occurs and below which the effect does not occur).
- Development of an uncertainty factor (i.e., quantification of the uncertainty associated with interspecies extrapolation, intraspecies variation in sensitivity, severity of the critical effect and slope of the dose-response curve, and deficiencies in the database) in regard to developing a reference dose (RfD) for human exposure.
- Identification of the target organ(s) for the critical effect for each route of exposure.

The information described above is used to derive RfDs, expressed as $\text{mg}/\text{kg}\cdot\text{day}$, which are considered to be the maximum doses to humans at which adverse effects are not expected to occur. Because it is assumed that there is a threshold (e.g., a safe dose for noncarcinogens), the RfD is a nonprobabilistic expression of the likelihood that an adverse effect might occur. RfDs are derived separately for oral and inhalation exposure pathways because of possible differences in the rate of absorption, target organs, and mechanisms of toxicity.

The inhalation RfD is generally expressed as the reference concentration (i.e., that concentration of a chemical in air that is not likely to have an adverse effect upon human receptors). The reference concentration is converted to an RfD by multiplying the reference concentration (in $\mu\text{g}/\text{m}^3$) by the average respiration rate of an adult ($20 \text{ m}^3/\text{day}$) and dividing by the average weight (70 kg). The final RfD value is converted from micrograms to milligrams by dividing by 1,000.

For the purposes of this risk assessment, a chronic exposure is defined as an exposure equal to or greater than 7 years. The child resident has a subchronic exposure (i.e., 6 years). As a

conservative measure, the chronic RfDs will be used to evaluate the potential adverse health effects associated with exposure to chemicals at this site.

The RfDs used in evaluating the noncarcinogenic risks associated with the exposure to the COPCs were obtained from the IRIS computer database or HEAST (EPA 1999; EPA 1998).

Evaluation of Lead. No suitable dose-response values exist for assessing the risks associated with exposure to lead in groundwater via any of the three identified exposure pathways. EPA has developed the Integrated Exposure Uptake Biokinetic Model (version 0.99D), which is used to estimate blood-levels in children 0 to 7 years old following exposure to lead in various environmental media. EPA has identified a blood level of 10 µg/dL as a concentration of concern that should be avoided (EPA 1994). Because children are the most sensitive receptors, blood-lead levels are calculated for children (Davidson 1994). If the blood-lead levels for children are less than 10 µg/dL, it can be inferred that there is no substantial risk for older receptors.

I.3.3 Dermal Evaluation of Chemicals

Dermal RfD and slope factor (SF) values were derived from the corresponding oral values. In the derivation of a dermal RfD, the oral RfD was multiplied by the gastrointestinal absorption factor (GAF), expressed as a unitless fraction. The resulting dermal RfD is an RfD based on absorbed dose, which is the appropriate value with which to compare dermal doses because dermal doses are expressed as absorbed rather than exposure doses. In a similar manner, and for the same reasons, a dermal SF is derived by dividing the oral CSF by the GAF.

Not all COPCs have specific GAF values. When quantitative data are insufficient, a default GAF is used. EPA (1995) recommends a GAF of 0.8 for VOCs, 0.5 for semivolatile organic compounds, and 0.2 for inorganic chemicals.

I.4 RISK CHARACTERIZATION

Risk characterization is the final step in the BHHRA. Exposure and toxicity information are integrated to qualitatively or quantitatively evaluate the potential health risks associated with exposure to COPCs at each site. Quantitative estimates of both carcinogenic and noncarcinogenic risks were calculated for each COPC and each potentially complete exposure pathway. The potential carcinogenic risk for the resident adult was greater than the risk for the child because of the adult's longer exposure period (30 years as compared to 6 years for the resident child). However, the resident child has a greater potential risk from systemic toxicity because a child has a higher exposure rate relative to the body weight. For the purposes of this risk assessment, the carcinogenic and noncarcinogenic risks were calculated for the adult resident. The risk characterization for the resident child was limited to noncarcinogenic risk estimates.

As part of the risk analysis, the potential concentration of selected COPCs in groundwater resulting from contaminants leaching from soils was modeled. This analysis was done to evaluate whether contaminant concentrations in soils present a potential future risk to receptor populations using groundwater as a drinking water source.

I.4.1 Methodology for Carcinogens

The risk attributed to exposure to chemical carcinogens is estimated as the probability of an individual developing cancer over a lifetime as a result of exposure to a potential carcinogen. At low doses, the risk of developing cancer is determined as follows (EPA 1989):

$$Risk = (CDI)(SF) ,$$

where

Risk = risk of cancer incidence, expressed as a unitless probability,
 CDI = chronic daily intake averaged over 70 years (mg/kg-day), and
 SF = slope factor (mg/kg-day)⁻¹.

For a given pathway with simultaneous exposure of a receptor to several carcinogens, the following equation will be used to sum cancer risks:

$$Risk_{\tau} = Risk(chem_1) + Risk(chem_2) + ...Risk(chem_i) ,$$

where

Risk_τ = total risk of cancer incidence and
 chem_i = individual carcinogenic chemical.

The target value for the total site ILCR is 1×10^{-6} (GEPD 1996). Any chemical that contributes significantly to the total risk associated with a site (i.e., a total ILCR for all exposure pathways that is greater than 1×10^{-6}) will be identified as a chemical of concern (COC).

I.4.2 Methodology for Noncarcinogens

The risks associated with the effects of noncarcinogenic hazardous chemicals are evaluated by comparing an exposure level or intake to an RfD. The ratio of intake over the RfD is termed the hazard quotient (HQ) (EPA 1989) and is defined as:

$$HQ = I/RfD ,$$

where

HQ = hazard quotient (unitless),
 I = intake of a chemical (mg/kg-day), and
 RfD = reference dose (mg/kg-day).

When using this equation to estimate potential risk, both the intake and the RfD must refer to exposures of equivalent duration (i.e., subchronic, chronic, or less than 2 weeks). Chemical exposures are evaluated on a chronic basis in all cases, using chronic RfD values.

This approach is different from the probabilistic approach used to evaluate carcinogens. An HQ of 0.01 does not imply a 1-in-100 chance of an adverse effect, but indicates only that the estimated intake is 100 times less than the RfD. An HQ of unity (1) indicates that the exposure intake is equal to the RfD. If the HQ is greater than 1 or above unity, there may be concern for potential health effects.

In the case of simultaneous exposure of a receptor to several chemicals, a hazard index (HI) will be calculated as the sum of the HQs by:

$$HI = I_1/RfD_1 + I_2/RfD_2 + \dots I_i/RfD_i ,$$

where

I_i = intake for the i^{th} toxicant, where $i = 1, 2, 3 \dots$ and
 RfD_i = reference dose for the i^{th} toxicant, where $i = 1, 2, 3 \dots$

HIs are determined by assuming dose additivity for those chemicals acting by the same mechanism and inducing the same effects (EPA 1989). Initially all of the chemicals are assumed to have the same mechanism of toxicity. If the HI is below 1, then the target-organ-specific HIs will also be below 1.0. If the HI exceeds 1.0, then HIs are calculated for each target organ. This approach will provide a more accurate estimation of the potential systemic toxicity associated with exposure to the chemical mixture. Given that all of the HIs were less than 1.0, organ-specific HIs were not calculated.

1.5 UNCERTAINTY

There are uncertainties associated with all phases of the BHHRA, including collection and laboratory analysis of the samples, exposure assessment, toxicity assessment, and risk characterization. For the purposes of this report, the uncertainties are presented in Table I-3 and are discussed in the following narrative.

1.5.1 Uncertainties Associated with the Collection and Analysis of Samples

Uncertainties associated with the collection and laboratory analysis of the sampling data may impact the results of the selection process. These uncertainties result from the potential for contamination of samples during collection, preparation, or analysis and from normal error in the analytical techniques. These uncertainties are minimized by the laboratory validation process. Additional uncertainties are present in the selection process for COPCs. Procedures used for the selection of COPCs are consistent with current EPA guidance (1989)

The use of blank contamination data also contributes uncertainty to the analysis. Common laboratory contaminants may be excluded from the risk assessment because the associated blank samples were contaminated when these chemicals were actually present in the site-related samples. Conversely, a chemical may be included in the risk assessment because its corresponding blank was “clean” when, in fact, the chemical was a result of laboratory contamination. Site activities and the chemicals expected to result from these activities must be considered when interpreting the results. The data screening process would minimize the uncertainty associated with blank contamination.

Uncertainties are inherent in comparison to background because there can be large variations in background concentrations. For the purposes of this risk assessment, background values obtained from other areas of Fort Stewart were used for background screening. There can be significant variations in groundwater as a result of variations in the types of soils present.

Table I-3. Potential Sources of Uncertainty in Human Health Risk Assessment

Potential Source	Effect	Justification
<i>Uncertainty Associated with Collection and Analysis of Samples</i>		
Evaluation of laboratory contamination	Unknown	Potential exists for both false "negatives" and false "positives."
Comparison to background	Unknown	Quality of background data set impacts selection of COPCs.
<i>Uncertainties Associated with Exposure Assessment</i>		
Likelihood of exposure pathways	Overestimate	Future pathways may not actually occur.
Exposure assumptions (e.g., frequency, duration)	Overestimate	Parameters selected are conservative estimates of exposure.
Degradation of chemicals not considered	Overestimate	Risk estimates are based on recent chemical concentrations. Concentrations will tend to decrease over time as a result of degradation.
Use of maximum detected concentration as the source concentration when using transport models	Overestimate	By using the maximum concentration in environmental fate models, the overall site risk may be overestimated.
<i>Uncertainties Associated with Toxicity Assessment</i>		
Extrapolation of animal toxicity data to humans	Unknown, probably overestimate	Animals and humans differ with respect to absorption, metabolism, distribution, and excretion of a chemical. The magnitude and direction of the difference will vary with each chemical. Animal studies typically involve high-dose exposures, whereas humans are exposed to low doses in the environment.
Use of uncertainty factors in the derivation of reference doses	Unknown	Ten-fold uncertainty factors are incorporated to account for various sources of uncertainty. Although some data seem to support the ten-fold factor, its selection is somewhat arbitrary.
Use of a linearized, multistage model to derive cancer slope factors	Overestimate	Model assumes a nonthreshold, linear-at-low-dose relationship for carcinogens. Many compounds induce cancer by nongenotoxic mechanisms. Model results in a 95 percent upper confidence limit of the cancer risk. The true risk is unlikely to be higher and may be as low as zero.
Use of chronic RfDs to evaluate subchronic exposures	Overestimate	Although some chemicals have the same chronic and subchronic RfDs, many do not. The subchronic RfD can be an order of magnitude lower than the chronic RfD.

Table I-3. Potential Sources of Uncertainty in Human Health Risk Assessment (continued)

Potential source	Effect	Justification
<i>Uncertainties in Risk Characterization</i>		
Summarization of effects (cancer risks and hazard indices) from multiple substances	Unknown	The assumption that effects are additive ignores potential synergistic and/or antagonistic effects. Assumes similarity in mechanism of action, which is not the case for many substances. Compounds may induce tumors or other toxic effects in different organs or systems.
No evaluation of contaminants lacking toxicity data	Underestimate	Certain contaminants were evaluated only qualitatively and may contribute to overall site risks.
Multiple conservative assumptions	Overestimate	Cumulative impact of multiple conservative assumptions may yield high risk to receptors.

Source: EPA 1989.

COPCs = Contaminants of potential concern.

RfD = Reference dose.

Uncertainty is associated with the criteria used for the selection of COPCs. Uncertainties are inherent in development of screening values. The use of conservative assumptions when selecting the screening values coupled with the use of low toxicity assessment endpoints (i.e., the use of an HI of 0.1 and an ILCR of 1:1,000,000) ensures that those chemicals most likely to contribute significantly to potential risks are evaluated.

I.5.2 Uncertainty in Exposure Assessment

Three major types of uncertainties should be considered when reviewing the results of the exposure assessment: (1) uncertainties associated with predicting future land use, (2) uncertainties associated with estimating chemical concentrations at receptor locations, and (3) uncertainties associated with assumptions used in the exposure models.

For the purposes of this risk assessment, the most conservative land-use scenario (residential) was evaluated in addition to more realistic scenarios. The probability that SWMU 1 would be used for residential purposes or that the shallow aquifer underlying the site would be used for drinking water is extremely low. In addition, off-site receptors are not likely to be exposed at the points used in the BHHRA. These exposure points were selected because they represented the point of maximum exposure. The probability of a receptor being present at these points was not used as a criterion for selecting the potential exposure points.

The upper 95th percentile for the groundwater analytical data was used to estimate potential exposure. This value is used to provide an upper-bound estimate for the exposure concentrations for a current land-use scenario. However, these concentrations are likely to decrease over time as the organic compounds degrade and the amount of constituents present in source material decreases. The SESOIL leachate model estimates the concentration of a contaminant in leachate based on leaching from four soil horizons (i.e., the depth to groundwater may be divided into four horizons of equal thickness). For the purposes of estimating the leachate concentration, the maximum concentration of the constituent from each sampling depth was used for the purpose of estimating the groundwater concentrations. This is a conservative assumption given that the

maximum concentrations were not found in a single sample. The maximum values were used for the purposes of modeling to estimate potential exposure concentrations as a result of off-site migration. In addition, conservative assumptions were always used in the leachate and groundwater migration models. The use of the maximum values, in conjunction with conservative assumptions, will result in an overestimation of exposure concentrations.

Physiological values (e.g., body weight, inhalation rates) and behavioral values (e.g., average time spent in one place, amount of groundwater ingested) used to model the reasonable maximum exposure are a combination of average and upper-bound levels taken from reliable sources. The use of upper-bound estimates will tend to overestimate exposure for reasonable maximum exposure. Therefore, the range of potential risks is likely to be greater than the actual risks. This approach provides conservative, health-protective values for the risk assessment.

I.5.3 Uncertainty in Toxicity Assessment

The toxicological parameters used to quantify potential risk to a receptor include CSFs and RfDs. These values are often derived from laboratory animal studies. The overriding uncertainties associated with the use of laboratory animal studies are the following:

- the extrapolation of toxic effects observed at the high dose necessary to conduct animal studies to effects that might occur at the much lower, environmentally relevant doses and
- the extrapolation from toxic effects in animals to toxic effects in man (i.e., the potential for animal responses to differ from responses of man).

EPA has derived CSFs using a weight-of-evidence approach from studies in the scientific literature. The CSFs represent the upper 95 percent confidence limits on the slope of the dose response curve for carcinogenic responses. Because CSFs represent the near upper limits of the slope of the line, the use of the CSF is more likely to overestimate the actual risk than underestimate it.

Uncertainties also arise in the development of the RfDs used to characterize noncarcinogenic effects. These reference values are derived using studies in humans or animals by identifying the lowest-observed-adverse-effect level (LOAEL) or no-observed-adverse-effect level (NOAEL). Two basic types of uncertainty arise. The first is related to the extrapolation from toxic effects seen at a high dose to predict effects at the low dose usually encountered in the environment. The second involves extrapolation from effects in animals to effects in man. Each of these is offset by an uncertainty factor that is actually a product of as many as five separate factors, each intended to account for one type of uncertainty (EPA 1989). The LOAEL and NOAEL are divided by this composite uncertainty factor. The uncertainty factors usually range from 10 to 10,000. The five types of uncertainty (each representing an uncertainty factor of 5 to 10) included in the assignment of the uncertainty factor are the following:

- sensitive subpopulations in the general population,
- extrapolation from animals to humans,
- extrapolation from a subchronic study to a chronic estimate,
- extrapolation from a LOAEL to a NOAEL, and

- additional uncertainties in the critical study used in setting the RfD or reference concentration.

In addition, the absence of established toxicity criteria for some COPCs may result in an underestimation of risks.

I.5.4 Uncertainty in Risk Characterization

The risk characterization evaluates the potential risks associated with exposure to numerous chemicals via multiple pathways. There is uncertainty associated with exposure to chemical mixtures because chemicals may have synergistic or antagonistic effects on other chemicals. For the purposes of this risk assessment, it was assumed that all chemicals have additive toxicity and that the potential health effects would be equal to the sum of each of the individual chemical actions for chemicals that act upon the same target organ. This approach may result in the overestimation or underestimation of certain risks.

In general, sources of uncertainty may be categorized into site-specific factors (e.g., variability in analytical data, modeling results, and exposure parameter assumptions) and toxicity factors. The use of conservative assumptions in the risk assessment is believed to result in an overestimation of risk. Actual site risks are likely to be lower than the estimates presented in this report.

I.6 REMEDIAL LEVELS

Remedial levels are required for all constituents that contribute significantly to unacceptable cancer risk (total site ILCR greater than 1E-6) or noncancer health hazard (total site HI greater than 1). A significant contribution to cancer risk is defined as contributing an ILCR across all exposure pathways of greater than 1E-6 (GEPD 1996). A significant contribution to noncancer health hazard is an HI greater than 0.1 (GEDP 1996).

Remedial levels for groundwater may include both risk-based concentrations and regulatory levels such as MCLs. Given that MCLs take into consideration both human health and the limitations of technology to remove contaminants from water, these regulatory levels have been selected for remedial levels for groundwater.

The MCL for methylene chloride was used for target groundwater concentration. Based on this target groundwater concentration, the corresponding concentrations in soils were estimated based on the SESOIL model. This process is discussed further in Section H.1.

The target groundwater concentrations for methylene chloride were estimated using the following equation:

$$RL_{coc} = (EC_{coc} \times TR) / ILCR_{coc}$$

where

RL_{coc}	=	remedial level for a given COC,
EC_{coc}	=	exposure concentration of the COC,
TR	=	target risk level (1E-6; 1E-5),
$ILCR_{coc}$	=	total incremental lifetime cancer risk for a given COC.

The units for the remedial level are the same as the units for the exposure concentration.

I.7 REFERENCES

Davidson, K.A. 1994. Toxicity Summary for Lead (Inorganic), Oak Ridge National Laboratory, Oak Ridge, Tennessee.

EPA (U.S. Environmental Protection Agency) 1989. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part A), Interim Final, EPA/540/1-89/002, Office of Emergency and Remedial Response, Washington, D.C.

EPA 1991. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Supplemental Guidance, Standard Default Exposure Factors, Interim Final, OSWER Directive: 9285.6-03, Office of Solid Waste and Emergency Response, Washington, D.C.

EPA 1992. Dermal Exposure Assessment: Principles and Applications, Interim Report, EPA/600/8-91/011B, Office of Research and Development, Washington, D.C.

EPA 1994. Integrated Exposure Uptake Biokinetic Model for Lead in Children (IEUBK) Version 0.99D.

EPA 1995. Supplemental Guidance to RAGS: Region IV Bulletins, Human Health Risk Assessments, EPA Region IV, Atlanta, Georgia.

EPA 1998. Health Effects Assessment Summary Tables, FY1998 Update, Office of Solid Waste and Emergency Response, Washington, D.C.

EPA 1999. Integrated Risk Information System, on-line database, <<http://www.epa.gov/ngispgm3/iris>>.

GEPD (Georgia Environmental Protection Division) 1996. Guidance for Selecting Media Remediation Levels at RCRA Solid Waste Management Units, Atlanta, Georgia.

APPENDIX J
TOXICITY PROFILES

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TOXICITY PROFILES

The following are toxicity profiles for the chemicals of potential concern addressed in the baseline risk assessment. The chemicals have been divided into three groups: inorganics and organics.

INORGANICS

Chromium. Chromium is a metal that occurs in nature primarily as the mineral chromite. Although chromium exists in several valence states, the trivalent (III) and hexavalent (VI) valence states are the only two of any biological significance (Amdur, Doull, and Klassan 1991). Trivalent chromium is considered an essential element in man and animals.

Acute animal studies indicate that chromium (III) compounds are consistently less toxic than chromium (VI) (Friberg, Nordberg, and Vouk 1986), but neither oxidation state is very toxic by the oral route (Daugherty 1992). No adverse effects were observed in long-term drinking water studies in rats.

Chromium compounds (and particularly hexavalent compounds) are very strong skin irritants and sensitizers in humans, producing dermatitis, dermatosis, eczema, erythema, and skin ulceration. Exposure to chromium has caused respiratory effects such as nasal irritation, nasal ulcers, nasal perforation, asthmatic attacks, pneumoconiosis, bronchitis, and chronic lung congestion in humans under various occupational conditions (Daugherty 1992). Both hexavalent and trivalent chromium compounds are known to be nephrotoxic, with some reports indicating that they may also be hepatotoxic and neurotoxic (EPA 1984).

Chromium compounds, both trivalent and hexavalent, have induced developmental effects in hamsters and mice (but only at maternally toxic doses) and testicular effects in rabbits after intraperitoneal, intravenous, or subcutaneous injections (EPA 1984). Bacterial test systems have consistently demonstrated that chromium (VI) compounds are directly mutagenic, while chromium (III) compounds are not (EPA 1984). An increased frequency of chromosome aberrations in lymphocytes from workers exposed to chromates during production of such compounds has been reported (EPA 1984), and several occupational epidemiology studies have shown that occupational exposure to chromium is associated with an increase in lung cancer deaths for workers. Evidence also suggests increased risk of developing nasal, pharyngeal, and gastrointestinal cancers (IARC 1980; Daugherty 1992). EPA has not given chromium (III) a weight-of-evidence classification; however, chromium (VI) has been placed in weight-of-evidence group A, known human carcinogen (EPA 1998).

Lead. Lead has been used by humans for thousands of years because of its malleability, resistance to corrosion, and abundance. This metal can be a component of solder, paints, and gasoline, but these uses have declined dramatically in recent years as awareness of the toxicity associated with lead exposure has increased.

Extensive studies have been conducted to evaluate correlations between blood lead levels and various toxicological effects. At blood levels greater than 40 µg/dL, lead can cause miscarriages, infertility in males, anemia, and damage to the central nervous system and kidneys. Blood levels of 30 µg/dL and higher have been associated with defects in vitamin D metabolisms and with lowered IQ scores in children. At blood levels of 20 µg/dL and lower, it becomes more difficult

to define the effects of lead. Some studies report a dose-related increase in blood pressure in adult males, starting at blood levels of about 10 µg/dL. Additionally, the fetus and young children are particularly sensitive to lead toxicity; even low-level lead exposure during pregnancy and early childhood can cause reduced birth weight, preterm birth, and delayed development (ATSDR 1993a).

Epidemiological studies of workers exposed to lead have not demonstrated a clear link between lead exposure and the incidence of cancer in humans. Extensive studies have clearly shown a link between lead and the induction of cancer in laboratory animals. The kidney is the primary anatomical site for tumor induction in rats and mice. However, tumors of the pituitary gland, adrenal gland, thyroid gland, prostate, and lungs and cerebral gliomas have also been observed in animals exposed to lead (BEIAS 1995).

There are no reference doses for lead because a threshold dose has not been established. This chemical is classified as a Group B2 chemical, a probable human carcinogen (BEIAS 1995).

ORGANICS

Acetone. Acetone is a clear, colorless, highly flammable liquid with a vapor pressure of 182 mm (7.28 in.) Hg at 20°C (68°F). It is completely miscible in water and soluble in organics such as benzene and ethanol. Its log K_{ow} has been estimated to be -0.24. Acetone is used primarily as a solvent and chemical intermediate and is found in some consumer products such as nail polish remover (BEIAS 1995).

Acetone may be released into the environment as stack and/or fugitive emissions and in wastewater effluents from facilities that produce and use acetone as a chemical intermediate and solvent. Acetone is also a natural metabolic by-product found in and released from plants and animals. Much of the acetone released into the environment will volatilize into the atmosphere, where it is subject to photooxidation (average half-life is 22 days). Volatilization from surface waters is moderately rapid (estimated half-life about 20 hours from a model river). If spilled on the ground, acetone will both volatilize and leach into the soil, with relatively little being adsorbed to soil particles. Acetone has been detected in groundwater and drinking water (BEIAS 1995).

Acetone can be absorbed through the lungs, digestive tract, and skin. It is rapidly transported throughout the body and is not preferentially stored in any body tissue. The liver is the major organ of acetone metabolism, and excretion occurs mainly through the lungs and in the urine (BEIAS 1995).

Acute toxic effects after ingestion of 50 mL (39.5 g) or more may include ataxia, sedation, and coma; respiratory depression; gastrointestinal disorders (vomiting and hematemesis); hyperglycemia and ketonemia; acidosis; and hepatic and renal lesions. Ingestion of 10 to 20 mL (7.9 to 15.8 g) generally is not toxic, and consumption of 20 g/day for several days resulted in only slight drowsiness. The minimum lethal dose for a 68-kg (150-lb) man is estimated to be 100 mL (79.1 g). No information is available on the subchronic or chronic oral toxicity to humans. In animal studies, subchronic oral exposures were associated with kidney damage and hematological changes (BEIAS 1995).

Information on the inhalation toxicity of acetone to humans is derived from occupational and laboratory studies. Typical symptoms of inhalation exposure are central nervous system

depression and irritation of the mucous membranes of the eyes, nose, and throat. Central nervous system effects can range from subtle neurobehavioral changes to narcosis, depending on the magnitude and length of exposure (BEIAS 1995).

No evidence is available that suggests acetone is carcinogenic in humans or animals. Negative results have been reported in occupational exposure studies and in rodent skin painting studies. Although acetone has not been tested in a 2-year rodent bioassay, in vitro tests for mutagenicity, chromosome damage, and deoxyribonucleic acid (DNA) interaction indicate that acetone is not genotoxic except under severe conditions. Acetone is classified by the U.S. Environmental Protection Agency (EPA) in weight-of-evidence Group D, not classifiable as to human carcinogenicity (EPA 1999).

Benzene. Benzene is a volatile, colorless liquid with a characteristic "aromatic" odor that is used primarily in the production of other chemicals such as ethylbenzene, cumene, and cyclohexane. Benzene is emitted into the workplace and environment (aquatic, terrestrial, and atmospheric) from industrial and other man-made sources, including gasoline from filling stations, tobacco products, and auto exhaust. According to the Occupational Health and Safety Administration, workers employed in industries that produce or use benzene are at risk from exposure to high levels of the chemical. Exposure of the general population may occur in residential areas near chemical manufacturing sites and has also been associated with the ingestion of contaminated food and drinking water and inhalation of cigarette smoke and gas fumes (BEIAS 1995).

The autopsy of a youth who died while sniffing benzene revealed that the chemical was distributed to the urine, stomach, bile, liver, kidney, abdominal fat, and brain. Numerous studies indicate that the liver is the main site for metabolism of benzene; bone marrow is believed to be a minor site. Lethal oral doses of benzene are estimated to be 10 mL (7.9 g) in humans; these data indicate that benzene is of low acute toxicity. Limited data show that nonlethal oral doses of benzene can impact the nervous, hematological, and immunological systems. In addition, inhalation of benzene vapor concentrations of 20,000 ppm for 5 to 10 minutes can be fatal to humans, and death results from central nervous system depression. Furthermore, benzene has been shown to be carcinogenic in humans and animals by inhalation and in animals by oral exposure (BEIAS 1995).

The reference doses and reference concentrations for benzene have not been established. EPA has placed benzene in weight-of-evidence classification Group A, known human carcinogen (EPA 1999).

Bis(2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate is a colorless, oily liquid used extensively as a plasticizer in a wide variety of industrial, domestic, and medical products. An environmental contaminant, it has been detected in groundwater, surface water, drinking water, air, soil, plants, fish, and animals. It is rapidly absorbed from the gastrointestinal tract primarily as mono(2-ethylhexyl)phthalate. The diester can be absorbed through the skin and from the lungs. It is rapidly metabolized in the blood and tissues to the monoester, which can be excreted as a glucuronide conjugate, or further hydrolyzed to phthalic acid and excreted (BEIAS 1995).

Animal studies have indicated that the primary target organs are the liver and kidneys; however, higher doses are reported to result in testicular effects and decreased hemoglobin and packed cell volume. The primary intracellular effects of bis(2-ethylhexyl)phthalate in the liver and kidneys are an increase in the smooth endoplasmic reticulum and a proliferation in the number and size of peroxisomes. An epidemiological study reported no toxic effects from occupational exposure to air concentrations of bis(2-ethylhexyl)phthalate up to 0.16 mg/m³. Other studies on occupational exposures to mixtures of phthalate esters containing bis(2-ethylhexyl)phthalate have reported

polyneuritis and sensory-motor polyneuropathy with decreased thrombocytes, leukocytes, and hemoglobin in some exposed workers. Developmental toxicity studies with rats and mice have shown that bis(2-ethylhexyl)phthalate is fetotoxic and teratogenic when given orally during gestation. Oral exposure has also been shown to result in decreased sperm count in rats (BEIAS 1995).

Bis(2-ethylhexyl)phthalate has an oral reference dose, but a reference concentration for inhalation has not been established. EPA has placed this chemical in weight-of-evidence classification Group B2, probably human carcinogen (EPA 1999).

1,2-Dichloroethene. 1,2-Dichloroethene occurs in two isomeric forms, *cis*-1,2-dichloroethene and *trans*-1,2-dichloroethene, both of which are colorless, volatile liquids with a slightly acrid odor. Although not used extensively in industry, 1,2-dichloroethene is used in the production of other chlorinated solvents and as a solvent for dyes, perfumes, and lacquers (ATSDR 1990). The *trans*-1,2-dichloroethene isomer is more widely used in industry than is *cis*-1,2-dichloroethene (HSDB 1993).

Humans are exposed to 1,2-dichloroethene primarily by inhalation, but exposure can also occur by oral and dermal routes (Borges 1991). Information on the toxicity of 1,2-dichloroethene is limited (ATSDR 1990; EPA 1990). Workers acutely exposed to 1,2-dichloroethene have experienced central nervous system effects, including narcosis and eye irritation (ACGIH 1980; Torkelson and Rowe 1981). In animals, the liver is the primary target organ of *cis*-1,2-dichloroethene toxicity, while lung and kidney damage has also been reported (Borges 1991; NRC 1983; Torkelson and Rowe 1981). Acute inhalation of *trans*-1,2-dichloroethene in animals produced cardiac muscle, liver, and lung damage, as well as hematological effects (NRC 1983; ATSDR 1990; EPA 1990). No information about chronic, reproductive, or developmental toxicity or the carcinogenicity of 1,2-dichloroethene is available. 1,2-Dichloroethene is not mutagenic in the Ames assay (NRC 1983; EPA 1990).

EPA has placed this chemical in weight-of-evidence Group D, not classifiable as to human carcinogenicity (EPA 1999).

Methylene chloride. Methylene chloride, also known as dichloromethane, is a colorless, volatile liquid with a penetrating, ether-like odor. In industry, methylene chloride is widely used as a solvent in paint removers, degreasing agents, and aerosol propellants; as a polyurethane foam-blowing agent; and as a process solvent in the pharmaceutical industry. The compound is also used as an extraction solvent for spice oleoresins, hops, and caffeine (ATSDR 1989d; IARC 1986).

Methylene chloride is readily absorbed from the lungs and gastrointestinal tract and, to some extent, through the skin. Metabolism of methylene chloride produces CO₂ and CO, with the CO readily binding with blood hemoglobin to form carboxyhemoglobin (CO-Hb). The primary adverse health effects associated with methylene chloride exposure are central nervous system depression and mild liver effects. Neurological symptoms described in individuals occupationally exposed to methylene chloride included headaches, dizziness, nausea, memory loss, paresthesia, tingling hands and feet, and loss of consciousness. Major effects after acute inhalation exposure include fatigue, irritability, analgesia, narcosis, and death. Central nervous system effects have also been demonstrated in animals after acute exposure to methylene chloride.

Impaired liver function in humans has been associated with occupational exposure to methylene chloride. Liver effects have also been documented in inhalation studies of laboratory animals.

Subchronic exposure of rats, mice, dogs, and monkeys caused mild hepatic effects such as cytoplasmic vacuolization and fatty changes. Hepatocellular foci, fatty changes, and necrosis were reported after chronic inhalation exposure of rats and mice. Chronic oral exposure to methylene chloride via drinking water resulted in histopathological alterations of the liver in rats and mice. In addition, inhalation exposure of rats caused nonspecific degenerative and regenerative changes in the kidneys (EPA 1983a).

Studies of workers exposed to methylene chloride have recorded no significant increase in cancer cases above the number of cases expected for nonexposed workers. However, long-term inhalation studies of rats and mice demonstrated that methylene chloride causes cancer in laboratory animals. Mice exposed via inhalation to high concentrations of methylene chloride (2,000 or 4,000 mg/L) exhibited a significant increase of malignant liver and lung tumors compared with nonexposed controls (EPA 1993a). Rats of both sexes exposed to concentrations of methylene chloride ranging from 500 to 4,000 mg/L showed increases of benign mammary tumors (Burek et al. 1984). An inhalation study with rats and hamsters revealed sarcomas of the salivary gland in male rats, but not in female rats or hamsters (Burek et al. 1984). Liver tumors observed in rats and mice that ingested methylene chloride in drinking water for 2 years suggested carcinogenicity. EPA (1999) has placed methylene chloride in weight-of-evidence group B2, probable human carcinogen.

Trichloroethene. Trichloroethene, also known as trichloroethylene and ethylene trichloride, is a common industrial solvent and metal degreaser that is also used in the manufacture of organic chemicals. In the past, trichloroethene was used in food extraction processes such as decaffeination of coffee and spice flavor extractions and as a human anesthetic in surgical and obstetrical procedures (ATSDR 1993b).

The principal routes of exposure to trichloroethene are inhalation and ingestion, but it is also absorbed by the skin. Human inhalation exposures to trichloroethene result in depression of the central nervous system, with signs of drowsiness, dizziness, and headaches; however, these neurological symptoms appear to be reversible when exposures are not extreme (USAF 1989; EPA 1985). Other neurologic effects reported in occupationally exposed humans include fatigue, light-headedness, vision distortion, abnormal reflexes, tumors, and ataxia (Faust 1993). Additional documented effects in humans are eye and skin irritation, dermatitis, and cardiac effects (ATSDR 1993b; IARC 1979; USAF 1989). Cardiovascular effects include tachycardia, EKG abnormalities, and precordial pain. Cardiac arrhythmias were noted during use of trichloroethene as an anesthetic (Faust 1993). Although severe liver damage and kidney damage in humans after acute exposures to trichloroethene have been reported, these effects have not been associated with long-term occupational exposures (Faust 1993).

Several experimental studies in laboratory animals have also produced effects in the kidney and liver, as well as hematologic effects and immunosuppression (Faust 1993). Rat inhalation studies indicate that trichloroethene has produced effects consistent with delayed maturation, such as skeletal ossification (Dorfmueller et al. 1979; Healy, Poole, and Hopper 1982; NTP 1985; Faust 1993). Epidemiological studies have not established an association between exposure to trichloroethene and increased cancer risk at any site (Fukuda, Takemoto, and Tsuruta 1983; Maltoni et al. 1988; USAF 1989; Faust 1993). The carcinogenic potential of trichloroethene in the liver, kidney, and lungs has been reported in some, but not all, studies of rats and mice. The metabolic conversion of trichloroethene to active intermediates in laboratory animals may be responsible for some of the reported carcinogenic effects.

The carcinogenicity assessment for this chemical has been withdrawn by EPA, pending further review (EPA 1999).

REFERENCES

ACGIH (American Council of Governmental Industrial Hygienists) 1980. Documentation of Threshold Limit Values, 4th ed., Cincinnati, OH.

Amdur, M. O., J. Doull, and C. D. Klassan, eds. 1991. Casarett and Doull's Toxicology: The Basic Science of Poisons, 4th ed. Pergamon Press, New York, NY.

ATSDR (Agency for Toxic Substances and Disease Registry) 1989a. Toxicological Profile for 1,2-Dichloropropane, PB90-182122, U.S. Department of Health and Human Services, Public Health Service, Atlanta, GA.

ATSDR (Agency for Toxic Substances and Disease Registry) 1989b. Toxicological Profile for Methylene Chloride, ATSDR/TP-88-18, prepared by Life Systems, under Contract No. 68-02-4228.

ATSDR (Agency for Toxic Substances and Disease Registry) 1990. Toxicological Profile for cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, and 1,2-Dichloroethene, Final Report, TP-ATSDR-90-13, U.S. Department of Health and Human Services, Public Health Service, Atlanta, GA.

ATSDR (Agency for Toxic Substances and Disease Registry) 1993a. Toxicological Profile for Lead, U.S. Department of Health and Human Services, Public Health Service, Atlanta, GA.

ATSDR (Agency for Toxic Substances and Disease Registry) 1993b. Toxicological Profile for Trichloroethylene, ATSDR/TP-92/19, U.S. Department of Health and Human Services, Public Health Service, Atlanta, GA.

BEIAS (Biomedical and Environmental Information Analysis Section) 1995. Toxicity Profiles for Use in Hazardous Waste Risk Assessment and Remediation, ES/ER/TM-77, Health Sciences Research Division, Oak Ridge National Laboratory, Oak Ridge, TN.

Borges, T. 1991. Toxicity Summary for cis- and trans-1,2-Dichloroethene, Biomedical and Environmental Information Analysis Section, Health and Safety Research Division, Oak Ridge National Laboratory, Oak Ridge, TN.

Burek, J. D., K. D. Nitschke, T. J. Bell, D. L. Wackerle, R. C. Childs, J. E. Beyer, D. A. Dittenber, L. W. Rampy, and M. J. McKenna 1984. "Methylene chloride: a two-year inhalation toxicity and carcinogenicity study in rats and hamsters," Fund. Appl. Toxicol. 4:30-47.

Daugherty, M. L. 1992. Toxicity Summary for Chromium, Biomedical and Environmental Information Analysis Section, Health and Safety Research Division, Oak Ridge National Laboratory, Oak Ridge, TN.

Dorfmueller, M. A., S. P. Henne, R. G. York, R. L. Bornschein, and J. M. Manson 1979. "Evaluation of teratogenicity and behavioral toxicity with inhalation exposure of maternal rats to trichloroethylene," Toxicol. 14:153-166.

EPA (U.S. Environmental Protection Agency) 1983. Reportable Quantity for Dichloromethane, prepared by the Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office, Cincinnati, OH, for the Office of Emergency and Remedial Response, U.S. Environmental Protection Agency, Washington, D.C.

EPA (U.S. Environmental Protection Agency) 1984. Health Assessment Document for Chromium, EPA/600/8-83/014F, Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office.

EPA (U.S. Environmental Protection Agency) 1985. Health Assessment Document for Trichloroethylene. Final Report, EPA/600/8-82/006F, Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office.

EPA (U.S. Environmental Protection Agency) 1990. Criteria Document for the Dichloroethylenes, PB91-143396, Criteria and Standards Division, Office of Drinking Water.

EPA (U.S. Environmental Protection Agency) 1999. Integrated Risk Information System (IRIS), Office of Health and Environmental Assessment, Environmental Criteria and Assessment Office.

Faust, R. A. 1993. Toxicity Summary for Trichloroethene, Biomedical and Environmental Information Analysis Section, Health and Safety Research Division, Oak Ridge National Laboratory, Oak Ridge, TN.

Friberg, L., G. Nordberg, and V. Vouk, eds. 1986. Handbook on the Toxicology of Metals, 2nd. ed., Elsevier Science Publishers, Amsterdam.

Fukuda, K., K. Takemoto, and H. Tsuruta 1983. "Inhalation carcinogenicity of trichloroethylene in mice and rats," Ind. Health 21:243-254.

Healy, T. E. J., T. R. Poole, and A. Hopper 1982. "Rat fetal development and maternal exposure to trichloroethylene at 100 ppm," Br. J. Anaesth. 54:337-341.

HSDB (Hazardous Substances Database) 1993. National Library of Medicine, Bethesda, MD.

IARC (International Agency for Research on Cancer) 1979. IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 20, Some Halogenated Hydrocarbons, World Health Organization, Lyon, France.

IARC (International Agency for Research on Cancer) 1980. IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 23, Some Metals and Metallic Compounds, World Health Organization, Lyon, France.

IARC (International Agency for Research on Cancer) 1986. "Dichloromethane," IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Some Halogenated Hydrocarbons and Pesticide Exposures, Vol. 41, World Health Organization, Lyon, France, pp. 43-85.

Maltoni, C., G. Lefemine, G. Cotti, and G. Perino 1988. "Long-Term Carcinogenicity Bioassays on Trichloroethylene Administered by Inhalation to Sprague-Dawley Rats and Swiss and B6C3F1 Mice," Ann. NY Acad. Sci. 534:316-342.

NRC (National Research Council) 1983. Safe Drinking Water and Health. Vol. 5, Board on Toxicology and Environmental Health Hazards, Safe Drinking Water Committee.

NTP (National Toxicology Program) 1985. Trichloroethylene: Reproduction and Fertility Assessment in CD-1 Mice When Administered in the Feed, NTP-86-068, Bethesda, MD.

Torkelson, T. R., and V. K. Rowe 1981. Patty's Industrial Hygiene and Toxicology, eds. G. D. Clayton and F. E. Clayton, Vol. 2, Toxicology, 3rd ed., John Wiley and Sons, New York, NY.

USAF (U.S. Air Force) 1989. "Trichloroethylene," The Installation Restoration Program Toxicology Guide. Vol. 1, Harry G. Armstrong Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, OH.

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Georgia Department of Natural Resources

205 Butler Street, S.E., Suite 1162, Atlanta, Georgia 30334
Lonice C. Barrett, Commissioner
Environmental Protection Division
Harold F. Reheis, Director
404/656-2833

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July 27, 1999

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Ovidio E. Perez, Colonel, U.S. Army
Director, Public Works
ATTN: AFZP-DEV (Melanie Little)
Department of the Army
Headquarters, 3D Infantry Division (Mechanized) and Fort Stewart
1557 Frank Cochran Drive
Fort Stewart, GA 31314-4928

RE: Phase II RCRA Facility Investigation (RFI) Report for the Post South Central Landfill [Solid Waste Management Unit (SWMU) 1] dated March 1999; Fort Stewart; EPA ID No. GA9 210 020 872.

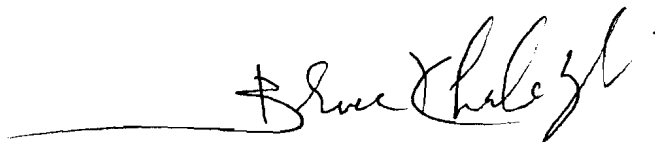
Dear Colonel Perez:

The Hazardous Waste Management Branch of the Georgia Environmental Protection Division (GA EPD) is in receipt of Fort Stewart correspondence (Perez to Khaleghi) dated July 13, 1999 which contained Replacement Pages 9-10 and 9-11 (i.e., modified Tables 9-3 and 9-4) to be inserted into our four (4) copies of the above-referenced document. Based upon our review of the submittal, GA EPD has determined that:

1. Fort Stewart has sufficiently responded to our comment in correspondence (Khaleghi to Perez) dated June 22, 1999;
2. The Phase II RFI Report for SWMU 1 dated March 1999, as amended by Replacement Pages 9-10 and 9-11 (i.e., modified Tables 9-3 and 9-4), is complete; and
3. Corrective action is required at SWMU 1 pursuant to 40 CFR §264.101(a), as referenced by the Rules of Georgia Department of Natural Resources Environmental Protection Division Chapter 391-3-11 Section .10.

In accordance with Conditions IV.E.1 and IV.E.2 in your Hazardous Waste Facility Permit #HW-045(S&T), Fort Stewart must submit a Corrective Action Plan for SWMU 1 to GA EPD within one hundred and twenty (120) days from receipt of this correspondence. Should you have any questions concerning this letter, please contact Brent Rabon or Madeleine Kellam of my staff at (404)656-2833.

Sincerely,



Bruce Khaleghi, Unit Coordinator
Hazardous Waste Management Branch

c: Mr. Larry Rogers, GA EPD-Southeast Regional Office
File: Fort Stewart(R)

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REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
HEADQUARTERS, 3D INFANTRY DIVISION (MECHANIZED) AND FORT STEWART
DIRECTORATE OF PUBLIC WORKS
1557 FRANK COCHRAN DRIVE
FORT STEWART, GEORGIA 31314-4928
March 31, 1999

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Directorate of Public Works

CERTIFIED MAIL

Georgia Department of Natural Resources
Environmental Protection Division
Attention: Mr. Bruce Khaleghi
205 Butler Street, Southeast
Suite 1154
Atlanta, Georgia 30334

Dear Mr. Khaleghi:

Fort Stewart is pleased to receive the Georgia Environmental Protection Division's (GA EPD) correspondence dated January 14, 1999, in reference to the Final Phase II RCRA Facility Investigation (RFI) Report for the Post South Central Landfill [Solid Waste Management Unit (SWMU 1)], dated September 1998; Fort Stewart; EPA ID No. GA9 210 020 872.

In response to the comments received from GA EPD, Fort Stewart has enclosed four copies of the Revised Final RCRA Facility Investigation (RFI) Report for the Post South Central Landfill [Solid Waste Management Unit (SWMU 1)], dated March 1999. Fort Stewart agrees to comply with your comments listed in the referenced correspondence. A formal response to comments table is provided as an enclosure, located within the front pocket of each Revised Final Phase II RFI Report.

In accordance with the Federal Code of Regulations, Section 270.11(d), the following certification is provided by the Installation:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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Please contact Ms. Melanie Little or Ms. Tressa Rutland, Directorate of Public Works Environmental Branch, at (405) 364-8461 or (912) 767-7919, respectively, should questions arise regarding the response to comments and/or the Revised Final Phase II RFI Report.

Sincerely,

for Thomas C. Luy 03/31/99
Ovidio E. Perez
Colonel, U.S. Army
Director, Public Works

Enclosures

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PROJECT REVIEW		Phase II RCRA RFI Report for Post South Central Landfill (SWMU 1)	Page <u>1</u> of <u>7</u>
Date: 14 Jan 99		Georgia Environmental Protection Division Comments	Reviewer: GEPD
Item No.	Drawing No. or Para No.	Comments	Review Action: March 23, 1999
General Comments			
1	General	GA EPD concurs with the Fort Stewart recommendations in the Executive Summary (page xv) and Section 9.3 (page 9-5) to continue monitoring the active portion of the Post South Central Landfill (SWMU 1) in accordance with the Groundwater Monitoring Plan approved by the Land Protection Branch of the Georgia Environmental Protection Division. The active landfill is operated pursuant to the requirements of Permit No. 089-010D(SL) & 089-020D(L) and the Georgia Comprehensive Solid Waste Management Act, O.C.G.A. §12-8-20, <u>et seq.</u>, as amended; and the Rules for Solid Waste Management, Chapter 391-3-4, promulgated pursuant thereto, as amended. In addition, the Hazardous Waste Management Branch of the Georgia Environmental Protection Division (GA EPD) <u>tentatively</u> agrees with implicit Fort Stewart recommendation that No Further Action is required for the <u>active</u> portion of the Post South Central Landfill (SWMU 1) as identified in Figure 2.4 of the above-referenced report; however, a final decision by GA EPD will be made pending the outcome of a public comment period which will occur when the Corrective Action Module of your Hazardous Waste Facility Permit #HW-045(S&T) is modified.	No response required. No response required.
2	General	With respect to the old inactive portion of the Post South Central Landfill (SWMU 1), GA EPD will review the results of the Human Health Baseline Risk Assessment to be submitted in the revised SWMU 1 RFI Report (see Specific Comment No. 14 below) in order to determine if groundwater monitoring is warranted as part of a Corrective Action Plan (CAP). Our current position is that Fort Stewart will be required to submit a SWMU 1	Agree. Recommendation revised to include that a CAP is warranted for the old portion of SWMU 1.

PROJECT REVIEW		Phase II RCRA RFI Report for Post South Central Landfill (SWMU 1)	Page <u>2</u> of <u>7</u>
Date: 14 Jan 99		Georgia Environmental Protection Division Comments	Reviewer: GEPD
Item No.	Drawing No. or Para No.	Comments	Review Action: March 23, 1999
		CAP which minimally proposes institutional controls [e.g., signage and deed restrictions (both civil and military; see Comment No. 3 below)]. Please modify, in a manner consistent with this Comment, the recommendations regarding the old, inactive portion of SWMU 1 which are contained in the Executive Summary (page xv) and Section 9.3 (page 9-5).	
3	General	For your information and in anticipation of creating a CAP for SWMU 1, please note that GA EPD regards military deed restrictions to include incorporation of land use restrictions for the old, inactive portion of the SWMU 1 <u>source unit</u> into the Fort Stewart Base Management Plan and civil deed restrictions to include the following. a. Fort Stewart must submit to the local zoning authority, or the authority with jurisdiction over local land use, a survey plat indicating the location and dimensions of the old, inactive portion of the SWMU 1 source unit with respect to permanently surveyed benchmarks. This plat must be prepared by a professional land surveyor certified in the State of Georgia. The plat, filed with the local zoning authority or the authority with jurisdiction over local land use, must contain a note, prominently displayed, which states Fort Stewart's obligation to restrict disturbance of the old, inactive portion of the SWMU 1 source unit in accordance with a Corrective Action Plan approved by GA EPD. b. Fort Stewart must record, in accordance with Georgia State law, a notation deed to the facility property—or on some other instrument which is normally examined during title search—that will in perpetuity notify any potential purchaser of the	Information on deed restrictions will be used in the development of a CAP for the old, inactive portion of SWMU 1. Once the CAP is approved, the deed restrictions will be entered into the Master Plan. See response to part a.

PROJECT REVIEW		Phase II RCRA RFI Report for Post South Central Landfill (SWMU 1)	Page <u>3</u> of <u>7</u>
Date: 14 Jan 99		Georgia Environmental Protection Division Comments	Reviewer: GEPD
Item No.	Drawing No. or Para No.	Comments	Review Action: March 23, 1999
		property that the land (i.e., the old, inactive portion of the SWMU 1 <u>source unit</u>) has been used to manage hazardous constituents. In addition and in the first SWMU 1 CAP Progress Report submitted to GA EPD, Fort Stewart will be required to provide documentation that the requirements above have been completed, including copies of the documents in which the notations have been placed and a copy of the survey plat.	No response required.
Specific Comments			
4	Sect. 5, Contam. Nature & Extent, Table 5-5	The Georgia Safe Drinking Water Act Maximum Concentration Limit (MCL) for benzene is 5 µg/L; please modify the value provided in Table 5-5 (pages 5-17 through 5-19).	Agree. Table was corrected.
5	Table 5-6, p. 5-20	Table 5-6 (page 5-20) shows a box (indicating a concentration above the MCL) around 1,1-Dichloroethane (1,1-DCA) concentration detected in groundwater sample from monitoring well SC-M7. 1,1-DCA has no MCL. The table should be revised to delete the box.	Agree. Box and italics removed.
6	Table 5-6, pp. 5-20 & 5-21	The correct MCLs for 1,2-Dichloropropane and 1,2-cis-Dichloroethene are 5 and 70 µg/L, respectively, Please modify Table 5-6 on pages 5-20 and 5-21 appropriately.	Agree. Table revised.
7	p. 5-33, 1st bullet	In the first bullet of the VOCs subsection on page 5-33, the sentence should be revised to delete the reference to monitoring well SC-M14.	Agree. "in SC-M14" removed.
8	p. 5-33, 2nd bullet	In the second bullet of the SVOCs subsection on page 5-33, the third sentence should be revised to state that two groundwater samples contained levels of bis(2-ethylhexyl)phthalate above its MCL of 6 µg/L: NMW-2A and SC-M9 contained 7.8 µg/L and 61.4 µg/L of the hazardous constituent, respectively.	Agree. Sentence revised.

PROJECT REVIEW		Phase II RCRA RFI Report for Post South Central Landfill (SWMU 1)	Page <u>4</u> of <u>7</u>
Date: 14 Jan 99		Georgia Environmental Protection Division Comments	Reviewer: GEPD
Item No.	Drawing No. or Para No.	Comments	Review Action: March 23, 1999
9	p. 5-34, 1st bullet	In the first bullet of the <i>RCRA Metals</i> subsection on page 5-34, the first sentence should be revised to reflect that the barium concentration of 134 µg/L was found in groundwater from monitoring well SC-M11, rather than SC-M1.	Agree. SC-M1 changed to SC-M11.
10	p. 5-34, 7th bullet	In the seventh bullet of the <i>RCRA Metals</i> subsection on page 5-34, the sentence should be revised to state that the mercury concentration of 0.04 µg/L was found in groundwater from monitoring well SC-M12, rather than SC-M14.	Agree. SC-M14 changed to SC-M12.
11	p. 5-34 p. 5-34 & Table 5-6	In the <i>Radium 226/228</i> subsection on page 5-34, the units should be modified to read pCi/L instead of pCi/g and the monitoring well designation "NWM-2A" should be corrected to read "NMW-2A." In addition, the MCL for the sum of Radium 226 and 228 is 5 pCi/L (i.e., the constituents do not have individual MCLs). Therefore, please (1) add a sentence to this subsection which states that monitoring well SC-M19, with a combined Radium 226/228 concentration of 5.78, exceeds its respective MCL and (2) modify the MCLs provided in Table 5-6 (pages 5-22 and 5-23) appropriately.	Agree. Units corrected. Agree. The following sentence was added as the third to last sentence of the paragraph: "The combined Radium 226/228 concentrations at SC-M5 and SC-M19 were 8.58 pCi/L and 5.78 pCi/L, respectively, which exceeded its MCL of 5 pCi/L (Table 5-6)." Footnote added to Table 5-6.
12	Sect. 6, Contam. Fate & Transport, p. 6-7	The <i>Release Mechanisms</i> subsection on page 6-7 states that "Buried materials in the landfill have decomposed and leachate from these materials has contaminated both groundwater and subsurface soil at low levels typically below MCLs and, in most instances, below reference background criteria." Please note (1) that MCLs are not directly comparable to detections of hazardous constituents in subsurface soils and (2) that hazardous constituents detected in environmental media equal to or less than	Agree with comment. MCLs are not directly comparable to detections of hazardous constituents in soil. Sentence was revised.

PROJECT REVIEW		Phase II RCRA RFI Report for Post South Central Landfill (SWMU 1)	Page <u>5</u> of <u>7</u>
Date: 14 Jan 99		Georgia Environmental Protection Division Comments	Reviewer: GEPD
Item No.	Drawing No. or Para No.	Comments	Review Action: March 23, 1999
		background concentrations should not be classified as "contaminated." Modify the referenced sentence in a manner that is consistent with the preceding sentence.	
13	p. 6-7, 2nd para.	The second paragraph of the Release Mechanisms subsection on page 6-7 contains the following incomplete sentence: "Whether it is the contaminant's K_d or controlled." Fort Stewart should complete the sentence in the revised SWMU 1 RFI Report.	Agree with comment. The sentence was completed as follows: "Whether it is the partitioning co-efficient (K_d) or the solubility that controls the leaching of a contaminant depends on whether leaching is sorption-controlled or solubility-controlled."
14	Sect. 7, Human Hlth. Prelim. Risk Eval.	Because Chemicals of Potential Concern (COPCs) were identified in surface soil and groundwater in Section 7.0, Fort Stewart must complete a Human Health Baseline Risk Assessment in the revised SWMU 1 RFI Report. Please modify the Executive Summary and Sections 7.0 and 9.0, appropriately.	A human health baseline risk assessment was performed for COPCs identified at SWMU 1 and this is presented in the new Chapter 9.
15	Sect. 7.2.3, pp. 7-4 & 7-5	Future on- and off-site residential scenarios must be evaluated in the baseline risk assessment requested by GA EPD in Comment No. 14 above. The future residential scenario should give readers of the revised SWMU 1 RFI Report perspective on the possible risks involved with residents contacting contaminants in all environmental medias (e.g., groundwater, soils, sediments, and surface water). Please specifically note that the proposal, in Section 7.2.3 on pages 7-4 and 7-5, to neglect human receptor exposure to groundwater is inconsistent with the policy in Georgia that states that all groundwater is considered a potential drinking water source. ¹ Therefore, the future resident (both adult and child receptor) and base worker ingestion of groundwater should be included in the revised risk assessment.	The human health baseline risk assessment will evaluate the risk to potential residents and workers resulting from exposure to groundwater and constituents identified as leaching from soil to groundwater.

¹ 1996. Georgia Environmental Protection Division Guidance for Selecting Media Remediation Levels at RCRA Solid Waste Management Units.

PROJECT REVIEW		Phase II RCRA RFI Report for Post South Central Landfill (SWMU 1)	Page _6_ of _7_
Date: 14 Jan 99		Georgia Environmental Protection Division Comments	Reviewer: GEPD
Item No.	Drawing No. or Para No.	Comments	Review Action: March 23, 1999
16	Table 7-4 & Sects. 7.4.3, 7.5, & 9.0	The oral reference dose (RfD) for chromium VI has changed from 5.0E-03 mg/kg-day to 3.0E-03 mg/kg-day; therefore, the Risk-Based Concentration (RBC) value for chromium VI in tap water has changed from 18 µg/L to 10.9 µg/L Please modify Table 7-4 and Sections 7.4.3, 7.5, and 9.0, appropriately.	Agree. The text and Table 7-4 were revised. Table 7-4 is on page 7-12. Text changes: Section 7.4.3 on page 7-9, Section 7.5 on page 7-16, and Chapter 10 (previously Chapter 9) on pages 10-3 and 10-4.
17		Information on the toxicity of the Constituents of Concern (COCs) needs to be gathered and summarized in a Toxicity Profiles subsection within Section 7.0 (or in a referenced Appendix). Information such as the weight of evidence for carcinogens, toxicity endpoints, how the numerical toxicity factors were developed, and a list of literature references (e.g., IRIS, HEAST, etc) should be included in the profile for each chemical.	Agree. Toxicity profiles were written for all COPCs and included in Appendix J. The toxicity data were included in Table 9-5 in the new Chapter 9.
18	Sect. 8, Ecol. Prelim. Risk Eval.	GA EPD (1) has determined that the Ecological Preliminary Risk Evaluation (EPRE) presented in Section 8.0 is sufficient and (2) concurs with the Conclusions and Recommendations in Section 9.0 regarding the EPRE.	No response required.
19	Sect. 9, Concls. and Recmnds.	Fort Stewart has properly integrated detections of iron, Radium 226, and Radium 228 into the risk assessments for SWMU 1; however, this metal and two radionuclides are not hazardous constituents as defined by Section I.E of your Hazardous Waste Facility Permit #HW-045(S&T) (Permit) are not subject to the corrective action requirements under the terms and conditions of your Permit or under the Georgia Hazardous Waste Management Act, O.C.G.A §12-8-60, <u>et seq.</u> , as amended, and the Rules for Hazardous Waste Management, Chapter 391-3-11, promulgated pursuant thereto, as amended.	Agree. Text added to the conclusions and recommendations. Text changes were added in Chapter 10 (previously Chapter 9) on page 10-4. This text was also included in Section 7.4.3, HHPRE, page 7-14, 8 th paragraph.

PROJECT REVIEW		Phase II RCRA RFI Report for Post South Central Landfill (SWMU 1)	Page _7_ of _7_
Date: 14 Jan 99		Georgia Environmental Protection Division Comments	Reviewer: GEPD
Item No.	Drawing No. or Para No.	Comments	Review Action: March 23, 1999
	Sect. 9.2	Utilizing the justification provided in the paragraph above, please add text to Section 9.2 (Conclusions) which states that corrective action is not required for the detections of iron, Radium 226 and 228 in groundwater at the old, inactive portion of SWMU 1.	Agree. Text was added. Text changes were added in Chapter 10 (previously Chapter 9) on page 10-4.