

Table 3-4

**Groundwater Elevations
Contractor Laydown Area and Former Tar Plant, Parcels 86(7), 99(7), and 32(7)
Fort McClellan, Calhoun County, Alabama**

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft above msl)	Ground Elevation (ft above msl)	Groundwater Elevation (ft above msl)
GSBP-86-MW01	13-Mar-00	3.33	783.99	784.19	780.66
GSBP-86-MW02	13-Mar-00	5.43	787.76	788.34	782.33
GSBP-86-MW03	13-Mar-00	3.25	785.57	785.77	782.32
GSBP-86-MW04	13-Mar-00	5.17	794.10	794.75	788.93
GSBP-86-MW05	13-Mar-00	5.71	792.19	789.47	786.48
GSBP-86-MW06	13-Mar-00	2.38	796.09	796.32	793.71
GSBP-86-MW07	13-Mar-00	5.88	794.78	792.23	788.90
GSBP-99-MW01	13-Mar-00	2.39	778.41	776.52	776.02
GSBP-99-MW02	13-Mar-00	5.08	777.86	778.18	772.78

Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

BTOC - Below top of casing

ft - Feet

msl - mean sea level

Table 3-5

Groundwater Sample Designations and QA/QC Samples
Contractor Laydown Area and Former Tar Plant, Parcels 86(7), 99(7), and 32(7)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Designation	QA/QC Samples			Analytical Suite
		Field Duplicates	Field Splits	MS/MSD	
Contractor Laydown Area, Parcel 86(7) - QST Parcel SI10					
SI10-GWS01	10-GWS01				TCL VOCs, TCL SVOCs, TAL Metals, Pesticides/PCBs
GSBP-86-MW01	GSBP-86-MW01-GW-BQ3023-REG			GSBP-86-MW01-GW-BQ3023-MS GSBP-86-MW01-GW-BQ3023-MSD	TCL VOCs, TCL SVOCs, TAL Metals, Pesticides, PCBs
GSBP-86-MW02	GSBP-86-MW02-GW-BQ3024-REG				TCL VOCs, TCL SVOCs, TAL Metals, Pesticides, PCBs
GSBP-86-MW03	GSBP-86-MW03-GW-BQ3025-REG				TCL VOCs, TCL SVOCs, TAL Metals, Pesticides, PCBs
GSBP-86-MW04	GSBP-86-MW04-GW-BQ3026-REG				TCL VOCs, TCL SVOCs, TAL Metals, Pesticides, PCBs
GSBP-86-MW05	GSBP-86-MW05-GW-BQ3027-REG	GSBP-86-MW05-GW-BQ3028-FD			TCL VOCs, TCL SVOCs, TAL Metals, Pesticides, PCBs
GSBP-86-MW06	GSBP-86-MW06-GW-BQ3029-REG				TCL VOCs, TCL SVOCs, TAL Metals, Pesticides, PCBs
GSBP-86-MW07	GSBP-86-MW07-GW-BQ3030-REG				TCL VOCs, TCL SVOCs, TAL Metals, Pesticides, PCBs
Former Tar Plant, Parcels 99(7) and 32(7) - QST Parcel SI09					
SI09-GWS01	09-GWS01	09-GWS01-FD			TCL VOCs, TCL SVOCs, TAL Metals, PCBs
SI09-GWS02	09-GWS02				TCL VOCs, TCL SVOCs, TAL Metals, PCBs
SI09-GWS03	09-GWS03	09-GWS03-FD			TCL VOCs, TCL SVOCs, TAL Metals, PCBs
SI09-GWS04	09-GWS04				TCL VOCs, TCL SVOCs, TAL Metals, PCBs
GSBP-99-MW01	GSBP-99-MW01-GW-BQ3021-REG				TCL VOCs, TCL SVOCs, TAL Metals, PCBs
GSBP-99-MW02	GSBP-99-MW02-GW-BQ3022-REG				TCL VOCs, TCL SVOCs, TAL Metals, PCBs

Groundwater samples were collected from the approximate midpoint of the saturated screened interval of the monitoring well.

FD - Field duplicate.

FS - Field split.

MS/MSD - Matrix spike/matrix spike duplicate.

PCB - Polychlorinated biphenyls.

QA/QC - Quality assurance/quality control.

REG - Field sample.

SVOC - Semivolatile organic compound.

TAL - Target analyte list.

TCL - Target compound list.

VOC - Volatile organic compound.

Table 3-6

Groundwater and Surface Water Field Parameters
Contractor Laydown Area and Former Tar Plant, Parcels 86(7), 99(7), and 32(7)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Date	Medium	Specific Conductivity (mS/cm) ^a	Dissolved Oxygen (mg/L)	ORP (mV)	Temperature (°C)	Turbidity (NTU)	pH (SU)
SI10-GWS01	15-May-98	GW	0.380	NR	NR	26.1	NR	6.1
GSBP-86-MW01	18-Nov-99	GW	2.910	0.58	100	20.4	410	7.12
GSBP-86-MW02	20-Nov-99	GW	1.550	0.68	170	19.6	1044	7.67
GSBP-86-MW03	19-Nov-99	GW	2.230	1.03	-15	19.1	212	7.02
GSBP-86-MW04	19-Nov-99	GW	1.020	0.90	175	22.7	1.6	6.60
GSBP-86-MW05	17-Nov-99	GW	0.475	1.20	130	18.6	3.4	6.41
GSBP-86-MW06	18-Nov-99	GW	1.130	0.98	55	22.0	13	6.51
GSBP-86-MW07	18-Nov-99	GW	1.960	1.14	240	18.4	15	6.77
SI09-GWS01	15-May-98	GW	0.170	NR	NR	18.7	NR	6.1
SI09-GWS02	14-May-98	GW	0.170	NR	NR	23.1	NR	6.9
SI09-GWS03	26-May-98	GW	0.120	NR	NR	24.2	NR	7.17
SI09-GWS04	15-May-98	GW	0.180	NR	NR	20.2	NR	6.6
GSBP-99-MW01	29-Nov-99	GW	0.403	1.27	-40	21.3	2.4	5.72
GSBP-99-MW02	29-Nov-99	GW	0.450	1.21	-40	18.9	3.1	6.66
SI10-SW01	12-May-98	SW	0.200	NR	NR	19.3	NR	6.7
SI10-SW02	12-May-98	SW	0.150	NR	NR	19.1	NR	7.0
SI09-SW01	13-May-98	SW	0.190	NR	NR	20.1	NR	6.9
SI09-SW02	13-May-98	SW	0.220	NR	NR	18.7	NR	6.0
SI09-SW03	13-May-98	SW	0.220	NR	NR	18.9	NR	6.8

^a Specific conductivity values standardized to millisiemens per centimeter.

°C - Degrees Celsius.

GW - Groundwater.

mg/L - Milligrams per liter.

mS/cm - Millisiemens per centimeter.

mV - Millivolts.

NR - Not recorded.

NTU - Nephelometric turbidity units.

ORP - Oxidation-reduction potential.

SU - Standard units.

SW - Surface water.

Table 3-7

Surface Water and Sediment Sample Designations
Contractor Laydown Area and Former Tar Plant, Parcels 86(7), 99(7), and 32(7)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Designation	QA/QC Samples ^a			Analytical Suite
		Field Duplicates	Field Splits	MS/MSD	
SI10-SW/SED01	10-SW01				TCL VOCs, TCL SVOCs, TAL Metals, Pesticides/PCBs, BOD ^b , TOC ^c
	10-SED01				
SI10-SW/SED02	10-SW02				TCL VOCs, TCL SVOCs, TAL Metals, Pesticides/PCBs, BOD ^b , TOC ^c
	10-SED02				
SI09-SW/SED01	09-SW01				TCL VOCs, TCL SVOCs, TAL Metals, PCBs, BOD ^b
	09-SED01				
SI09-SW/SED02	09-SW02				TCL VOCs, TCL SVOCs, TAL Metals, PCBs, BOD ^b
	09-SED02				
SI09-SW/SED03	09-SW03				TCL VOCs, TCL SVOCs, TAL Metals, PCBs, BOD ^b
	09-SED03				

^a No QA/QC samples specified in SI Work Plan (QST, 1998).

^b Surface water sample only.

^c Sediment sample only.

BOD - Biological oxygen demand.

PCB - Polychlorinated biphenyl.

QA/QC - Quality Assurance/quality control.

SVOC - Semivolatile organic compound.

TAL - Target analyte list.

TCL - Target compound list.

TOC - Total organic carbon.

VOC - Volatile organic compound.