

Table 2-1
Summary of Laboratory Analytical Methods

Media	Parameter	Concentration Level	Analytical Method
<i>Soil</i>	VOCs	Low	SW 5035 and SW 8260B
	SVOCs	Low	SW 3550B and SW 8270C
	Pesticides	Low	SW 3540C and SW 8081A
	PCBs	Low	SW 3540C and SW 8082
	TAL Metals	Low	SW 3050B, SW 6010B, SW 6020, and SW 7471A
	EPH	Low	MA DEP Method
	VPH	Low	MA DEP Method
	pH	Low	9045C
	Asbestos	Low	EPA 600R for Bulk Analysis
	Total Solids	Low	SM2540G / ILM03.0
<i>Concrete</i>	PCBs	Low	SW 3540C and SW 8082
	EPH	Low	MA DEP Method
<i>Sediment</i>	VOCs	Low	SW 5035 and SW 8260B
	SVOCs	Low	SW 3550B and SW 8270C
	Low-level PAHs	Low	SW 3550B and SIM 8270C
	Pesticides	Low	SW 3540C and SW 8081A
	PCBs	Low	SW 3540C and SW 8082
	PCB Congeners and Homologues	Low	M680 and M3541
	TAL Metals	Low	SW 3050B, SW 6010B, SW 6020, and SW 7471A
	EPH	Low	MA DEP Method
	BSTs	Low	AST-SAI-NA-01
	BSTAs	Low	AST-SAI-LP-02
	BCSA	Low	EPA/600/4-90/030
	Grain Size	Low	ASTM D422
	TOC	Low	Lloyd Kahn Method
Total Solids	Low	SM2540G / ILM03.0	
<i>Groundwater</i>	VOCs	Low	SW 8260B
	Vinyl Chloride	Low	SIM 8260B
	SVOCs	Low	SW 3520C and SW 8270C
	Pesticides	Low	SW 3510C and SW 8081A
	PCBs	Low	SW 3510C and SW 8082
	TAL Metals	Low	SW 3010A, SW 6010B, SW 6020, and SW 7470A
	EPH	Low	MA DEP Method
	DRO	Low	ME DEP Method 4.1.25
	Nitrate	Low	EPA 353.2 and EPA 300A

Table 2-1
Summary of Laboratory Analytical Methods

Media	Parameter	Concentration Level	Analytical Method
	Anion/Alkalinity	Low	SM 4110B EPA 300A EPA 310.1
	Sulfide	Low	EPA 376.1
<i>Surface Water</i>	VOCs	Low	SW 8260B
	Vinyl Chloride	Low	SIM 8260B
	SVOCs	Low	SW 3520B and SW 8270C
	Pesticides	Low	SW 3510C and SW 8081A
	PCBs	Low	SW 3510C and SW 8082
	TAL Metals	Low	SW 3010A, SW 6010B, SW 6020, and SW 7470A
	EPH	Low	MA DEP Method
<i>Tissue</i>	SVOCs	Low	NOAA ORCA71/SW 3610
	SIM PAHs	Low	NOAA ORCA71/SW 3610
	PCBs	Low	NOAA ORCA71/SW 3610 SW8082
	PCB Congeners and Homologues	Low	NOAA ORCA71/SW 3610 M680
	Pesticides	Low	NOAA ORCA71/SW 3610
	TAL Metals	Low	SW M6010B/M6020, M245.6, SW 3051, and SW 3052
	Lipids	Low	NOAA ORCA71

**Table 2-2
Summary of Reference Sampling Program**

Analytical Parameter	Field Samples	Field Duplicates (Note 1)	Number of MS/MSDs (Note 2)	Total Samples (Note 3)
<i>Groundwater</i>				
VOC	8	3	3	14
Vinyl Chloride	8	3	3	14
SVOC	8	3	3	14
PCB	8	3	3	14
Pesticide	8	3	3	14
TAL Metals	12	3	3	18
EPH	4	1	1	6
DRO	4	2	2	8
Nitrate	8	3	3	14
Subtotal	68	24	24	116
<i>Sediment</i>				
VOC	7	0	1	8
SVOC	7	0	1	8
PCB	7	0	1	8
SIM PAH	7	0	1	8
PCB Congeners and Homologues	7	0	1	8
Pesticide	7	0	1	8
TAL Metals	6	0	0	6
Grain Size	7	0	NA ⁴	7
TOC	7	0	NA	7
Total Solids	7	0	1	8
Subtotal	69	0	7	76
<i>Soil</i>				
VOC	16	1	0	17
SVOC	15	1	0	16
PCB	15	1	0	16
Pesticide	15	1	0	16
TAL Metals	15	1	0	16
EPH	15	1	0	16
Total Solids	15	1	0	16
Subtotal	106	7	0	113

Table 2-2
Summary of Reference Sampling Program

Analytical Parameter	Field Samples	Field Duplicates (Note 1)	Number of MS/MSDs (Note 2)	Total Samples (Note 3)
<i>Tissue</i>				
SVOC	7	1	1	9
SIM PAH	7	1	1	9
PCB	7	1	1	9
PCB Congeners and Homologues	7	1	1	9
Pesticides	7	1	1	9
TAL Metals	7	1	1	9
Lipids	7	1	1	9
Subtotal	49	7	7	63
TOTAL	299	38	38	368

Notes:

1. In accordance with the QAPP, at least one duplicate sample was collected for every 10 field samples.
2. In accordance with the QAPP, at least one MS/MSD for organic and one MS for inorganic samples was collected for every 20 field samples.
3. In accordance with the QAPP, additional samples were forwarded to the laboratory for QA/QC purposes, including an equipment rinsate blank collected each day of field sampling, a trip blank forwarded with all volatile organic samples, and a temperature blank accompanied each cooler.
4. NA – Not Applicable.

Table 2-3
Summary of Bailey Point Sampling Program

Analytical Parameter	Field Samples	Field Duplicates (Note 1)	Number of MS/MSDs (Note 2)	Total Samples (Note 3)
Concrete				
PCB	16	3	2	21
EPH	20	6	5	31
Total Solids	20	6	5	31
Subtotal	56	15	12	83
Groundwater				
VOC	77	10	7	94
Vinyl Chloride	74	9	6	89
SVOC	63	8	6	77
PCB	51	6	4	61
Pesticide	55	7	5	67
TAL Metals	96	12	9	117
EPH	28	3	2	33
DRO	61	8	7	76
Nitrate	41	6	4	51
Anion/Alkalinity	16	2	1	19
Sulfide	16	2	1	19
Subtotal	578	73	52	703
Sediment				
VOC	48	7	5	60
SVOC	51	10	5	66
PCB	51	10	5	66
SIM PAH	80	15	6	101
PCB Congeners and Homologues	33	5	2	40
Pesticide	51	10	5	66
TAL Metals	51	10	5	66
EPH	14	3	2	19
Grain Size	38	5	NA ⁴	43
TOC	38	5	NA	43
Total Solids	80	15	7	102
Subtotal	535	95	42	672
Soil				
VOC	204	31	19	254
SVOC	170	30	21	221
PCB	182	26	18	226
Pesticide	115	17	13	145
TAL Metals	147	22	16	185

Table 2-3
Summary of Bailey Point Sampling Program

Analytical Parameter	Field Samples	Field Duplicates (Note 1)	Number of MS/MSDs (Note 2)	Total Samples (Note 3)
Iron	2	1	0	3
EPH	199	28	23	250
VPH	4	1	1	6
Total Solids	267	38	25	330
pH	12	0	0	12
Mercury	3	1	0	4
Subtotal	1305	195	136	1636
<i>Surface Water</i>				
VOC	5	1	1	7
Vinyl Chloride	5	1	1	7
SVOC	5	1	1	7
PCB	5	1	1	7
Pesticide	5	1	1	7
TAL Metals	5	1	1	7
EPH	5	1	1	7
Subtotal	35	7	7	49
<i>Tissue</i>				
SVOC	39	3	3	45
SIM PAH	39	3	3	45
PCB	39	3	3	45
PCB Congeners and Homologues	39	3	3	45
Pesticides	39	3	3	45
TAL Metals	39	3	3	45
Lipids	39	3	3	45
Subtotal	273	21	21	315
TOTAL	2782	406	270	3458

Notes:

1. In accordance with the QAPP, at least one duplicate sample was collected for every 10 field samples.
2. In accordance with the QAPP, at least one MS/MSD for organic and one MS for inorganic samples was collected for every 20 field samples.
3. In accordance with the QAPP, additional samples were forwarded to the laboratory for QA/QC purposes, including an equipment rinsate blank collected each day of field sampling, a trip blank forwarded with all volatile organic samples, and a temperature blank accompanied each cooler.
4. NA – Not Applicable.

Table 2-4
Soil Boring, Geoprobe and Monitoring Well Construction Details
Reference and Bailey Point Locations

Boring Number	Well Number	Date Drilled	Northing	Easting	Ground Surface Elevation ¹	Top of PVC Elevation ¹	Depth to Base of Fill ²	Base of Fill Elevation ¹	Bedrock Depth ²	Bedrock Elevation ¹	Screened Interval ²
Reference											
MYRSSB01	RW-01	12/11/01	409606.5	622392.7	57.5	61.0	0.0	NA ³	17.7	39.8	8.0-16.6
MYRSSB02	NA ³	9/26/01	411734.2	623977.9	43.0	NA	0.0	NA	6.5	36.5	NA
MYRSSB05	RW-02	9/26/01	411641.3	623727.0	34.3	37.1	0.0	NA	24.5	9.8	13.4-23.4
MYRSSB03	RW-03	9/20/01	412606.5	625351.5	93.4	96.2	0.0	NA	5.7	87.7	13.0-23.0
MYRSSB04	RW-04	9/24/01	410993.9	625959.8	84.6	87.4	0.0	NA	4.0	80.6	6.0-16.0
Bailey Point											
98-1-OW	98-1-OW	12/12/98	408684.9	624569.1	38.1	40.9	2.0	36.1	18.5	19.6	6.5-16.5
98-9-OW	98-9-OW	12/11/98	409081.7	624858.5	31.3	34.0	7.5	23.8	25.0	6.3	12.0-22.0
98-10-OW	98-10-OW	12/11/98	409243.6	624613.2	31.4	34.2	18.0	13.4	48.0	-16.6	4.0-14.0
B-201	B-201	5/18/89 ⁵	407335.1	623861.1	20.6	20.0	4.0	16.6	10.0	10.2	54.5-59.5
B-202	B-202	5/25/89	407377.9	623834.1	20.4	ND ⁴	10.5	9.9	15.4	5.0	7.3-66.4
B-203A	B-203A	5/20/89	407481.8	623666.5	20.8	ND	5.0	15.8	7.5	13.3	19.2-27.5
B-203B	B-203B	10/31/01	407475.9	623665.3	20.5	20.1	4.0	16.5	10.0	10.5	12.0-24.0
B-204A	B-204A	5/20/89	407788.7	623984.0	21.0	ND	9.8	11.2	9.8	11.2	23.1-30.6
B-205	B-205	5/16/89	407390.6	623772.4	20.0	19.9	9.0	11.0	9.0	11.0	2.5-13.7
B-206	B-206	5/16/89	407420.1	623823.8	19.6	19.1	13.5	6.1	13.5	6.1	11.0-23.0
B-206A	B-206A	10/30/01	407426.8	623823.8	19.8	19.5	7.5	12.3	7.5	12.3	9.5-21.0
BK-1	BK-1	6/1/92	407697.2	623734.6	21.0	20.7	16.8	4.2	16.8	4.2	8.5-16.4
MW-302A	MW-302A	10/4/01	409203.0	624679.3	29.5	32.9	15.0	14.5	43.3	-13.8	46.6-51.6
MW-302B	MW-302B	10/4/01	409200.8	624683.5	29.7	32.6	0.0	NA	>14.8	<14.9	3.7-13.7
MW-303A	MW-303A	10/8/01	408879.3	624864.7	39.1	41.4	0.0	NA	12.5	26.6	37.6-47.5
MW-303B	MW-303B	10/9/01	408876.8	624862.8	38.9	41.9	0.0	NA	13.0	25.9	4.5-12.5
MW-304A	MW-304A	10/2/01	408610.9	624504.0	45.5	48.2	0.0	NA	22.2	23.3	46.0-51.0
MW-304B	MW-304B	10/2/01	408610.6	624508.9	45.1	48.0	0.0	NA	>22	<23.1	10.7-20.7
MW-305A	MW-305A	10/4/01	409136.7	624170.9	25.2	28.0	12.0	13.2	60.3	-35.1	65.0-70.0
MW-305B	MW-305B	10/15/01	409131.8	624169.6	25.2	27.9	16.0	9.2	>16.0	<9.2	5.0-15.0

Table 2-4
Soil Boring, Geoprobe and Monitoring Well Construction Details
Reference and Bailey Point Locations

Boring Number	Well Number	Date Drilled	Northing	Easting	Ground Surface Elevation ¹	Top of PVC Elevation ¹	Depth to Base of Fill ²	Base of Fill Elevation ¹	Bedrock Depth ²	Bedrock Elevation ¹	Screened Interval ²
MY05SB01	MW-306	5/16/02	407349.9	624167.6	20.1	19.7	5.9	14.2	5.9	14.2	10.0-20.0
MY05SB02	MW-307	4/24/02	407323.5	623984.0	20.0	NA	6.5	13.6	6.5	13.6	10.0-20.0
MY05SB03	NA	4/25/02	407349.7	624085.3	20.1	NA	2.3	17.8	2.3	17.8	NA
MY05SB04	NA	10/16/01	407444.4	623780.7	20.4	NA	13.2	7.2	13.2	7.2	NA
MY05SB05	NA	10/16/01	407420.4	623789.9	20.1	NA	13.5	6.6	13.5	6.6	NA
MY05SB06	NA	10/17/01	407424.2	623757.0	20.1	NA	5.0	15.1	5.0	15.1	NA
MY05SB07	NA	10/17/01	407441.3	623736.8	19.9	NA	6.3	13.6	6.3	13.6	NA
MY05SB08	NA	10/18/01	407462.1	623732.4	19.7	NA	7.5	12.2	7.5	12.2	NA
MY05SB09	NA	10/18/01	407448.2	623757.0	19.8	NA	6.0	13.8	6.0	13.8	NA
MY05SB10	NA	10/29/01	407653.7	623667.0	20.9	NA	4.0	16.9	16.0	4.9	NA
MY05SB11	NA	10/29/01	407586.6	623659.6	20.6	NA	13.5	7.1	13.5	7.1	NA
MY05SB12	MW-312	10/22/01	407628.3	623899.2	20.4	20.1	10.5	9.9	10.5	9.9	13.0-25.7
MY05SB13	NA	10/22/01	407424.7	623847.5	19.6	NA	5.6	14.0	5.6	14.0	NA
MY05SB14	MW-317	10/29/01	407777.7	624410.0	24.9	27.7	14.0	10.9	14.2	10.7	17.0-27.0
MY05SB15	MW-308	10/30/01	407784.9	623985.9	20.7	24.1	15.4	5.3	15.4	5.3	3.5-16.0
MY05SB16	NA	10/31/01	407110.0	624280.0	19.0	NA	0.0	NA	>4.5	<14.5	NA
MY05SB17	NA	10/18/01	407897.0	624328.6	23.8	NA	5.0	18.8	5.0	18.8	NA
MY05SB18	NA	10/11/01	408006.3	623949.9	31.2	NA	1.2	30.0	>8.0	<23.2	NA
MY05SB19	NA	10/10/01	408132.7	624045.2	32.7	NA	4.0	28.7	>14.0	<18.7	NA
MY05SB20	NA	10/10/01	408216.9	624154.7	31.5	NA	8.7	22.8	8.7	22.8	NA
MY05SB21	NA	10/11/01	407976.2	624146.6	32.5	NA	5.2	27.3	5.2	27.3	NA
MY05SB22	NA	10/25/01	624552.3	408072.8	26.7	NA	NA	NA	8.4	18.3	NA
MY05SB23	MW-309	10/4/01	409749.8	623815.5	23.2	26.3	>21.0	<2.2	>21.0	<2.2	10.0-20.0
MY05SB24	NA	10/8/01	409569.1	623975.7	25.3	NA	10.5	14.84	10.5	14.8	NA
MY05SB25	MW-310	10/2/01	409376.9	625410.2	35.5	38.8	NA	NA	10.0	25.5	7.0-20.0
MY05SB36	NA	10/24/01	407942.0	623665.3	21.0	NA	4.0	17.0	>10.5	<10.5	NA
MY05SB37	MW-311	10/23/01	407999.3	623717.5	21.4	21.3	2.0	19.4	7.5	13.9	8.0-18.2

Table 2-4
Soil Boring, Geoprobe and Monitoring Well Construction Details
Reference and Bailey Point Locations

Boring Number	Well Number	Date Drilled	Northing	Easting	Ground Surface Elevation ¹	Top of PVC Elevation ¹	Depth to Base of Fill ²	Base of Fill Elevation ¹	Bedrock Depth ²	Bedrock Elevation ¹	Screened Interval ²
MY05SB38	NA	10/23/01	408042.2	623686.7	24.7	NA	2.9	21.8	2.9	21.8	NA
MY05SB39	NA	10/25/01	408034.1	623724.9	23.0	NA	6.0	17.0	6.4	16.6	NA
MY05SB40	NA	10/23/01	408067.4	623692.1	24.9	NA	3.0	21.9	3.0	21.9	NA
MY05SB41	NA	10/22/01	408088.1	623695.9	25.4	NA	1.5	23.9	2.4	23.0	NA
MY05SB42	NA	10/1/01	409798.4	624606.0	24.8	NA	>6.0	<18.9	>6.0	<18.9	NA
MY05SB43	NA	10/1/01	409781.5	624821.1	27.2	NA	>8.0	<19.2	>8.0	<19.2	NA
MY05SB44	MW-313	9/27/01	409704.1	624671.4	25.6	28.8	>16.0	<9.6	>16.0	<9.6	2.0-12.0
MY05SB45	MW-314	10/1/01	409649.9	624573.7	25.5	28.6	11.0	14.5	>19.0	<6.5	5.0-15.0
MY05SB46	MW-315	10/2/01	409581.0	624846.3	25.2	28.4	10.0	15.2	>16.0	<9.2	5.0-15.0
MY05SB47	MW-316	10/3/01	408686.7	624954.5	35.9	38.7	NA	NA	9.3	26.6	4.0-9.0
MW-318	MW-318	6/5/02	407495.4	624259.7	20.9	20.5	12.0	8.9	12.0	8.9	16.5-26.5
MY05SB48	MW-319	10/9/01	409290.3	623949.8	23.4	26.4	>16.0	<7.4	>16.0	<7.4	5.0-15.0
MY05SB49	MW-320	10/16/01	409625.7	624033.8	27.6	30.2	24.0	3.6	>32.0	<-4.4	12.3-27.3
MY05SB50	MW-321	11/14/01	408991.5	624057.4	16.1	17.9	>6.5	<9.6	>6.5	<9.6	1.5-6.5
MY05SB51	MW-322	11/14/01	408946.7	624131.8	17.4	18.7	>6.5	<10.9	>6.5	<10.9	1.5-6.5
MY05SB52	MW-323	10/17/01	410178.5	623892.1	23.7	26.7	23.5	0.2	>25.0	<-1.3	8.5-23.5
MY05SB54	MW-324	11/5/01	409584.9	625184.9	24.5	26.8	4.0	20.5	19.0	5.5	4.0-19.0
MY05SB110	NA	9/18/02	407864.6	623642.1	21.0	NA	ND	ND	6.0	15.0	NA
MW-401A	MW-401A	4/10/02	407656.8	623639.3	21.3	20.8	2.0	19.3	23.5	-2.2	29.0-39.0
MW-401B	MW-401B	4/15/02	407652.0	623639.3	21.2	20.7	2.0	19.2	>17.0	<4.2	6.0-16.0
MW-402	MW-402	4/8/02	407418.5	623727.6	20.0	19.4	1.8	18.2	1.8	18.2	9.5-19.5
MW-403	MW-403	4/18/02	407326.8	623917.1	20.2	19.7	2.7	17.6	8.2	12.0	19.0-29.0
MY05SB101	MW-404	4/29/02	408034.6	623448.4	27.1	27.1	2.0	25.1	11.3	15.8	14.7-24.7
MY05SB102	MW-405	4/29/02	407996.7	623468.3	26.5	26.5	0.5	26.0	10.0	16.5	13.3-23.3
MY05SB106A	MW-406A	5/20/02	408060.8	623593.8	26.1	25.8	6.0	20.1	25.3	0.8	30.0-40.0
MY05SB106B	MW-406B	5/28/02	408067.6	623593.9	26.1	25.6	6.0	20.1	16.0	<10.1	5.0-15.0
MY05SB103A	MW-407A	5/2/02	407959.4	623599.5	21.4	21.4	3.5	17.9	28.5	-7.1	35.0-45.0

Table 2-4
Soil Boring, Geoprobe and Monitoring Well Construction Details
Reference and Bailey Point Locations

Boring Number	Well Number	Date Drilled	Northing	Easting	Ground Surface Elevation ¹	Top of PVC Elevation ¹	Depth to Base of Fill ²	Base of Fill Elevation ¹	Bedrock Depth ²	Bedrock Elevation ¹	Screened Interval ²
MY05SB103B	MW-407B	5/8/02	407957.8	623606.1	21.4	21.4	3.6	17.8	14.6	<6.8	4.0-14.0
MY05SB105	MW-408	4/29/02	408077.1	623680.0	25.2	25.2	5.0	20.2	4.5	20.7	12.0-22.0
MY05SB104A	MW-409A	5/7/02	407948.1	623652.8	21.4	21.3	4.0	17.4	24.9	-3.5	35.0-45.0
MY05SB104B	MW-409B	5/8/02	407946.5	623658.1	21.3	20.9	4.0	17.3	15.0	<6.3	4.0-14.0
MW-413	MW-413	5/13/02	409428.3	624249.8	25.4	28.2	10.0	15.4	>22.0	<3.1	5.0-15.0
MW-414	MW-414	5/9/02	409885.9	624253.7	24.1	27.0	14.0	10.1	>20.0	<4.0	5.0-15.0
MW-415	MW-415	5/13/02	410199.7	624179.4	24.4	27.6	22.0	2.4	>28.0	<-3.6	5.0-15.0
MW-416	MW-416	5/14/02	410428.2	624028.3	24.3	27.0	16.8	7.5	>18.0	<6.0	5.0-15.0
MW-420	MW-420	9/23/02	408112.8	623698.9	25.5	25.2	2.1	23.4	2.1	23.4	10.0-25.0
MW-421	MW-421	9/19/02	407911.8	623730.4	20.9	20.7	7.5	13.4	7.5	13.4	11.3-22.3
MW-422A	MW-422A	9/17/02	407739.8	623583.7	21.8	24.6	4.0	17.8	14.0	7.8	17.8-27.8
MW-422B	MW-422B	9/18/02	407743.5	623581.3	21.6	24.4	4.0	17.6	>16.0	<5.6	4.1-14.1
MW-423A	MW-423A	9/10/02	407732.2	623496.0	18.9	21.4	0.0	NA	15.8	3.1	9.4-19.4
MW-423B	MW-423B	9/12/02	407738.1	623495.1	18.8	21.5	0.0	NA	15.8	3.0	4.9-14.9
MW-424A	MW-424A	9/4/02	408508.1	624699.2	39.4	42.2	4.0	35.4	8.0	31.4	50.0-60.0
MW-424B	MW-424B	9/9/02	408504.8	624702.3	39.2	42.0	4.0	35.2	8.0	31.2	12.2-22.2
MW-425	MW-425	9/9/02	408693.0	625045.0	28.4	30.9	0.0	NA	3.5	25.0	8.9-18.9
MW-429	MW-429	7/24/03	407868.0	624030.5	21.07	20.66	2.5	18.6	2.5	18.6	10.6-20.6
MY05GP101	NA	8/26/02	408120.9	623692.7	25.4	NA	4.0	21.4	4.0	21.4	NA
MY05GP102	NA	8/26/02	408098.8	623687.5	25.8	NA	3.3	22.5	3.3	22.5	NA
MY05GP103	NA	8/26/02	408094.8	623705.2	25.4	NA	11.3	14.1	11.3	14.1	NA
MY05GP104	NA	8/26/02	408089.1	623733.1	25.0	NA	7.5	17.5	7.5	17.5	NA
MY05GP105	NA	8/26/02	408074.8	623681.2	25.7	NA	3.2	22.5	3.2	22.5	NA
MY05GP106	NA	8/26/02	408072.8	623700.0	24.5	NA	5.9	18.6	5.9	18.6	NA
MY05GP107	NA	8/26/02	408067.2	623728.2	23.2	NA	2.8	20.4	2.8	20.4	NA
MY05GP108	NA	8/26/02	408058.0	623677.4	25.5	NA	2.4	23.1	2.4	23.1	NA
MY05GP109	NA	8/26/02	408057.5	623695.1	24.7	NA	4.1	20.6	4.1	20.6	NA

Table 2-4
Soil Boring, Geoprobe and Monitoring Well Construction Details
Reference and Bailey Point Locations

Boring Number	Well Number	Date Drilled	Northing	Easting	Ground Surface Elevation ¹	Top of PVC Elevation ¹	Depth to Base of Fill ²	Base of Fill Elevation ¹	Bedrock Depth ²	Bedrock Elevation ¹	Screened Interval ²
MY05GP110	NA	8/27/02	408048.2	623723.7	23.1	NA	2.0	21.1	2.0	21.1	NA
MY05GP111	NA	8/27/02	408031.2	623668.9	24.9	NA	0.0	NA	17.5	7.4	NA
MY05GP112	NA	8/27/02	408027.9	623686.6	24.4	NA	0.0	NA	0.0	24.4	NA
MY05GP113	NA	8/27/02	408021.3	623718.0	23.1	NA	6.2	16.9	6.2	16.9	NA
MY05GP114	NA	8/26/02	408102.5	623737.3	25.1	NA	0.0	NA	13.9	11.2	NA

Notes:

1. All elevations in feet referenced to NGVD
2. All depths in feet below ground surface (bgs)
3. NA – Not Applicable
4. ND – No Data collected
5. Original installation date, this location was re-drilled on 5/1/02

Table 2-5
Monitoring Well Field Water Quality Parameters
Reference and Bailey Point Locations

Well Number	Sample Date	Flow Rate (mL/min)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/l)	Temperature (°C)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity (NTU)
<i>Reference</i>									
RW-01	10/17/01	898	28.5	3.1	11.1	0.25	6.07	250.1	0.4
	12/6/01	150	34.4	3.9	10.0	0.20	6.02	223.3	0.4
	6/24/02	78	22.4	2.5	10.6	0.18	6.05	263.7	0.0
	9/25/02	176	17.8	2.0	11.0	0.21	5.06	245.5	0.2
RW-02	10/24/01	66	21.9	2.5	10.3	0.31	7.64	200.1	12.0
	6/25/02	18	119.0	11.8	15.4	0.16	7.00	207.6	6.6
	9/26/02	6	65.5	6.9	12.6	0.24	7.27	155.6	32.0
RW-03	10/18/01	190	13.1	1.5	10.0	0.12	6.42	-359.5 ³	1.2
	6/25/02	250	117.1	12.5	12.2	0.07	5.89	254.1	20.1
	9/25/02	188	19.1	2.1	10.9	0.08	5.77	242.5	2.5
RW-04	10/22/01	70	69.1	7.5	11.4	0.21	7.17	249.6	19.0
	6/25/02	10	23.1	2.4	14.0	0.26	7.46	216.6	5.0
	9/25/02	20	28.6	2.8	16.6	0.30	7.25	57.8	17.0
<i>Bailey Point</i>									
98-1-OW	3/15/00	200	5.8 ¹	5.8	6.4	0.18	6.51	231.3	65.0
98-9-OW	3/15/00	500	0.5 ¹	0.5	8.5	0.13	6.09	301.6	35.0
98-10-OW ²	6/14/00	B ²	B	B	B	B	B	B	B
B-201	6/13/02	21	11.3	1.2	13.4	2.80	6.40	198.1	7.3
	10/7/02	22	20.0	1.9	16.4	2.46	6.47	-10.0	4.5
B-202	12/11/01	174	17.9	1.8	13.7	0.90	6.79	185.8	0.4
	6/3/02	250	24.8	2.5	15.1	0.67	7.10	154.7	0.4
B-203B	12/5/01	12	36.4	3.9	12.3	0.51	6.25	200.5	6.3
	6/4/02	80	2.5	0.3	12.7	0.55	6.14	265.6	112
B-205	12/5/01	84	47.9	5.2	11.8	0.56	6.86	168.6	0.8
	6/5/02	930	71.0	7.8	11.1	0.65	6.91	182.6	0.4
B-206	12/10/01	96	11.0	1.2	11.1	0.60	7.96	205.9	24.0
B-206A	12/10/01	96	29.9	3.2	11.7	0.45	6.64	266.1	2.8
	6/4/02	220	64.4	7.1	10.8	0.50	8.65	182.3	1.0

Table 2-5
Monitoring Well Field Water Quality Parameters
Reference and Bailey Point Locations

Well Number	Sample Date	Flow Rate (mL/min)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/l)	Temperature (°C)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity (NTU)
BK-1	12/6/01	210	17.3	1.8	13.6	0.38	6.97	193.4	0.3
	6/6/02	280	130.8	14.3	11.31	0.72	6.93	193.9	0.08
MW-302A	12/13/01	8	31.0	3.8	6.6	0.30	7.47	184.6	80.0
	6/26/02	30	46.2	4.0	21.5	0.27	7.35	339.3	21.0
MW-302B	11/27/01	8	47.6	5.3	10.6	0.62	5.76	158.9	17.0
	7/1/02	22	117.8	10.0	23.1	0.58	5.69	142.4	5.1
	9/30/02	34	52.9	4.7	20.6	0.68	5.99	70.5	2.3
MW-303A	12/11/01	4	41.8	5.0	7.3	0.31	7.72	154.7	11.0
	6/24/02	6	54.3	4.3	26.4	0.39	7.46	100.5	4.3
MW-303B	12/5/01	60	13.1	1.4	11.4	0.19	6.04	211.3	3.9
	6/24/02	24	31.9	2.7	23.3	0.18	6.09	183.2	0.0
	10/1/02	22	87.9	8.5	16.7	0.18	6.38	168.3	3.4
MW-304A	11/15/01	48	23.7	2.6	11.6	0.13	6.82	158.4	11.0
	6/25/02	8	73.4	6.6	20.1	0.15	6.57	159.0	3.9
MW-304B	11/15/01	55	80.0	8.7	11.6	0.06	5.69	277.5	1.7
	6/25/02	26	66.1	5.9	20.69	0.07	5.25	206.8	2.7
	10/1/02	32	70.2	6.9	16.1	0.07	5.66	210.7	8.1
MW-305A	11/29/01	40	110.6	14.3	4.5	0.24	6.63	174.2	12.0
	6/26/02	20	96.2	7.8	25.6	0.25	7.12	189.3	5.4
MW-305B	11/29/01	10	67.3	7.5	10.7	1.49	6.35	260.1	40.0
	6/26/02	100	69.8	6.0	22.6	1.75	6.09	142.0	28.8
MW-306	6/11/02	240	63.5	6.9	11.8	0.67	6.01	267.7	1.8
	10/7/02	74	81.4	8.0	15.8	0.64	5.87	205.1	10.4
MW-307	6/13/02	210	9.7	1.1	11.23	0.65	8.57	-103.3	3.2
	10/7/02	76	13.9	1.4	16.2	0.73	7.70	-42.2	3.6
MW-308	12/12/01	150	2.7	0.3	9.5	0.44	7.22	62.9	3.0
	6/11/02	184	7.9	0.9	11.6	0.42	7.37	-40.2	3.3
MW-309	11/28/01	10	47.4	5.8	6.8	6.21	6.31	-35.2	4.3
	7/2/02	28	98.9	8.5	22.3	7.99	6.19	-42.6	17.0

Table 2-5
Monitoring Well Field Water Quality Parameters
Reference and Bailey Point Locations

Well Number	Sample Date	Flow Rate (mL/min)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/l)	Temperature (°C)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity (NTU)
MW-310	11/26/01	8	78.5	8.5	11.6	0.18	6.12	279.8	2.1
MW-311	11/12/01	48	6.2	0.7	10.9	0.26	6.34	-351.0	45.0
	9/30/02	20	21.3	1.9	21.7	0.33	6.10	24.2	1.6
MW-312	12/6/01	80	74.0	7.6	14.2	0.32	10.22	112.3	13.0
	6/11/02	232	4.6	0.5	13.6	0.33	10.02	62.9	9.6
MW-313	12/10/01	4	87.2	9.8	10.0	0.77	6.54	224.7	2.1
	7/3/02	10	277.0 ³	(3)	32.8 ³	1.18	5.97	439.7	18.0
	9/30/02	20	84.2	7.6	19.7	0.98	6.12	139.3	1.6
MW-314	12/3/01	8	33.5	3.7	11.4	0.60	6.28	218.9	0.8
	7/8/02	12	102.8	8.8	22.8	0.88	5.84	68.1	2.8
MW-315	11/19/01	80	13.8	1.5	12.5	1.31	6.05	153.7	0.7
	7/8/02	18	20.8	1.7	23.9	1.69	5.92	67.7	3.0
MW-316	12/6/01	8	87.3	8.4	16.8	0.15	5.90	279.6	2.2
	7/1/02	110	31.7	3.0	17.4	0.13	5.67	243.0	1.2
	9/25/02	24	41.0	3.8	19.3	0.14	5.70	246.6	1.4
MW-317	12/5/01	10	204.1 ³	(3)	14.4	0.43	5.92	203.7	5.1
MW-318	6/13/02	146	25.1	2.6	12.9	0.38	6.43	21.2	6.3
	10/7/02	36	48.4	4.6	17.6	0.47	6.71	-26.8	3.3
MW-319	11/27/01	60	17.4	1.9	11.6	0.87	6.64	-52.6	5.8
	7/2/02	184	27.5	2.8	13.6	0.67	6.46	-30.9	1.1
MW-320	11/28/01	60	20.6	2.4	8.0	2.70	5.82	86.9	1.5
	7/2/02	24	143.6	11.2	27.5	2.84	5.92	166.0	23.0
MW-321	11/27/01	22	68.9	7.6	10.7	0.53	5.97	241.1	11.7
	7/8/02	12	65.8	(3)	31.5 ³	0.31	6.26	418.6	10.0
MW-322	12/4/01	10	41.4	4.6	10.4	1.32	6.23	156.6	10.7
	7/8/02	15	95.9	7.8	25.2	1.75	6.17	37.4	5.9
MW-323	11/20/01	52	12.7	1.5	8.8	21.74	6.26	12.3	6.8
	7/9/02	10	27.5	2.4	21.8	24.80	5.84	-18.2	15.0
MW-324	12/10/01	35	19.9	2.4	7.7	0.27	6.72	-24.8	26.0

Table 2-5
Monitoring Well Field Water Quality Parameters
Reference and Bailey Point Locations

Well Number	Sample Date	Flow Rate (mL/min)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/l)	Temperature (°C)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity (NTU)
MW-401A	6/10/02	30	153.1 ³	(3)	18.0	0.39	6.21	170.3	15.9
	9/18/02	30	60.9	5.6	19.5	0.51	6.92	-15.5	7.9
MW-401B	6/10/02	50	134.9 ³	11.7	21.9	0.88	11.56	-57.2	14.3
	9/17/02	15	63.5	5.4	23.2	0.84	11.32	-5.1	20.4
MW-402	6/5/02	18	127.3	12.9	14.6	0.51	7.03	178.7	2.51
	9/18/02	10	123.9	10.9	21.1	0.14	8.10	213.8	40.1
MW-403	6/10/02	14	73.0	7.2	16.0	1.50	6.48	165.2	0.1
	10/7/02	62	13.3	1.3	15.5	0.74	6.76	75.6	3.2
MW-404	6/18/02	20	36.9	3.8	14.0	0.32	5.96	43.6	42.5
	10/2/02	24	19.0	1.8	17.9	0.41	6.22	-28.2	16.9
MW-405	6/18/02	10	25.3	2.4	17.2	0.37	6.48	246.6	5.2
	10/2/02	8.3	48.4	4.3	20.9	0.32	6.32	159.0	1.2
MW-406A	6/18/02	8	26.6	2.4	19.1	0.33	6.94	168.7	30.0
	10/3/02	9	39.0	3.5	20.0	0.38	7.03	228.6	5.3
MW-406B	6/18/02	10	39.4	3.5	20.3	0.46	7.04	165.3	15.0
	10/3/02	10	60.8	5.5	19.7	0.40	7.07	22.6	5.9
MW-407A	6/17/02	126	11.7	1.2	12.7	0.29	6.72	-34.1	3.2
	10/2/02	36	113.0	9.9	21.5	0.26	6.76	-48.2	1.9
MW-407B	6/18/02	10	5.9	0.5	18.8	0.40	7.30	231.2	3.0
	10/2/02	6	83.7	6.9	24.4	0.32	6.93	260.5	7.0
MW-408	6/17/02	174	48.2	5.0	13.2	0.67	5.81	180.8	0.0
	10/2/02	104	165.4 ³	(3)	17.7	0.54	5.89	267.8	2.4
MW-409A	6/17/02	5	13.8	1.5	12.6	0.25	6.60	209.6	2.2
	10/2/02	46	38.9	3.6	18.8	0.26	6.55	60.5	2.6
MW-409B	6/17/02	2	51.3	4.9	16.9	0.27	7.02	205.1	0.0
	10/2/02	10	49.2	4.0	25.1	0.32	6.92	284.6	2.9
MW-413	6/19/02	72	15.9	1.6	16.0	1.04	5.90	-6.5	11.0
	9/25/02	90	10.2	1.0	17.0	0.95	5.83	-59.6	11.9
MW-414	6/19/02	10	39.7	3.3	23.9	1.94	5.85	76.9	26.3

Table 2-5
Monitoring Well Field Water Quality Parameters
Reference and Bailey Point Locations

Well Number	Sample Date	Flow Rate (mL/min)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/l)	Temperature (°C)	Conductivity (mS/cm)	pH	ORP (mV)	Turbidity (NTU)
	9/26/02	16	23.8	2.3	16.9	2.50	5.89	32.5	49.1
MW-415	6/24/02	10	48.3	4.0	24.8	20.37	5.61	35.9	28.9
	9/30/02	4	73.4	6.0	25.0	9.25	5.62	70.1	15.4
MW-416	6/20/02	546	46.2	5.1	10.9	1.50	6.31	-43.9	9.2
	9/26/02	26	42.1	3.7	20.7	2.82	6.01	32.6	20.0
MW-420	10/1/02	290	25.8	2.6	14.5	0.40	6.34	152.7	4.1
MW-421	10/1/02	126	8.1	0.8	17.1	0.46	6.58	-27.4	3.8
MW-422A	10/1/02	34	65.9	6.1	18.9	0.32	6.49	191.7	4.4
MW-422B	10/1/02	10	76.6	6.6	22.5	0.19	6.65	210.0	40.0
MW-423A	10/3/02	30	19.6	2.1	12.9	0.31	6.78	-2.4	8.0
MW-423B	10/3/02	30	36.2	3.8	12.7	0.24	6.52	215.8	3.4
MW-424A	9/26/02	30	19.2	1.7	19.8	0.19	7.16	-49.5	45.0
MW-424B	9/25/02	45	63.2	5.7	20.2	0.23	6.47	127.3	8.5
MW-425	9/24/02	200	17.2	1.7	15.7	0.16	5.72	253.7	0.0
MW-429	9/29/03	30	68.2	6.16	19.87	0.213	7.22	241.6	(3)

Notes:

1. Dissolved Oxygen measured in milligrams per liter (mg/L).
2. Water quality parameters not collected, well sampled using a bailer (B).
3. Water quality parameters not representative of in-situ conditions.

Units:

mL/min – milliliters per minute
 % - percent
 °C – degrees Celsius
 mS/cm – milliSiemens per centimeter
 mV – millivolts
 NTUs – Nephelometric Turbidity Units

Table 2-6
Groundwater Elevations
Reference and Bailey Point Locations

Well Number	Groundwater Elevation¹ 12/11/01	Depth to Groundwater² 12/11/01	Groundwater Elevation¹ 4/01/02	Depth to Groundwater² 4/01/02	Groundwater Elevation¹ 9/16/02	Depth to Groundwater² 9/16/02	Groundwater Elevation¹ 11/13/02	Depth to Groundwater² 11/13/02
<i>Reference</i>								
RW-01	61.26	-0.24	62.06	-1.04	57.87	3.15	NM ³	NM
RW-02	15.09	22.05	24.63	12.51	16.03	21.11	NM	NM
RW-03	89.74	6.45	94.60	1.59	87.99	8.20	NM	NM
RW-04	80.43	6.97	84.61	2.79	79.20	8.20	NM	NM
<i>Bailey Point</i>								
98-1-OW	NM	NM	NM	NM	NM	NM	NM	NM
98-9-OW	NM	NM	NM	NM	NM	NM	NM	NM
98-10-OW	NM	NM	NM	NM	NM	NM	NM	NM
B-201	8.51	11.45	12.14	7.82	9.07	10.89	NM	NM
B-202	NM	NM	NM	NM	8.43	11.95	NM	NM
B-203A	NM	NM	NM	NM	NM	NM	NM	NM
B-203B	9.54	10.57	12.20	7.91	10.83	9.28	NM	NM
B-204A	NM	NM	NM	NM	NM	NM	NM	NM
B-205	8.21	11.67	10.38	9.50	8.54	11.34	NM	NM
B-206	8.25	10.88	10.81	8.32	9.30	9.83	NM	NM
B-206A	8.33	11.19	10.78	8.7	10.21	9.3	NM	NM
BK-1	11.86	8.80	11.95	8.71	11.03	9.63	11.94	8.72
MW-302A	26.37	6.53	27.84	5.06	26.21	6.69	NM	NM
MW-302B	26.17	6.39	26.30	6.26	29.48	3.08	NM	NM
MW-303A	29.79	11.65	34.65	6.79	30.03	11.41	NM	NM
MW-303B	30.48	11.42	35.32	6.58	30.32	11.58	NM	NM
MW-304A	28.95	19.29	34.47	13.77	29.62	18.62	NM	NM
MW-304B	30.03	18.01	36.81	11.23	30.87	17.17	NM	NM
MW-305A	18.10	9.86	18.89	9.07	17.65	10.31	NM	NM
MW-305B	13.20	14.71	17.82	10.09	17.49	10.42	NM	NM
MW-306	NI ⁴	NI	NI	NI	11.23	8.43	NM	NM

Table 2-6
Groundwater Elevations
Reference and Bailey Point Locations

Well Number	Groundwater Elevation ¹ 12/11/01	Depth to Groundwater ² 12/11/01	Groundwater Elevation ¹ 4/01/02	Depth to Groundwater ² 4/01/02	Groundwater Elevation ¹ 9/16/02	Depth to Groundwater ² 9/16/02	Groundwater Elevation ¹ 11/13/02	Depth to Groundwater ² 11/13/02
MW-307	NI	NI	NI	NI	11.68	8.37	NM	NM
MW-312	9.10	10.96	10.49 ⁵	9.57 ⁵	11.35	8.71	NM	NM
MW-317	9.98	17.73	12.02	15.69	9.08	18.63	NM	NM
MW-308	14.57	9.51	16.15	7.93	14.00	10.08	15.62	8.46
MW-309	7.12	19.14	7.81	18.45	6.36	19.90	NM	NM
MW-310	23.59	15.17	25.92	12.84	24.79	13.97	NM	NM
MW-311	14.00	7.26	15.45	5.81	13.91	7.35	15.22	6.04
MW-313	23.34	5.49	24.49	4.34	22.11	6.72	NM	NM
MW-314	20.23	8.38	22.28	6.33	20.68	7.93	NM	NM
MW-315	23.24	5.14	24.43	3.95	23.08	5.30	NM	NM
MW-316	28.40	10.28	34.52	4.16	29.18	9.50	NM	NM
MW-318	NI	NI	NI	NI	8.08	12.40	NM	NM
MW-319	13.62	12.78	14.51	11.89	13.49	12.91	NM	NM
MW-320	14.91	15.29	17.03	13.17	16.95	13.25	NM	NM
MW-321	15.55	2.32	15.59	2.28	14.83	3.04	NM	NM
MW-322	16.36	2.33	16.50	2.19	15.74	2.95	NM	NM
MW-323	11.57	15.10	14.10	12.57	12.27	14.40	NM	NM
MW-324	22.48	4.32	25.68	1.12	22.05	4.75	NM	NM
MW-401A	NI	NI	NI	NI	8.75	12.05	9.48	11.32
MW-401B	NI	NI	NI	NI	15.72	4.94	16.77	3.89
MW-402	NI	NI	NI	NI	10.80	8.64	NM	NM
MW-403	NI	NI	NI	NI	9.39	10.28	NM	NM
MW-404	NI	NI	NI	NI	8.23	18.90	9.11	18.02
MW-405	NI	NI	NI	NI	9.58	16.89	10.40	16.07
MW-406A	NI	NI	NI	NI	18.83	6.95	17.25	8.53
MW-406B	NI	NI	NI	NI	18.67	6.90	19.31	6.26
MW-407A	NI	NI	NI	NI	NM	NM	14.87	6.56

Table 2-6
Groundwater Elevations
Reference and Bailey Point Locations

Well Number	Groundwater Elevation ¹ 12/11/01	Depth to Groundwater ² 12/11/01	Groundwater Elevation ¹ 4/01/02	Depth to Groundwater ² 4/01/02	Groundwater Elevation ¹ 9/16/02	Depth to Groundwater ² 9/16/02	Groundwater Elevation ¹ 11/13/02	Depth to Groundwater ² 11/13/02
MW-407B	NI	NI	NI	NI	17.49	3.86	18.97	2.38
MW-408	NI	NI	NI	NI	16.17	9.02	18.11	7.08
MW-409A	NI	NI	NI	NI	12.76	8.53	14.13	7.16
MW-409B	NI	NI	NI	NI	16.26	4.60	18.69	2.17
MW-413	NI	NI	NI	NI	17.11	11.14	NM	NM
MW-414	NI	NI	NI	NI	18.43	8.55	NM	NM
MW-415	NI	NI	NI	NI	18.05	9.50	NM	NM
MW-416	NI	NI	NI	NI	18.74	8.25	NM	NM
MW-420	NI	NI	NI	NI	NI	NI	18.16	6.99
MW-421	NI	NI	NI	NI	NI	NI	12.98	7.76
MW-422A	NI	NI	NI	NI	NI	NI	11.08	13.51
MW-422B	NI	NI	NI	NI	NI	NI	13.97	10.48
MW-423A	NI	NI	NI	NI	10.47	10.90	11.74	9.63
MW-423B	NI	NI	NI	NI	12.47	9.02	10.61	10.88
MW-424A	NI	NI	NI	NI	29.08	13.16	NM	NM
MW-424B	NI	NI	NI	NI	29.45	12.50	NM	NM
MW-425	NI	NI	NI	NI	24.05	6.88	NM	NM

Notes:

1. Elevations in feet referenced to NGVD
2. All depths in feet below ground surface (bgs)
3. NM – Water level Not Measured
4. NI – Monitoring well Not Installed by this date
5. Water level collected 4/4/02

Table 2-7
Test Pit Construction Details
Bailey Point

Test Pit Number	Date Excavated	Northing	Easting	Ground Surface Elevation ¹	Depth of Pit ²	Refusal?	Depth to Base of Fill ²	Base of Fill Elevation ¹	Depth to Bedrock ²	Bedrock Elevation ¹	Depth to GW ²	GW Elevation ¹
MY05TP01	10/23/01	408020.3	623480.2	28.4	10.0	N	0.5	27.9	10.0	18.4	>10.0	<18.4
MY05TP02	10/24/01	408098.4	623479.1	28.7	4.8	Y	2.5	26.2	4.8	23.9	>4.8	<23.9
MY05TP03	10/23/01	408155.7	623511.3	30.0	7.5	Y	0.0	30.0	7.5	22.5	>7.5	<22.5
MY05TP06	10/22/01	407835.7	623577.4	20.6	6.5	N	2.5	18.1	>6.5	<14.1	6.0	14.6
MY05TP07	10/27/01	407869.2	623605.1	20.9	5.5	Y	5.5	15.4	5.5	15.4	>5.5	<15.4
MY05TP08	10/22/01	407904.1	623591.4	20.7	6.5	Y	5.0	15.7	6.5	14.2	>6.5	<14.2
MY05TP09	11/28/01	407949.7	623467.0	26.2	10.7	Y	1.9	24.3	10.7	15.6	8.0	18.2
MY05TP10	11/27/01	407978.2	623472.3	27.0	10.0	Y	2.5	24.5	10.0	17.0	>10.0	<17.0
MY05TP12	11/27/01	408003.8	623459.4	26.6	7.3	Y	0.0	26.6	7.3	19.2	>7.3	<19.2
MY05TP13	11/27/01	408000.3	623436.5	26.2	8.3	Y	0.0	26.2	8.3	17.9	>8.3	<17.9
MY05TP15	11/27/01	408029.3	623456.8	27.0	9.0	Y	0.5	26.5	9.0	18.0	>9.0	<18.0
MY05TP16	11/27/01	408038.0	623440.1	26.7	8.5	Y	1.5	25.2	8.5	18.2	>8.5	<18.2
MY05TP18	11/28/01	408063.8	623447.0	27.3	9.8	Y	1.5	25.8	9.8	17.5	>9.8	<17.5
MY05TP19	11/26/01	408052.1	623482.7	29.6	13.3	Y	0.0	29.6	13.3	16.3	>13.3	<16.3
MY05TP21	11/26/01	408109.1	623458.3	26.8	3.5	Y	0.0	26.8	3.5	23.3	>3.5	<23.3
MY05TP101	6/19/02	409582.5	625206.4	33.5	4.5	N	>4.5	<29.0	>4.5	<29.0	4.5	29.0
MY05TP102	6/19/02	409566.7	625213.0	34.0	5.0	N	2.5	31.6	>5.0	<29.0	2.5	31.6
MY05TP103	6/19/02	409581.4	625196.8	32.7	5.0	N	3.0	29.7	>5.0	<27.7	3.0	29.7
MY05TP104A	6/17/02	408716.9	624972.3	37.6	8.0	N	0.0	37.6	>8.0	<29.6	7.0	30.6
MY05TP104B	6/17/02	408727.3	624987.5	37.4	10.0	N	0.0	37.4	>10.0	<27.4	9.0	28.4
MY05TP104C	6/17/02	408740.6	624999.7	38.6	7.0	N	0.0	38.6	>7.1	<31.5	7.0	31.6
MY05TP104D	6/17/02	408728.8	624981.1	38.2	9.0	N	4.0	34.2	9.0	29.2	>9.0	<29.2
MY05TP104E	6/17/02	408761.8	624948.5	43.2	12.0	N	2.0	41.2	12.0	31.2	9.0	34.2
MY05TP104F	6/17/02	408784.1	624921.2	43.9	12.0	N	2.0	41.9	12.0	31.9	10.0	33.9
MY05TP104G	6/17/02	408764.8	624905.8	43.9	17.5	Y	NA ³	NA	NA	26.4	10.0	33.9
MY05TP104H	6/17/02	408746.3	624890.9	44.5	17.5	Y	0.0	44.5	17.5	27.0	7.0	37.5

Table 2-7
Test Pit Construction Details
Bailey Point

Test Pit Number	Date Excavated	Northing	Easting	Ground Surface Elevation ¹	Depth of Pit ²	Refusal?	Depth to Base of Fill ²	Base of Fill Elevation ¹	Depth to Bedrock ²	Bedrock Elevation ¹	Depth to GW ²	GW Elevation ¹
MY05TP104I	6/17/02	408728.8	624981.0	38.2	10.0	N	2.0	36.2	10.0	28.2	8.0	30.2
MY05TP104J	6/17/02	408706.2	625001.8	34.9	6.0	Y	0.0	34.9	6.0	28.9	5.0	29.9
MY05TP104K	6/17/02	408715.1	625011.6	34.5	6.0	Y	0.0	34.5	6.0	28.5	5.0	29.5
MY05TP104L	6/18/02	408806.9	624896.1	44.7	18.0	Y	2.0	42.7	18.0	26.7	10.0	34.7
MY05TP104M	6/18/02	408788.3	624879.0	44.6	15.0	N	2.0	42.6	15.0	29.6	10.0	34.6
MY05TP104N	6/18/02	408770.4	624862.4	44.9	15.0	N	2.0	42.9	15.0	29.9	10.0	34.9
MY05TP104O	6/18/02	408824.8	624912.5	44.6	16.0	Y	2.0	42.6	16.0	28.6	>16.0	<28.6
MY05TP104P	6/18/02	408758.7	624972.7	42.6	21.0	Y	2.5	40.2	21.0	21.6	9.0	33.6
MY05TP104Q	6/18/02	408732.2	624953.7	41.7	18.0	N	2.0	39.7	>18.0	<23.7	9.0	32.7
MY05TP105	5/16/02	407428.5	624165.1	19.7	4.0	N	>4.0	<15.7	>4.0	<15.7	>4.0	<15.7
MY05TP107	6/3/02	409906.1	623991.2	24.6	15.0	N	5.0	19.6	>15.0	<9.6	>15.0	<9.6
MY05TP107A	6/3/02	409891.1	623991.2	24.6	15.0	N	ND ⁴	ND	>15.0	<9.6	10.0	14.6
MY05TP108 - 345	6/3/02	409878.4	623986.5	25.0	15.0	N	>15.0	<10.0	>15.0	<10.0	10.0	15.0
MY05TP108 - BH	6/19/02	ND	ND	ND	4.0	N	ND	ND	ND	ND	ND	ND
MY05TP109	6/3/02	409854.0	623981.7	24.9	15.0	N	>15.0	<9.9	>15.0	<9.9	9.5	15.4
MY05TP110	6/3/02	409830.8	623977.6	25.0	15.0	N	>15.0	<10.0	>15.0	<10.0	10.0	15.0
MY05TP110A	6/4/02	409815.8	623977.6	25.0	15.0	N	ND	ND	ND	ND	11.5	13.5
MY05TP111	6/4/02	409806.9	623973.2	25.0	15.0	N	>15.0	<10.0	>15.0	<10.0	>15.0	<10.0
MY05TP111A	6/4/02	409791.9	623973.2	25.0	15.0	N	ND	ND	ND	ND	11.5	13.5
MY05TP112	6/4/02	409781.8	623969.1	24.8	15.0	N	>15.0	<9.8	>14.9	<9.9	11.5	13.4
MY05TP113	6/5/02	409757.0	623964.8	25.2	15.0	N	>15.0	<10.2	>15.0	<10.2	10.3	14.8
MY05TP114	6/5/02	409732.5	623960.3	25.1	15.0	N	>15.0	<10.1	>15.0	<10.1	12.0	13.1
MY05TP115	6/5/02	409707.7	623956.1	25.2	15.0	N	>15.0	<10.2	>15.0	<10.2	>15.0	<10.2
MY05TP116	6/6/02	409683.3	623951.9	25.2	15.0	N	>15.0	<10.2	>15.0	<10.2	>15.0	<10.2
MY05TP117	6/6/02	409658.5	623947.5	25.0	15.0	N	>15.0	<10.0	>15.0	<10.0	>15.0	<10.0
MY05TP118	6/6/02	409634.0	623943.4	24.8	15.0	N	14.0	10.8	>15.0	<9.8	>15.0	<9.8

Table 2-7
Test Pit Construction Details
Bailey Point

Test Pit Number	Date Excavated	Northing	Easting	Ground Surface Elevation ¹	Depth of Pit ²	Refusal?	Depth to Base of Fill ²	Base of Fill Elevation ¹	Depth to Bedrock ²	Bedrock Elevation ¹	Depth to GW ²	GW Elevation ¹
MY05TP119-345	6/6/02	409609.3	623938.6	25.0	15.0	N	13.6	11.4	>15.0	<10.0	>15.0	<10.0
MY05TP119-FPPH	10/28/02	408242.4	623766.7	20.0	4.0	Y	4.0	16.0	4.0	16.0	3.0	17.0
MY05TP120	6/6/02	409584.8	623934.2	24.6	15.0	N	13.6	11.0	>15.0	<9.6	>15.0	<9.6
MY05TP121	6/6/02	409560.2	623929.9	24.2	15.0	N	14.3	9.9	>15.0	<9.2	>15.0	<9.2
MY05TP122	6/6/02	409535.6	623924.9	24.6	15.0	N	14.0	10.6	>15.0	<9.6	>15.0	<9.6
MY05TP123	6/6/02	409512.1	623920.6	24.3	15.0	N	14.0	10.3	>15.0	<9.3	>15.0	<9.3
MY05TP124	6/10/02	409489.6	623931.4	24.5	15.0	N	14.0	10.5	>15.0	<9.5	>15.0	<9.5
MY05TP125	6/10/02	409467.5	623942.4	24.8	15.0	N	14.0	10.8	>15.0	<9.8	>15.0	<9.8
MY05TP126	6/10/02	409444.6	623953.0	24.6	8.0	N	>8.0	<16.6	>8.0	<16.6	>8.0	<16.6
MY05TP129	6/10/02	409376.7	623985.7	25.9	15.0	N	14.0	11.9	>15.0	<10.9	14.0	11.9
MY05TP130	6/10/02	409354.6	623995.5	26.3	15.0	N	>15.0	<11.3	>15.0	<11.3	>15.0	<11.3

Notes:

1. All elevations in feet referenced to NGVD
2. All depths in feet below ground surface (bgs)
3. NA – Not Applicable
4. ND – No Data collected

Table 2-8
Summary of Diffuser Sampling Program

Analytical Parameter	Field Samples	Field Duplicates	Number of MS/MSDs	Total Samples
<i>Reference</i>				
VOC	2	0	0	2
SVOC	2	0	0	2
PCB	2	0	0	2
SIM PAH	2	0	0	2
PCB Congeners and Homologues	2	0	0	2
Pesticide	2	0	0	2
TAL Metals	2	0	0	2
EPH	2	0	0	2
Grain Size	2	0	NA	2
TOC	2	0	0	2
Total Solids	2	0	0	2
<i>Diffuser</i>				
VOC	6	1	2	9
SVOC	6	1	2	9
PCB	6	1	2	9
SIM PAH	6	1	2	9
PCB Congeners and Homologues	6	1	2	9
Pesticide	6	1	2	9
TAL Metals	6	1	2	9
EPH	6	1	2	9
Grain Size	6	1	NA	7
TOC	6	1	2	9
Total Solids	6	1	2	9
TOTAL	88	11	20	119

**Table 2-9
Summary of Field TSA**

Finding	Category*	Corrective Action
Oxygen/LEL meter not operating correctly.	Neutral	Oxygen/LEL meter replaced. The drilling was being conducted at a reference location where contamination was not anticipated.
Damage to existing monitoring wells.	Neutral	Completed planned soil borings as monitoring wells following communication with MDEP. The change was documented using the QAPP change order process and would be documented in RFI Report.
Collected soil boring surface sample approximately 5 feet from proposed boring location.	Nonconformance (Weakness)	Corrected in field; field crews instructed to collect surface sample prior to setting up soil boring rig.
Analyte-free water not being used to prepare equipment blank.	Nonconformance (Weakness)	Corrected in field; field crews instructed to perform final decontamination rinse using HPLC grade analyte-free water.
Information regarding soil sampling not fully documented.	Nonconformance (Weakness)	Corrected in field; the required information was documented elsewhere, which was transcribed into the field logbook. This modification was documented through QAPP page revisions.
Modified sediment sample location identifiers.	Neutral	Modification properly documented in field logbook and documented through QAPP page revisions.
Modifications to subtidal sample locations.	Positive	Noteworthy modification properly documented in field logbook and communicated to project leads.
Health and safety training for individual involved with collection of sediment and biota samples.	Neutral	Training not necessary based on current level of understanding of chemical contamination.
Collected surface water samples using a peristaltic pump with Teflon tubing.	Positive	Use of the peristaltic pump reduces the potential for cross contamination and eliminates the need for equipment decontamination.
Change in surface water sample location.	Positive	The relocation was required to obtain sufficient volume and representative sample.
Monitoring well not fitted with padlock	Nonconformance (Weakness)	Corrected in field; a padlock was installed.

Notes:

* Category descriptions:

Positive – noteworthy practices or conditions;

Neutral – observations, which are neither positive nor negative; and

Nonconformances – deviations from standards and documented practices, subdivided into deficiencies (adverse impact to data quality) and weaknesses (could result in unacceptable data).

Table 2-10
Summary of Laboratory TSA

Finding	Category*	Corrective Action
<i>Katahdin Analytical Services</i>		
Shipping coolers should be managed in a way to minimize potential exposure to cooler contents.	Neutral	Required coolers with broken samples to be opened in the hood or outside. Additional hood space may be acquired.
The volume and traceability of supplemental preservative for pH adjustment not recorded.	Nonconformance (Weakness)	A procedure for tracking and recording lot numbers for these preservatives was initiated.
Incomplete documentation for storage refrigerator temperatures.	Nonconformance (Weakness)	Laboratory personnel were reminded of the documentation requirements associated with sample storage.
Time delay between removal and return of samples from storage refrigerators.	Nonconformance (Weakness)	Analysts were reminded about the conditions associated with sample storage.
Illegible internal custody records.	Nonconformance (Weakness)	Analysts were reminded of documentation requirements.
Out of date training records.	Nonconformance (Weakness)	Analysts were reminded of documentation requirements.
Have not performed or compiled proficiency demonstrations for all SW -846 methods.	Nonconformance (Weakness)	Analysts were reminded of documentation requirements. Training is ongoing and documented upon completion.
Incomplete implementation of root cause corrective action program.	Nonconformance (Weakness)	Completion and implementation of the root cause corrective action program will be completed in a timely manner.
Client confidentiality not maintained.	Nonconformance (Weakness)	The information reviewed was not related to Maine Yankee and was not considered confidential.
Complete validation of software system.	Positive	Validation will be performed when the new system is put on-line.
Balance not verified with weights that cover the torsion range of object(s) being weighed during organic extraction.	Neutral	Difference is considered minimal.
Improper depth of sonic probe during organic extraction.	Nonconformance (Weakness)	General guidance is followed and the depth is dependent on the level of the soil, the level of the solvent and on the specific manufacturer's instructions.
SVOC spiking solutions not stored as specified in SW -846 methods.	Nonconformance (Weakness)	Policies will be evaluated and corrected if these conditions adversely affect the analyses.
Improper storage of SVOC extracts.	Nonconformance (Weakness)	The materials are stored per Method 3550B and 3520C.
Confirm correct hardware being used for Method 8260B.	Nonconformance (Weakness)	Equivalent performance was demonstrated to allow for an alternative purge device as allowed by Method 5030B.

Table 2-10
Summary of Laboratory TSA

Finding	Category*	Corrective Action
Not using recommended internal standards for 8260B analysis.	Neutral	The compounds are considered acceptable per the 8260B Method and are specified in the QAPP.
Encore extraction log not signed by the analyst.	Nonconformance (Weakness)	Analysts were reminded of documentation requirements.
Using a water laboratory control matrix for soil 8260B analysis.	Nonconformance (Weakness)	Unable to locate a certified soil or solid matrix for volatile organic LCS. An example of a blank soil was provided.
Only spiking for the five control analytes for LCS and MS/MSD for 8260B analysis.	Neutral	The QAPP states that 70-130% recovery criteria will be used and that action will be taken on a short list of compounds. It is understood that in some cases the corrective action does not necessarily change the application of data validation guidelines and resultant flagging of data.
Not spiking for all analytes of interest for LCS and MS/MSD for 8260B analysis.	Nonconformance (Weakness)	Because there is no historical data available, this guidance for spiking levels does not apply.
Illegible entries in the GC/MS VOA injection log.	Nonconformance (Weakness)	Analysts were reminded of documentation requirements.
Only spiking for the control analytes for LCS and MS/MSD for 8270C analysis.	Neutral	The QAPP lists specific recovery criteria for a short list of compounds only and the actions to be taken on those compounds. It is understood that in some cases the corrective action does not necessarily change the application of data validation guidelines and resultant flagging of data.
Not spiking for all analytes of interest for LCS and MS/MSD for 8270C analysis.	Nonconformance (Weakness)	Because there is no historical data available, this guidance for spiking levels does not apply.
Should use the dual-column reporting scenario required by Method 8081A/8082.	Nonconformance (Weakness)	The practice for reporting of dual column methods was revised consistent with the appropriate SW -846 methods.
Should use volumetric lab ware for metals preparation.	Nonconformance (Weakness)	This slight difference is insignificant compared to the tolerances presented in the guidance. The difference is also minimized since the initial and final volumes were measured against the same criteria.
Verify that the reagent water used for metals preparation meets ASTM specifications.	Neutral	The ASTM Type water does not need to be used to meet the project DQOs and is well below the PQLs. Laboratory grade DI water is used for analyses, which is continuously monitored through the use of preparation blanks.
Not adhering to the weighing scenario indicated in Method 7471A.	Nonconformance (Weakness)	The metals supervisor reminded all mercury analysts of this requirement.
Not using a reference blank matrix for soils for Method 6010B preparation.	Nonconformance (Weakness)	Unable to locate a clean sand matrix to use for a metal blank and an equivalent method is used consistent with method requirements.
Should supplement standard criteria with the criteria established in SW -846 for decision-critical parameters.	Nonconformance (Weakness)	The blank criteria specified in the method are not needed to meet the project DQOs and the criteria outlined in the QAPP are being followed.

Table 2-10
Summary of Laboratory TSA

Finding	Category*	Corrective Action
For Methods 8260B and 8270C, should not use the average relative response factor from the initial calibration.	Nonconformance (Weakness)	An option allowed by the method is followed and calculated appropriately. As required, the client is informed by way of the client narrative attached to the analytical results.
Some MDL studies were more than one year old.	Nonconformance (Weakness)	Analysts were reminded of this requirement and a schedule was created for completing outstanding MDL studies.
Should evaluate MDL studies for conformance with method requirements.	Neutral	MDLs are reviewed to ensure that they are consistent with history.
Some laboratory QLs are not always within 5 to 10 times MDL as per SW-846.	Neutral	The QLs used are those specified in the QAPP and are appropriate for meeting the DQOs established for the project.
<i>Arthur D. Little</i>		
Not using one sample log-in checklist for each cooler of samples received and not recording the temperature of each cooler on the checklist.	Neutral	Findings were noted.
Organic extraction log batch sheets not numbered or bound, and do not indicate a place for supervisory review.	Neutral	The extractions supervisor documented a review of the extraction records and is exploring improved methods for providing an audit trail.
The acceptance criteria for the balance used in the extraction laboratory is not indicated in the logbook.	Neutral	Acceptance criteria for balance verification were added to the logbooks.
Expired standards are retained as reference in the same refrigerator as working standards.	Neutral	Findings were noted.
The laboratory criteria used for SVOCs by GC/MS for the initial calibration is less than 25% RSD.	Nonconformance (Weakness)	For compounds whose calibration RSD exceeds 15%, the laboratory will use the alternate calibration models described in SW-846 8000, which will be documented in the case narratives.
Provide the "before" and "after" chromatograms for each manual integration performed.	Nonconformance (Weakness)	The raw "before" data for the GC/MS (and GC/ECD) is archived and available upon request.
Training files did not contain initial demonstrations of capability.	Nonconformance (Weakness)	The training files were updated to include method proficiency documentation as required in SW-846.
<i>Southwest Research Institute</i>		
Laboratory redesign, new buildings and reorganization.	Neutral	The restructure was completed.

Table 2-10
Summary of Laboratory TSA

Finding	Category*	Corrective Action
Laboratory busy.	Neutral	November and December are busy months as field work is completed prior to winter months. Additional staff was obtained and trained during this time period.
Training files did not contain initial demonstrations of precision and accuracy.	Neutral	The documentation was added to the personnel training files.
Training files did not contain initial demonstrations of proficiency.	Neutral	The documentation was added to the personnel training files.
Some records were incomplete and lacked sufficient detail to confirm closure.	Neutral	New categories for the NCR system and program were reviewed and training was conducted. The system was completed for a smoother process to document closure.
A second source standard was not used to verify the instrument calibration for SVOC analysis.	Neutral	The process was reviewed and a procedure was determined to provide documentation for verifying a lot of initial calibration standards.
The expiration date of a working level standard may not be tied to the earliest expiration date of a component standard.	Nonconformance (Weakness)	The process was verified to confirm that working level standards are tied to the earliest expiration dates of a component standard.
A second source standard was not used to verify the instrument calibration for 8081A/8082 analysis.	Neutral	The process was reviewed and a procedure was determined to provide documentation for verifying a lot of initial calibration standards.
Calibrated pipettes not used to prepare standards.	Nonconformance (Weakness)	Calibrated pipettes or Class a pipettes identified with a lot number will be used for standard prep.
Several reagents in wet chemistry had shelf lives in excess of ten years.	Nonconformance (Weakness)	A review was performed on the reagent expiration procedure to evaluate the documentation requirements for this process.
The preparation of working-level standards for nitrate was not documented.	Neutral	A review was performed on the reagent expiration procedure to evaluate the documentation requirements for this process.
Only major instrument maintenance was being documented in the maintenance logbook.	Neutral	Maintenance in wet chemistry was evaluated to provide information similar to the metals maintenance documentation.
The laboratory does not have a manual integration policy.	Nonconformance (Weakness)	A review and evaluation was performed to provide a procedure for the manual integration process.
EA Engineering		
No quality issues noted during review of sample receipt process.	Positive	Finding noted.
Sediment had high temperature upon receipt.	Nonconformance (Weakness)	Finding noted. No affect on data quality was indicated.
Samples received later than expected.	Neutral	Communication with the carrier was initiated to document reasons for the delay.

Table 2-10
Summary of Laboratory TSA

Finding	Category*	Corrective Action
Samples held in refrigerator prior to sieving.	Positive	Finding noted.
Well qualified personnel.	Positive	Finding noted.
Log sheets maintained and accessible, and nonconformance notes taken.	Positive	Finding noted.
Client confidentiality maintained; all samples were labeled as Katahdin.	Neutral	Client confidentiality for this project will be improved as requested.
Measurements of DO and pH, calibration of instruments and logs were in conformance with QAPP.	Positive	Finding noted.
Observed Leto test.	Neutral	Adult organisms are not examined under a dissecting microscope at the end of the test to determine survival. Adults are of sufficient size, and activity level to determine without microscope.
Observed Neanthes test.	Neutral	Adult organisms are not examined under a dissecting microscope at the end of the test to determine survival. Adults are of sufficient size, and activity level to determine without microscope.
A log was maintained on all test organisms.	Positive	Finding noted.
Laboratory has independent QA officer on site.	Positive	Finding noted.
Live organisms were not systematically removed from sediment before the tests were initiated.	Neutral	Standard sediment test protocols recommend not sieving samples unless potentially predatory organisms are present, thus samples were not sieved for the Neanthes arenaceodentata test. The Leptocheirus plumulosus procedure requires that each sample be sieved through a 250 micron sieve prior to testing, and this was accomplished prior to test setup.
Lepto protocols were revised by EPA.	Nonconformance (Weakness)	A Protocol Amendment Form for the Leptocheirus plumulosus test was submitted, documenting the microscopic examination of surviving adults is no longer part of the test termination procedure. The QAPP was revised to reflect the change in protocol.

Notes:

* Category descriptions:

Positive – noteworthy practices or conditions;

Neutral – observations, which are neither positive nor negative; and

Nonconformances – deviations from standards and documented practices, subdivided into deficiencies (adverse impact to data quality) and weaknesses (could result in unacceptable data).

Table 2-11
Summary of Data Validation TSA

Finding	Category*	Corrective Action
The data validation report for SDG 005 incorrectly noted that the equipment blanks did not detect target compounds.	Neutral	The equipment blank for the sediment sampling was included in SDG 006. No contamination was reported in the equipment blank and no data in SDG 005 or SDG 006 were qualified based on the blank results.
Data were not qualified in SDG 005, 007, 009, 015, 016, 020, 021, 023, T001, T002, T003, and T004, since ICP serial dilution results were not reported.	Neutral	The lack of ICP serial dilution samples by the laboratory did not appear to have an adverse impact on data quality for these SDGs and the validation was completed by evaluation of alternative criteria.
Laboratory precision for SDG 006 was evaluated using LCS/LCSD and field duplicates since the SDG did not include MS/MSD samples.	Positive	Due to prior history with SDG 005, the data was adequately qualified.
Individual laboratory preparation blanks were used to separately evaluate the equipment blanks and samples in SDG 010 as multiple equipment rinsate blanks were submitted with the data package.	Positive	The approach utilized to evaluate the equipment blanks supports the DQOs for the project.
A sample and sample duplicate in SDG 016 were not properly discerned in the validation report.	Nonconformance (Weakness)	The QA/QC implications were evaluated and the validation report was revised appropriately. None of the validation qualifiers required updating.
Laboratory precision could not be evaluated using the MS/MSD results for SDG 019.	Positive	No indication of significant matrix effects were noted based on prior history and the data was appropriately validated.
SVOC analysis was requested on the COC for MY05GW18, but was not analyzed or reported.	Nonconformance (Weakness)	This finding was a laboratory omission and was addressed in the second round of groundwater sampling.
TAL metal ICP interference standard solutions (ICSA and ICSAB) were not analyzed in SDG T001, T002, T003, and T004.	Neutral	The data were appropriately validated by evaluation of alternative criteria.
A TAL metal 2X CLP CRDL standard was not analyzed for SDG T001, T002, T003, and T004.	Neutral	This laboratory omission did not appear to have an adverse impact on data quality for these SDGs and the validation was completed by evaluation of alternative criteria.
CCVs and CCBs were not analyzed at the 10% frequency for TAL metals for SDG T001, T002, T003 and T004.	Neutral	The results were consistently within the method requirements and the method deviation did not appear to have an adverse impact on data quality for these SDGs.

Table 2-11
Summary of Data Validation TSA

Finding	Category*	Corrective Action
Internal custody documents were not included for SDG T001, T002, T003, and T004.	Neutral	This laboratory omission did not appear to have an adverse impact on data quality for these SDGs as the laboratory controls access to samples.
The TAL metals standard traceability was not included in SDG T001, T002, T003, and T004.	Neutral	The lack of the source/vendor for the standard solutions did not appear to have an adverse impact on data quality for these SDGs as the concentrations for the laboratory standards and NIST standards were consistently reproduced.

Notes:

* Category descriptions:

Positive – noteworthy practices or conditions;

Neutral – observations, which are neither positive nor negative; and

Nonconformances – deviations from standards and documented practices, subdivided into deficiencies (adverse impact to data quality) and weaknesses (could result in unacceptable data).