APPENDIX A

BORING AND TEMPORARY PIEZOMETER LOGS

SRI Phases 1 and 2

395861

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-1**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/6/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	35/48	- - -	Collect CPS-SRI-SS-1-0-0.5 (0.0-0.5) Collect CPS-SRI-SS-1-3.5-4.0 (3.5-4.0’)	Brown (top 6”) to light orange-brown and gray slightly layered fine SAND, trace fine rounded gravel, trace silt, wet at ~3’	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-2**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/6/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithoogic Unit(s)	Depth (feet)
0-4	32/48	- - -	Collect CPS-SRI-SS-2-0-0.5 (0.0-0.5) Collect CPS-SRI-SS-2-3.5-4.0 (3.5-4.0’)	Tan with orange-brown and gray layers, fine SAND, trace (-) silt, trace fine to coarse rounded gravel beginning at 2’, becomes darker and browner after 3’, firm, moist to wet	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-3**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/6/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	36/48	- - -	Collect CPS-SRI-SS-3-0-0.5 (0.0-0.5) Collect CPS-SRI-SS-3-3.5-4.0 (3.5-4.0’)	Tan, light brown, orange-brown, and gray variegated fine to medium SAND, trace fine rounded gravel, trace (-) organics, moist to wet, soft to firm to 3.5’ Dark gray to black fine SAND, trace (+) to little silt for 2”, Light gray very fine to fine SAND, trace (+) to little silt, moist	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-4**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/6/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	30/48	- - -	Collect CPS-SRI-SS-4-0-0.5 (0.0-0.5) Collect CPS-SRI-SS-4-3.5-4.0 (3.5-4.0’)	Tan fine to medium SAND with orange-brown and dark gray streaks, trace fine rounded gravel, trace (-) silt, soft, wet; 1.5” layer of light gray clay in middle of core; 3” clayey silt, light gray with dark gray to black staining at base of core	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-5**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/6/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	34/48	- - -	Collect CPS-SRI-SS-5-0-0.5 (0.0-0.5) Collect CPS-SRI-SS-5-3.5-4.0 (3.5-4.0’)	Tan fine SAND with orange-brown and gray streaks, trace (-) silt, trace (-) fine to medium rounded gravel, moist to wet, wet at 1’ (increased dark gray and orange-brown color at 1’), soft	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-6**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/6/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	38/48	- - -	Collect CPS-SRI-SS-6-0-0.5 (0.0-0.5) Collect CPS-SRI-SS-6-3.5-4.0 (3.5-4.0’)	Tan fine to medium SAND with orange-brown and dark gray sections, trace rounded gravel, moist to wet, soft; dark gray to black clayey silt zone at around 3’, organics at top of core	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-7**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/7/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/7/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unity(s)	Depth (feet)
0-4	36/48	- - -	Collect CPS-SRI-SS-7-0-0.5-7-7-09 (0.0-0.5) Collect CPS-SRI-SS-7-3.4-4.0-7-7-09 (3.4-4.0)	Tan and brown (browner after 2’) fine SAND, trace fine to medium rounded and angular gravel, moist to wet, wet at 2’, firm, trace (-) silt in bottom part (after 2.5’) of core; bottom 2” of core dark gray to black silt and fine sand, trace sub rounded gravel	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-8**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/7/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/7/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	34/48	- - -	Collect CPS-SRI-SS-8-0-0.5-7-7-09 (0.0-0.5) Collect CPS-SRI-SS-8-3.5-4.0-7-7-09 (3.5-4.0’)	Tan with orange-brown and brown sections fine to medium SAND, trace fine rounded gravel, trace (-) silt, moist to wet, wet at 0.5’, firm to 3’ Dark gray to black very fine to fine SAND, trace rounded gravel, moist, firm, trace (+) to little rounded and angular gravel Medium gray fine SAND, trace rounded gravel, moist, firm	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-9**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/7/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/7/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	32/48	- - -	Collect CPS-SRI-SS-9-0-0.5-7-7-09 (0.0-0.5) Collect CPS-SRI-SS-9-3.5-4.0-7-7-09 (3.5-4.0’)	3” organics, fine rounded GRAVEL, trace clay and brown fine sand 4” tan fine SAND, little fine to medium rounded gravel Dark gray and brown fine SAND, trace silt, wet, firm to 2.8’ Tan and orange-brown fine to coarse SAND, little fine to medium rounded and sub-rounded gravel, wet, firm	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-10**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/7/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/7/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	34/48	- - -	Collect CPS-SRI-SS-10-0-0.5-7-7-09 (0.0-0.5) Collect CPS-SRI-SS-10-3.5-4.0-7-7-09 (3.5-4.0’)	Gray, tan, and orange-brown (gray from 1-3’) fine to coarse SAND (coarsening downward – medium at 3.2’, coarse at 3.8’), trace fine rounded gravel, trace (-) silt, wet, firm	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-11**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/7/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/7/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	34/48	- - -	Collect CPS-SRI-SS-11-0-0.5-7-7-09 (0.0-0.5) Collect CPS-SRI-SS-11-3.5-4.0-7-7-09 (3.5-4.0’)	Tan, orange-brown, brown, and gray fine SAND, trace silt, trace rounded gravel, some organic material in top half of core, wet, firm; softer with increased gravel and more orange color in last 0.75’	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-12**
Project Number:	08104		
Location:	CPS Property – Along Prickett's Brook		
Drilling Date:	7/8/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/8/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	30/48	- - -	Collect CPS-SRI-SS-12-0-0.5-7-8-09 (0.0-0.5) Collect CPS-SRI-SS-12-3.5-4.0-7-8-09 (3.5-4.0')	Top 2" organics, then brown, orange-brown, and tan fine to medium SAND, trace silt (trace (+) to little in top 0.5'), trace fine sub-rounded gravel, wet, soft to firm to 3'; increased silt just above light gray sand	Alluvium (Qal)	0
				Light gray fine SAND (no silt or gravel), wet, soft to firm	(Kmo)	4

End of Boring at 4.0'

Notes:
- All samples collected for VOC, SVOC, metals analysis;
- Kmo – Old Bridge Sand

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-13**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/7/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/7/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	32/48	- - -	Collect CPS-SRI-SS-13-0-0.5-7-7-09 (0.0-0.5) Collect CPS-SRI-SS-13-3.5-4.0-7-7-09 (3.5-4.0’)	Top 6” orange-brown and brown fine SAND and fine to medium sub-rounded GRAVEL, little organic material, wet, firm Tan, light brown, orange-brown, and light gray fine SAND, trace silt (less in some zones, more 2.8-3.7’, moist to wet, wet at 3.7’, soft to firm	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-14**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/7/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/7/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	34/48	- - -	Collect CPS-SRI-SS-14-0-0.5-7-7-09 (0.0-0.5) Collect CPS-SRI-SS-14-3.5-4.0-7-7-09 (3.5-4.0’)	Orange-brown (Fe color) with some brown and gray sections fine to medium SAND, trace silt, trace fine to medium rounded and sub-rounded gravel, moist to wet, wet at 3.5’, soft to firm	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-15**
Project Number:	08104		
Location:	CPS Property - Sidelot		
Drilling Date:	7/7/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/7/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	34/48	- - -	Collect CPS-SRI-SS-15-0-0.5-7-7-09 (0.0-0.5) Collect CPS-SRI-SS-15-3.5-4.0-7-7-09 (3.5-4.0’)	Light gray and tan with orange-brown and dark gray and black layers fine to medium SAND, trace (-) silt (trace in some sections), trace (-) sub-rounded gravel below 2’, wet, soft to firm, firmer toward base	Alluvium (Qal)	0 4

End of Boring at 4.0’

Note: All samples collected for VOC, SVOC, and metals

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-16**
Project Number:	08104		
Location:	CPS Property – Along Prickett's Brook		
Drilling Date:	8/20/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	N/A	Sand Pack:	N/A
Driller(s):	Tom Smith	Well Seal:	N/A
Drilling Method:	Direct-push (by hand)	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	8/20/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	43/48	- - -	Collect CPS-SRI-SS-16-0-0.5 (0.0-0.5) Collect CPS-SRI-SS-16-3.5-4.0 (0.0-0.5')	Light brown, orange-brown, and tan fine to medium SAND, trace (-) very fine sub rounded gravel, soft to firm, moist to wet, wet at 1.4', no stain or odor	Alluvium (Qal)	0 4

End of Boring at 4.0'

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-17**
Project Number:	08104		
Location:	CPS Site – Onsite Surface Soils		
Drilling Date:	7/8/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	7”	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/8/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	7/48	- - -	Collect CPS-SRI-SS-17-Surface-7-8-09 (0.0-0.5)	Crushed/pulverized STONE and CONCRETE, some asphalt near surface. No sample recovered past 7”	Fill	0 4

End of Boring at 7”

Note: Sample collected for metals only

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-18**
Project Number:	08104		
Location:	CPS Site – Onsite Surface Soils		
Drilling Date:	7/8/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/8/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	22/48	- - -	Collect CPS-SRI-SS-18-Surface-7-8-09 (0.0-0.5) Collect CPS-SRI-SS-18-Base-7-8-09 (3.5-4.0’)	Crushed stone, concrete fragments, and fine to coarse SAND in matrix. Dark brown, wet, firm	Alluvium (Qal) (disturbed)	0 4

End of Boring at 4.0’

Notes:

- CPS-SRI-SS-18-Surface-7-8-09 collected for metals only.
- CPS-SRI-SS-18-Base-7-8-09 collected for SVOCs and metals only.

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-19**
Project Number:	08104		
Location:	CPS Site – Northern Onsite Drainage Areas		
Drilling Date:	7/8/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	21” bgs	Abandonment Date:	7/8/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
				Top 3” TOPSOIL and organic material		0
0-4	35/48	- - -	Collect CPS-SRI-SS-19-0-0.5-7-8-09 (0.0-0.5) Collect CPS-SRI-SS-19-3.5-4.0-7-8-09 (3.5-4.0’)	Dark brown with tan and orange-brown sections, fine SAND, trace (+) to little silt (more in orange-brown section at 2.2’), moist, soft to firm, trace sub-rounded gravel to 3’	Alluvium (Qal)	
				Light gray fine SAND, trace (-) silt, moist to wet, soft to firm	Kmo	4

End of Boring at 4.0’

Note:
- All samples collected for VOC, SVOC, metals, and moisture analysis;
- Kmo – Old Bridge Sand

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-20**
Project Number:	08104		
Location:	CPS Site – Northern Onsite Drainage Areas		
Drilling Date:	7/8/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	7/8/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
				Top 3” wet TOPSOIL and organic material		0
0-4	38/48	- - -	Collect CPS-SRI-SS-20-0-0.5-7-8-09 (0.0-0.5) Collect CPS-SRI-SS-20-3.5-4.0-7-8-09 (3.5-4.0’)	Dark brown fine SAND, trace (+) to little silt, trace fine sub-rounded gravel, moist, soft to firm to 2.8’	Alluvium (Qal)	
				Light gray fine SAND, trace silt, moist, firm	Kmo	4

End of Boring at 4.0’

Note:
- All samples collected for VOC, SVOC, metals, and moisture analysis ;
- Kmo – Old Bridge Sand

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SM-1**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	8/20/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ARS Technologies, Inc.	Sand Pack:	N/A
Driller(s):	Tom Smith	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	3-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	75'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):		Abandonment Date:	8/20/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	22/60	- - -	Collect CPS-SRI-1-4-8-20-09 (3.7-4.2')	Top 6" yellow-brown then brown fine to medium SAND, trace (-) silt (more in brown than in yellow-brown), fine to medium angular and sub-rounded gravel, moist, wet at 8" from bottom, soft to firm, no stain or odor	Alluvium (Qal)	0
5-10	48/60	- - -	Collect CPS-SRI-1-8-8-20-09 (7.7-8.2')	Brown, orange-brown, and yellow-brown fine to medium SAND, trace (+) to little fine sub-rounded gravel, trace silt, wet, firm, no stain or odor to 8.2'		5
				Light and dark gray fine, slightly micaceous SAND, trace (-) silt, wet, soft to firm, no stain or odor, sandy clay lens at 9.8' (~1" thick, partially filling core	Old Bridge Sand (Kmo)	
10-15	49/60	- - -	Collect CPS-SRI-1-12-8-20-09 (11.7-12.2')	Light gray, dark gray, and yellow to orange-brown fine to medium SAND, slightly micaceous near top, trace to trace (+) silt, moist to wet, soft to firm, no stain or odor, some finer-grained and siltier sections (including 11-11.2', 13-13.3') to 14.5'		10
				Light and dark gray slightly micaceous alternating layers of CLAY (trace (-) silt) and very fine SAND and SILT		
15-20	48/60	- - -	Collect CPS-SRI-1-16-8-20-09 (15.7-16.2') Collect CPS-SRI-1-20-8-20-09 (19.5-20.0')	Medium gray slightly micaceous SAND, trace (-) silt, moist to wet, soft, clay lens at 16.3', to 16.5'		15
				Medium to dark gray CLAY, firm, moist, slight decaying organic odor to 17.2'		
				SAND as above to 17.4' with clay lens toward base		
				Light to medium gray with few yellow-brown sections, slightly micaceous fine SAND, firm, wet, slight decaying organic/fuel oil odor as above		
20-25	54/60	0.00 0.10 0.36 0.21 0.46		Light gray fine SAND as above, soft to firm, wet, similar odor as above, medium to dark gray, small (<1") clay lenses at 23.6' and 23.8' – both have yellow-brown sand immediately surrounding		20 25

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site				Location: **CPS-SRI-SM-1**		
Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
25-30	49/60	0.00 0.00 0.32 3.28 0.75 1.15 0.83		No sample recovered Light to medium gray fine SAND as above, firm, wet, same odor as above, slightly coarser-grained (fine to medium) 27-28.5', dark gray to black with clay in small (<1") section at 26.4' No sample recovered	Old Bridge Sand (Kmo)	25
30-35	59/60	0.00 0.03 0.04 0.00		Light to medium gray fine SAND as above to 30.9' Dark gray and light gray fine to coarse SAND, soft, wet, same odor as above to 33.5', mixing with small light gray clay lenses from 33.3-33.5' Light to medium gray fine to medium (more fine) SAND, soft to firm, wet, no stain or odor		30
35-40	60/60	0.00 0.00 0.03 0.00 0.00		Light to medium gray fine to medium SAND as above, coarser grained (more medium, some coarse) from 27.2-28', with clay lenses mixed in 27.8-20' with yellow-brown sand surrounding light gray clay		35
40-45	56/60	0.00 0.00 0.03 0.00 0.00		Light gray fine to medium SAND as above. Dark gray layer with coarser grains 41.1-41.2'. Some silty clay at 42.6' (<1"). Yellow-brown layers at 43.5-43.6' and 43.7-43.8'		40
45-50	54/60	0 0 0 0 0 0	Collect CPS-SRI-1-50-8-20-09 (49.0-49.5')	Light to medium gray fine to medium SAND as above. Yellow-brown sections at 46.0', 46.6', 47.3', 48.3'. Slightly darker and coarser 47.1-47.5' No sample recovered		45
50-55	60/60	0.00 0.00 0.00 0.00 0.00		Light to medium gray fine to medium SAND as above, wet, soft to firm, coarsening downwards, becoming fine to coarse by end of unit at 54' Orange-brown, yellow-brown, and tan fine to coarse SAND, trace (+) to little silt, wet, soft to firm, no stain or odor		50 55

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site			Location: **CPS-SRI-SM-1**		
Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
55-60	59/60	0.00 0.00 0.00 0.00 0.00		Orange-brown, tan, and brown fine to coarse SAND to 56.1’ Alternating layers of gray fine to medium SAND (trace silt) and silty CLAY, moist to wet, no stain or odor Tan and brown (some orange) fine to medium SAND, few sections with coarse quartz grains, trace (-) silt, moist to wet, firm to stiff, no stain or odor to 59.3’ Tan and orange-brown matrix of CLAY and fine to medium SAND, moist, stiff to hard (cemented conglomerate), no stain or odor	Old Bridge Sand (Kmo)	55
60-65	0/60	- - -		No sample recovered – liner jammed into inner rod, poured some into bag, looks like orange-brown and tan fine to medium SAND		60
65-70	22/60	0.00 0.00		Tan and orange-brown fine to medium SAND (fine to coarse section for 0.2’ towards top), soft to firm, wet, no stain or odor		65
70-75	58/60	0.00 0.00 0.00 0.00 0.00	Collect CPS-SRI-1-75-8-20-09 (74.5-75.0’)	Tan and orange-brown fine to coarse SAND, trace (-) silt, firm, wet, no stain or odor to 73.1’, few clay lenses (<1”) 73.0-73.1’ Light gray with orange-brown sections of very fine to fine SAND, trace (-) silt, firm to stiff, wet, no stain or odor		70 75

End of Boring at 75’

Notes:

- Screening with PID started below 20’
- All samples collected for VOC, SVOC, and metals analysis; some splits taken for EPA

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-2**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	8/6/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	S2C2	Sand Pack:	N/A
Driller(s):	Matt	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	8/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	18/48	- - -		Orange-brown fine to medium SAND (fill), crushed stone at base, dry, no stain or odor. 2" of dark brown organic silt, slight to moderate chemical odor	Alluvium (Qal)	0
4-8	39/48	- - -	Collect CPS-SRI-2-4-8-6-09 (4.0-4.5') Collect CPS-SRI-2-8-8-6-09 (7.5-8.0')	Dark brown organic SILT and fine SAND with wood or lignite fragment to 4.5' Whitish-gray and gray-brown fine and fine to medium micaceous SANDS, trace (-) silt, wet, chemical odor	Old Bridge Sand (Kmo)	4
8-12	46/48	- - -	Collect CPS-SRI-2-12-8-6-09 (11.5-12.0')	SANDS as above; dark gray zone 9-9.2', same chemical odor, changing to sewage-like odor at base of core		8
12-16	40/48	- - -	Collect CPS-SRI-2-16-8-6-09 (15.5-16.0')	Brown and yellow-brown, locally streaked dark-gray, fine to coarse slightly micaceous SAND, trace (-) silt, wet to 15' Light gray fine slightly micaceous SAND, trace (-) silt, wet, sewage-like odor throughout core		12
16-20	46/48	- - -	Collect CPS-SRI-2-20-8-6-09 (19.5-20.0')	Light gray fine, slightly micaceous SAND, trace (-) silt, wet, strong sewage-like odor throughout core		16 20

End of Boring at 20.0'

Note: All samples collected for VOC analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SM-3**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	8/5/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	S2C2	Sand Pack:	N/A
Driller(s):	Matt Ruf	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	8/5/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	35/48	- - -	Collect CPS-SRI-3-4-8-5-09 (3.5-4.0')	6" orange-brown, dark gray SAND/GRAVEL fill, dry, no stain or odor Orange-brown to maroon-brown fine micaceous SAND, trace silt, moist to wet, no stain or odor	Alluvium (Qal)	0
4-8	38/48	- - -	Collect CPS-SRI-3-8-8-5-09 (7.5-8.0')	Olive-gray, gray-brown, and whitish-gray fine to medium and fine to coarse micaceous SANDS, trace silt, wet, no stain or odor	Old Bridge Sand (Kmo)	4
8-12	40/48	- - -	Collect CPS-SRI-3-12-8-5-09 (11.5-12.0')	Olive-gray, gray-brown fine to medium micaceous SAND with large black lignite fragments with definite woody structure, to 10'. Lignite has musty odor when broken Gray-brown silty CLAY, wet, no stain or odor to 10.3' Grayish-white fine micaceous SAND, trace (-) silt, wet, no stain or odor		8
12-16	36/48	- - -	Collect CPS-SRI-3-16-8-5-09 (15.5-16.0')	Grayish-white fine micaceous SAND as above, with fine to coarse sand zone 14-15', wet, no stain or odor (except sulfide odor)		12
16-20	48/48	- - -	Collect CPS-SRI-5-20-8-5-09 (19.5-20.0')	Grayish-white fine micaceous SAND, trace (-) silt, 1" thick silty clay bands at 16.8' and 17'		16 20

End of Boring at 20.0'

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-4**
Project Number:	08104		
Location:	CPS Site – East of "Source Area"		
Drilling Date:	8/6/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	S2C2	Sand Pack:	N/A
Driller(s):	Matt	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	8/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	39/48	- - -	Collect CPS-SRI-4-4-8-6-09 (3.5-4.0')	Olive brown and tan fine and fine to medium SAND, trace silt, slightly clayey dark gray seam at 2', moist to wet, no stain or odor	Alluvium (Qal)	0
4-8	40/48	- - -	Collect CPS-SRI-4-8-8-6-09 (7.5-8.0')	Tan and light gray brown fine to medium and fine to coarse micaceous SAND, trace silt, few lignite fragments, wet, sewage-like odor	Old Bridge Sand (Kmo)	4
8-12	38/48	- - -	Collect CPS-SRI-4-12-8-6-09 (11.5-12.0')	SAND as above to 10' with clay lens at 9' Gray-brown silty CLAY, firm, moist to wet, no stain or odor		8
12-16	48/48	- - -	Collect CPS-SRI-4-15-8-6-09 (15.0-15.5')	Light orange-brown (top 18") and grayish white fine to medium slightly micaceous SAND, trace (-) silt, wet, no stain or odor		12
16-20	48/48	- - -	Collect CPS-SRI-4-20-8-6-09 (19.5-20.0')	Grayish-white and yellow-brown fine to medium slightly micaceous SAND, trace (-) silt, wet, no stain or odor		16 20

End of Boring at 20.0'

Note: All samples collected for VOC analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SM-5**
Project Number:	08104		
Location:	CPS Site – East of "Source Area"		
Drilling Date:	8/5/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	S2C2	Sand Pack:	N/A
Driller(s):	Matt Ruf	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	8/5/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	38/48	- - -	Collect CPS-SRI-5-4-8-5-09 (3.5-4.0')	3" dark gray degraded ASPHALT base Yellow-brown, orange-brown, and gray-brown fine to medium micaceous SAND, trace (-) to trace (+) silt, moist, no stain or odor to 3.2' Orange-brown fine to coarse SAND and fine GRAVEL, trace (-) little silt, wet, no stain or odor	Alluvium (Qal)	0
4-8	48/48	- - -	Collect CPS-SRI-5-8-8-5-09 (7.5-8.0')	Grayish-white and yellow-brown fine to medium slightly micaceous SAND, trace (-) silt, wet, no stain or odor to 6.9' Gray micaceous SILT, very soft, wet, sulfide odor in sand immediately above silt, otherwise no stain or odor		4
8-12	48/48	- - -	Collect CPS-SRI-5-12-8-5-09 (11.5-12.0')	2' Cavings/heave SILT as above to 10.5' Grayish-white fine to medium and fine to coarse micaceous SANDS, trace silt, wet, no stain or odor	Old Bridge Sand (Kmo)	8
12-16	48/48	- - -	Collect CPS-SRI-5-16-8-5-09 (15.5-16.0')	1' Cavings/heave Grayish-white fine to coarse micaceous SANDS with pyrite nodules and lignite layers to 14' Gray-brown and tan interlayered very fine micaceous SAND and SILT (micaceous silt at base), wet, no stain or odor to 15.5' Light gray fine slightly micaceous SAND, wet, no stain or odor		12
16-20	38/48	- - -	Collect CPS-SRI-5-20-8-5-09 (19.5-20.0')	8" Cavings/heave Light gray fine slightly micaceous SAND as above Grayish-white and gray-brown fine to coarse SAND with pyrite nodules and lignite fragments, wet, no stain or odor to 18.5' Gray and olive-brown very fine SAND and interbedded clayey SILT, wet, no stain or odor to 19.5' Grayish-white slightly micaceous fine SAND, trace (-) silt, wet, no stain or odor		16 20

End of Boring at 20.0'

Note: All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-6**
Project Number:	08104		
Location:	CPS Site – East of "Source Area"		
Drilling Date:	8/5/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	S2C2	Sand Pack:	N/A
Driller(s):	Matt Ruf	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	8/5/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	39/48	- - -	Collect CPS-SRI-6-4-8-5-09 (3.5-4.0')	Orange fine to coarse SAND and gravel, trace (+) silt, moist, no stain or odor to 1' Gray (top) to light gray (bottom) fine SAND, SILT with rootlets Dark orange-brown-gray-brown fine to coarse SAND, little fine to coarse gravel, trace (+) silt, wet at 3.5', no stain or odor	Alluvium (Qal)	0
4-8	31/48	- - -	Collect CPS-SRI-6-8-8-5-09 (7.5-8.0')	Olive orange-brown fine to coarse slightly micaceous SAND, trace (-) fine gravel, trace silt, wet, no stain or odor to 7.5' Gray fine micaceous SAND, little silt, wet, no stain or odor		4
8-12	42/48	- - -	Collect CPS-SRI-6-12-8-5-09 (11.5-12.0')	Brownish-gray silty CLAY, moist, soft, no stain or odor to 9.5' Whitish-gray fine to medium SAND, trace (-) silt, wet, no stain or odor Brownish-gray silty CLAY, moist, soft, no stain or odor	Old Bridge Sand (Kmo)	8
12-16	43/48	- - -	Collect CPS-SRI-6-16-8-5-09 (15.5-16.0')	Whitish-gray, orange-brown, and yellow-brown slightly micaceous fine to medium SAND, trace (-) silt, wet, no stain or odor		12
16-20	48/48	- - -	Collect CPS-SRI-6-20-8-5-09 (19.5-20.0')	Light yellow-brown fine to medium and fine to coarse slightly micaceous SANDS, trace (-) silt, wet, no stain or odor		16 20

End of Boring at 20.0'

Note: All samples collected for VOC analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-7**
Project Number:	08104		
Location:	CPS Site – East of "Source Area"		
Drilling Date:	7/6/09 & 8/20/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD and ARS Technologies, Inc.	Sand Pack:	N/A
Driller(s):	Mike Ryan and Chris	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	3-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	75'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):		Abandonment Date:	7/6/09 & 8/20/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	42/60	- - -	Collect CPS-SRI-7-4-7-6-09 (3.5-4.0')	Top 3" angular rock fragments and coarse sand fill/road base Tan fine to medium SAND, trace (-) silt, tr (-) angular and sub-rounded gravel, moist, soft, no stain or odor Thin dark gray stain at 2.2'	Alluvium (Qal)	0
				3" angular rock fragments and dark gray fine to coarse SAND, moist, firm, fuel oil odor 5" as above, with black sand and larger gravel fragments		
				Black clayey SILT, trace fine to coarse tan sand and sub-rounded gravel locally, firm to stiff, moist, fuel oil odor		
				Fine to coarse tan and black stained SAND, little sub-rounded gravel, small patches of black silt (as above), soft to firm, moist to wet, fuel oil odor		
5-10	48/60	- - -	Wet at 5' First half of core wet, sloppy Collect CPS-SRI-7-8-7-6-09 (7.7-8.2')	First 5" black SILT, trace (-) sub-rounded gravel, soft, very wet, slight fuel oil order Fine to coarse black wet fine to coarse SAND, trace sub-rounded gravel, soft, very wet, slight fuel oil odor to 8', becomes siltier at base		5
				Tan fine to coarse SAND, some sub-rounded gravel (quartzite and other), trace (-) silt, wet, soft to firm, no stain or odor		10
10-15	44/60	- - -	Collect CPS-SRI-7-12-7-6-09 (11.7-12.2')	Tan very fine to fine SAND with variegated orange and dark gray layers mixed in (no silt), firm, moist to wet (wetter below 13') no stain or odor. Begins coarsening downward at 13.5' becoming fine to coarse at base, increasing clay content toward base to 14.5', no stain or odor	Old Bridge Sand (Kmo)	
				Tan to brown with orange streaks CLAY, firm, moist, no stain or odor		
15-20	60/60	- - -	Collect CPS-SRI-7-16-7-6-09 (15.7-16.2')	Medium gray silty CLAY, trace (-) dark gray angular rock fragments, slightly micaceous, intermittent thin sandy layers firm to stiff, no stain or odor to 19.5'		15
				Medium gray very fine to fine SAND, some silt, soft to firm, moist to wet, no stain or odor		
20-25	0/60	- - -		No sample recovered – inner and outer core barrels locked together by running sands		20

						25

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site				Location: **CPS-SRI-7**		
Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
25-30	28/60	0 0 0 0 0 0	Collect CPS-SRI-7-25-7-6-09 (25.0-25.5')	White, yellow-brown and gray, fine to medium SAND, trace(-) silt, slightly micaceous, wet, no stain or odor	Old Bridge Sand (Kmo)	25
30-35	60/60	0 0 0 0 0 0		White to light gray fine to medium SAND, trace(-) silt, slightly micaceous, wet, no stain or odor 1" lignite fragments, dark gray to black at 35'		30
35-40	0/60	- - -		No sample recovered - inner and outer core barrels locked together by running sands		35
40-45	60/60	0 0 0 0 0 0		Light gray fine SAND, few orange-brown streaks, trace (+) silt, moist to wet, firm to 40.6', no stain or odor Light and medium gray fine to medium SAND, trace (-) silt, orange-brown color 41.6 - 41.7', wet, firm, with medium gray clay layers 40.6-40.7', 41.8 – 42.0', 42.2 – 42.5', 42.7', no stain or odor to 42.7' Gray and black variegated slightly micaceous very fine SAND and SILT, firm, moist to wet to 43.7, no stain or odor' Medium gray slightly micaceous very fine SAND, some silt, wet, soft, no stain or odor		40
45-50	60/60	0 0 0 0 0 0		Medium gray fine SAND, very slightly micaceous, trace(-) silt, firm, wet, no stain or odor, lignite zones 45.4 – 45.6', 46.3 – 46.5', 47.1 – 47.2', 49.0 – 49.2'		45
50-55	58/60	0 0 0 0 0 0	Collect CPS-SRI-7-50-8-20-09 (50.0-50.5')	Medium gray SAND as above to 51.2' Gray and black, slightly micaceous, variegated, very fine to fine SAND, little silt, firm, moist to wet, no stain or odor, to 53.3', wetter, softer gray section 52.1 - 52.4 Light gray, slightly micaceous fine SAND, trace (-) silt, firm, moist to wet, orange-brown section 53.4 – 53.6', no stain or odor		50 55

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site				Location: **CPS-SRI-7**		
Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
55-60	60/60	0 0 0 0 0 0		Light gray, fine SAND, very slightly micaceous, trace (-) silt (very little, more at top), wet, firm, no stain or odor, medium gray section in top 3" (possibly cavings)	Old Bridge Sand (Kmo)	55
60-65	60/60	0 0 0 0 0 0		Light gray fine SAND as above, wet, no stain or odor, orange-brown and black color, more micaceous 63.9 - 64.0'		60
65-70	50/60	0 0 0 0 0 0		Medium gray fine SAND (similar to above but darker), wet, no stain or odor to 65.8' Orange-brown, dark gray, and light gray/tan slightly micaceous fine to medium SAND, colors in layers to 67.5' then uniformly brown, wet, firm, no stain or odor		65
70-75	60/60	0 0 0 0 0 0	Collect CPS-SRI-7-75-8-20-09 (74.5-75.0')	Tan grading to orange-brown and salmon fine to medium SAND, coarsening downward to medium to coarse SAND, trace(-) silt, higher silt content 73.4 -73.6', finer (fine to medium) 73.6 – 74.3', wet, firm, no stain or odor		70 75

End of Boring at 75.0'

Notes:

- Screening with PID started below 20.0'
- All samples collected for VOC analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-8**
Project Number:	08104		
Location:	CPS Site – North of "Source Area"		
Drilling Date:	8/5/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	S2C2	Sand Pack:	N/A
Driller(s):	Matt Ruf	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	8/5/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
				2" degraded ASPHALT		0
0-4	36/48	- - -	Collect CPS-SRI-8-4-8-5-09 (3.5-4.0')	Gray (possibly stained)-brown slightly micaceous fine SAND, trace (-) little silt, trace fine rounded gravel, moist Gray fine slightly micaceous SAND, trace silt, moist-wet, no stain or odor		
4-8	34/48	- - -	Collect CPS-SRI-8-8-8-5-09 (7.5-8.0')	Orange-brown fine to coarse slightly micaceous SAND, trace (-) little fine to coarse gravel, trace (-) to trace (+) silt, wet, no stain or odor to 8.5'	Alluvium (Qal)	4
8-12	38/48	- - -	Collect CPS-SRI-8-12-8-5-09 (11.5-12.0')	Yellow-brown slightly micaceous fine SAND, trace (-) silt with thin seams of fine orange-brown gravel at 10' and 11', clayey silt layer 11.5-11.7'		8
12-16	43/48	- - -	Collect CPS-SRI-8-16-8-5-09 (15.5-16.0')	Whitish-gray and yellow-brown slightly micaceous fine SAND, trace silt, wet, no stain or odor to 14.5' Orange-brown and light gray/white streaked fine slightly micaceous SAND, trace (+) silt, wet, no stain or odor Dark gray lignite and fine to coarse SAND, wet, no stain or odor to 15.6'	Old Bridge Sand (Kmo)	12
16-20	48/48	- - -	Collect CPS-SRI-8-20-8-5-09 (19.5-20.0')	Brownish-gray CLAY, soft, moist to wet, no stain or odor		16 20

End of Boring at 20.0'

Note: All samples collected for VOC analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SM-9**
Project Number:	08104		
Location:	CPS Site – North of "Source Area"		
Drilling Date:	7/7/09, 8/6/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	ETD and S_2C_2	Sand Pack:	N/A
Driller(s):	Mike Ryan and Matt Ruf	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	8/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	33/60	- - -	Collect CPS-SRI-9-4-7-7-09 (3.7-4.2')	12" yellow-brown fine SAND	Alluvium (Qal)	0
				8" degraded ASPHALT		
				Intermixed olive and white fine to medium SAND trace silt with organic rich layer at 4.5' lignite, moist, no stain or odor		
5-10	47/60	- - -	Collect CPS-SRI-9-8-7-7-09 (7.7-8.2')	Olive fine to medium SAND trace (-) little silt, wet no stain or odor to 7.0'		5
				Olive-brown and orange-brown fine to coarse SAND, little fine rounded gravel, trace (+) silt, wet, no stain or odor		
10-12	24/24	- - -	Collect CPS-SRI-9-12-7-7-09 (11.7-12.2')			10
				Orange brown fine to coarse GRAVEL, trace fine to coarse sand, trace silt, wet, no stain or odor to 12.5		
12-16	34/48	- - -	Collect CPS-SRI-9-16-8-6-09 (15.5-16.0')	White and light yellow-brown slightly micaceous fine SAND, trace (-) silt, wet, no stain or odor	Old Bridge Sand (Kmo)	12
16-20	47/48	- - -	Collect CPS-SRI-9-20-8-6-09 (19.5-20.0')	Whitish gray fine slightly micaceous SAND, trace (-) silt, wet, no stain or odor.		16
						20

End of Boring at 20.0'

Notes: All samples collected for VOC, SVOC, metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-10**
Project Number:	08104		
Location:	CPS Site – North of "Source Area"		
Drilling Date:	7/7/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	7/7/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	33/60	- - -	Collect CPS-SRI-10-4-7-7-09 (3.7-4.2')	Olive gray SANDY fill to 6" Yellow, dark gray, gray fine SAND, trace (+) silt to 4.5' Orange-brown fine to coarse SAND, little fine rounded gravel, trace silt, moist to wet, no stain or odor	Alluvium (Qal)	0
5-10	60/60	- - -	Collect CPS-SRI-10-8-7-7-09 (7.7-8.2')	Orange-brown fine to coarse SAND, some fine rounded gravel, wet, no stain or odor		5
10-15	60/60	- - -	Collect CPS-SRI-10-12-7-7-09 (11.7-12.2')	White fine to medium slightly micaceous SAND, trace (-) silt, wet with orange-brown fine to coarse zone 13.5 – 14.0' White silty CLAY at 15.0' (tip of core)	Old Bridge Sand (Kmo)	10
15-20	60/60	- - -	Collect CPS-SRI-10-20-7-7-09 (19.5-20.0')	White and light yellow-brown fine to medium SAND with few fine to coarse intervals, trace silt, wet, no stain or odor		15

End of Boring at 20.0'

Notes: All samples collected for VOC analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SM-11**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	7/17/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	ARS Technologies, Inc.	Sand Pack:	N/A
Driller(s):	Chris	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	3-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	75'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):		Abandonment Date:	7/17/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	30/60	- - -	Collect CPS-SRI-11-4-7-17-09 (3.7-4.2')	Dark gray and brown fine rounded GRAVEL (top 6" below concrete) Dark gray micaceous SILT to 3.7' Gray fine micaceous SAND, trace (-) silt, wet, slight chemical odor to 4.8'	Alluvium (Qal)	0
5-10	48/60	- - -	Collect CPS-SRI-11-8-7-17-09 (7.7-8.2')	Orange brown fine to coarse micaceous SAND and fine to coarse rounded GRAVEL, trace (+) silt, moist to wet, slight chemical odor to 7.5' Olive brown and locally dark gray-brown fine to coarse micaceous SAND, trace fine rounded gravel, trace (+) silt, wet, slight chemical or sulfide odor		5
10-15	50/60	- - -	Collect CPS-SRI-11-12-7-17-09 (11.7-12.2')	Olive brown and light gray fine to medium micaceous SAND, trace (-) silt, wet, no stain or odor	Old Bridge Sand (Kmo)	10
15-20	60/60	- - -	Collect CPS-SRI-11-16-7-17-09 (15.7-16.2') Collect CPS-SRI-11-20-7-17-09 (19.5-20.0')	Gray-brown fine and fine to medium micaceous SANDS, trace (-) silt, wet, no stain or odor		15
20-25	44/60	0 0 0 0		Gray brown fine micaceous SAND, trace (-) silt, orange-brown oxidized layer with 1" thick white clay seam at 22', wet, no stain or odor No sample recovered below 23.5'		20 25

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site				Location: **CPS-SRI-SM-11**		
Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
25-30	43/60	0 0 0 0.01 0		SAND as above, with occasional dark gray streaks No sample recovered below approximately 28.5’	Old Bridge Sand (Kmo)	25
30-35	58/60	0 0 0 0 0 0		SAND as above, dark gray streak (lignite) at 33’		30
35-40	60/60	0 0 0 0 0 0 0 0		SAND as above (with lignite layer at 37’) to approximately 38.5’ Yellow-brown, gray-brown, and dark gray interlayered micaceous fine to medium and fine to coarse SAND, little trace (-) silt/clay, wet, no stain or odor		35
40-45	60/60	0 0 0 0 0		Olive gray fine to medium and fine to coarse micaceous SANDs, little clay/silt, wet, no stain or odor to 44’ Fine and very fine olive gray micaceous SAND, little clay/silt, wet, no stain or odor, few 1/8” thick clayy bands throughout core; more closely spaced and with lignite in 44-45’ zone		40
45-50	60/60	0 0 0 0 0	Collect CPS-SRI-11-50-7-17-09 (49.5-50.0’)	Olive gray fine micaceous SAND, trace (-) little clay/silt banded with lignite and occasional clay seams <1/8” thick, wet, no stain or odor		45
50-55	54/60	0 0 0 0 0		Light gray fine and fine to medium micaceous SANDs, trace (-) silt, occasional dark gray lignite banding		50 55

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site				Location: **CPS-SRI-SM-11**		
Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
55-60	58/60	0 0 0 0 0		Light gray micaceous fine SAND, trace (-) silt, wet, no stain or odor, oxidized orange-brown in lower half of core	Old Bridge Sand (Kmo)	55
60-65	48/60	0 0 0 0		SAND as above to 61.2’ Orange-brown and yellow-brown medium to coarse and fine to medium SAND, trace silt, wet, no stain or odor to 63.5’ Yellowish-white CLAY, hard, wet, no stain or odor, trace orange-brown fine to medium sand below No sample recovered below 64’		60
65-70	43/60	0 0 0 0		Light yellow-brown and light orange-brown fine and fine to medium SAND, trace (-) to trace (+) silt, white clay band ½” thick at 68’ No sample recovered below 68.5’		65
70-75	29/60	0 0 0 0	Collect CPS-SRI-SM-11-72-7-17-09 (71.7-72.2’)	Light gray-brown and yellow-brown micaceous SAND, trace silt, wet, no stain or odor, coarsening to fine to coarse sand at base No sample recovered below 72.5’		70 75

End of Boring at 72.5’

Notes:

- Screening with PID started below 20’
- All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-12**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	8/19/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ARS Technologies, Inc.	Sand Pack:	N/A
Driller(s):	Chris	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	3-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	75'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):		Abandonment Date:	8/19/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	43/60	- - -	Collect CPS-SRI-12-4-8-19-09 (3.7-4.2')	Brown, tan, orange-brown, and gray fine SAND, trace silt, trace (-) little fine to medium sub rounded and angular gravel (large cobbles at base, soft to firm, moist, no stain or odor to 2.9' Tan, orange brown (with black streaks) very fine to fine SAND, trace (-) silt, firm, moist, no stain or odor to 3.5' 6" black SILT and very fine SAND, decaying organic odor, stiff Medium gray very fine to fine SAND, trace (+) little silt (more at top), trace organic material (roots), moist, soft, no stain or odor	Alluvium (Qal)	0
5-10	48/60	- - -	Collect CPS-SRI-12-8-8-19-09 (7.7-8.2')	Gray SAND as above to 6.5' Brown and orange-brown fine to coarse SAND, little to some fine sub rounded gravel, firm to stiff, wet, slight decaying organic odor to 8.9' Orange-brown, tan, dark gray fine to medium SAND, trace (+) silt, firm to wet, no stain or odor		5
10-15	48/60	- - -	Collect CPS-SRI-12-12-8-19-09 (11.7-12.2')	Tan, light brown, and gray fine to medium SAND, trace silt, moist to wet, soft to firm, slight odor as before. Becomes mainly light gray with orange-brown and black streaks below 13', clayey silt section 12.6-13'	Old Bridge Sand (Kmo)	10
15-20	56/60	- - -	Collect CPS-SRI-12-16-8-19-09 (15.7-16.2') Collect CPS-SRI-12-20-8-19-09 (19.5-20.0')	Light gray fine to medium SAND as above to 18;, increased silt content (trace (+) to little) at base Dark gray and medium gray alternating sections of silty CLAY and SILT and very fine SAND, some lignite in silt/sand sections (8" clay, 2" silt/sand, 3" clay, 6" silt/sand), firm to stiff, moist to wet (wet in bottom silt/sand section, very strong acidic/leach field acrid odor, especially in first silt/sand section)		15
20-25	46/60	0.88 0.70 0.76 0.35 0.16 0.05		Medium gray and dark gray-black slightly micaceous fine to medium SAND, trace (-) silt, very little clay at top (probably from above, firm, moist to wet, no stain or odor to 23' 8" light gray and tan CLAY, stiff Light gray, dark gray, and black slightly micaceous fine to medium SAND, trace (-) silt, firm, wet, no stain or odor		20 25

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site				Location: **CPS-SRI-12**		
Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
25-30	56/60	0.13 0.00 0.03 0.02 0.03		Light gray and dark gray fine to medium SAND as above. Light gray section with very thin (<1") clay lens at 27.4'	Old Bridge Sand (Kmo)	25
30-35	56/60	0.05 0.01 0.01 0.00		Light brown, tan, and dark gray slightly micaceous fine to medium SAND (some sections very fine to fine), soft to firm, wet, no stain or odor		30
35-40	53/60	0.00 0.00 0.36 0.03		SAND as above, some sections fine to coarse, clay lens at 38' Light gray (with few brown sections) fine to coarse SAND, trace (+) silt, firm, wet, no stain or odor		35
40-45	56/60	0.00 0.00 0.00 0.00 0.00		Light gray SAND as above, small (<1") clay lens at 40.4', wet, some sections with increased silt content (trace (+) to little)		40
45-50	57/60	0.00 0.00 0.00 0.00	Collect CPS-SRI-12-50-8-19-09 (49.5-50.0')	Light gray fine to medium SAND as above, wet, no stain or odor		45
50-55	52/60	0.00 0.00 0.00 0.00		Light gray fine to medium SAND as above, wet, no stain or odor. Some medium brown sand at top of core, possibly cavings. Some yellow-brown coloring at base of core		50 55

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site				Location: **CPS-SRI-12**		
Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
55-60	56/60	0.00 0.00 0.00 0.00 0.00		Medium gray, tan, and yellow-brown fine to medium SAND, a few dark gray streaks, wet, firm, no stain or odor	Old Bridge Sand (Kmo)	55
60-65	60/60	0.00 0.00 0.00 0.00 0.00		6" light gray fine to medium SAND, probable cavings Orange-brown and tan fine to medium SAND, trace (-) silt, firm, wet, no stain or odor Fine to coarse SAND at 63.7, very fine to fine sand 64.4-64.4', fine to coarse sand 64.4-65'. Pure light gray 64.4-65', then tan, light gray, and salmon pink to 65'. Small amount of light gray clay in base below catcher		60
65-70	23/60 (most lost from bottom ½)	0.00 0.00 0.00		Medium gray, orange-brown, and light gray (in order top to bottom) fine to coarse SAND, trace (-) silt, firm, wet, no stain or odor. Light gray sand in lower third, very fine to fine-grained		65
70-75	42/60	0.00 0.00 0.00	Collect CPS-SRI-12-75-8-19-09 (74.5-75.0')	Orange-brown and tan fine to coarse SAND, trace (-) silt (more in some sections), very wet, soft to firm, no stain or odor. A few blobs (not even full lenses) of clay (71.8', 72.6')		70 75

End of Boring at 72.6'

Notes:

- Screening with PID started below 20'
- All samples collected for VOC analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SM-13**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	8/19/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	8/19/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	36/60	- - -	Collect CPS-SRI-13-4-8-19-09 (3.7-4.2')	Brown fine SAND, trace fine sub rounded gravel, trace silt, moist to wet, no stain or odor, soft to firm to 3' Tan, black, and orange-brown variegated very fine/ fine SAND, little silt, trace (+) sub rounded gravel Black and dark brown SILT and very fine SAND, trace organic material, slight odor (possibly fuel), moist, firm to 4.5' Gray firm SAND, trace (-) silt, sub rounded gravel, moist to wet, soft, very slight odor as	Alluvium (Qal)	0
5-10	48/60	- - -	Collect CPS-SRI-13-8-8-19-09 (7.7-8.2')	Dark brown, orange-brown, and tan fine to coarse SAND, some fine to medium sub rounded and angular gravel, wet, no stain, very slight odor as above (but diminishing), occasional red streaks with stranger, different (sweeter) odor to 8.5' Tan and light brown fine to medium SAND, trace (-) silt, trace (-) medium sub rounded gravel to 9.4' SAND as above with dark gray color (possible staining) and slight odor		5
10-15	58/60	- - -	Collect CPS-SRI-13-12-8-19-09 (11.7-12.2')	Brown and tan fine to medium SAND, trace (-) silt, moist to wet, firm, no stain or odor, becomes light gray with increased silt content at 11.9-12.2' 4" light gray alternating 1" layers of very fine to fine SAND and CLAY with few orange-brown streaks Dark gray, tan, and light gray very fine to fine SAND, trace (-) silt, moist to wet, firm, slight odor (weathered fuel oil or burnt smell), becomes all light gray in bottom 6"	Old Bridge Sand (Kmo)	10
15-20	53/60	- - -	Collect CPS-SRI-13-16-8-19-09 (15.7-16.2') Collect CPS-SRI-13-20-8-19-09 (19.5-20.0')	Very fine to fine SAND as above, alternating in layers of light gray, dark gray, and black, black stain, and stronger fuel oil odor from 16.8-17.2', moist to wet, firm, slight odor as above, stronger at top of core. Few <1" clay lenses		15 20

End of Boring at 20.0'

Note: All samples collected for VOC, SVOC, metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-14**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	8/19/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	8/19/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	36/60	- - -	Collect CPS-SRI-14-4-8-19-09 (3.7-4.2')	Dark brown, orange-brown, and tan fine to medium SAND, trace (+) fine to medium angular and sub rounded gravel, trace (+) to little silt, firm, moist, no stain or odor to 3.8'	Alluvium (Qal)	0
				Dark brown and black (3.8-4.2') very fine to fine SAND, little silt, moist, firm, no stain or odor		
5-10	51/60	- - -	Collect CPS-SRI-14-8-8-19-09 (7.7-8.2')	Dark brown and gray very fine to fine SAND, trace (+) to little silt, firm, moist, no stain or odor to 6.5'		5
				Orange-brown, tan, and gray fine to coarse SAND, trace (+) to little fine sub rounded gravel, trace (+) silt, firm, moist to 8.2'		
				Light brown fine SAND, trace (-) silt, soft to firm, moist, becomes orange-brown at 9.1' after gravel section 9.0-9.1', then becomes gray after 9.4'		
10-15	48/60	- - -	Collect CPS-SRI-14-12-8-19-09 (11.7-12.2')	Light gray with dark gray streaks fine to medium SAND, trace (-) silt, soft to firm, moist to wet, no stain or odor, becomes tan to orange-brown between 12.7-13.4' then light gray again to 13.9'	Old Bridge Sand (Kmo)	10
				Dark gray and black fine to medium SAND, trace silt with 0.1' layer of lignite at top, slight coal-like odor to 14.3'		
				Dark gray, slightly micaceous CLAY, silty section 14.6-14.8, soft to firm, moist, no stain or odor		
15-20	44/60	- - -	Collect CPS-SRI-14-16-8-19-09 (15.7-16.2')	Dark gray to black very fine to fine SAND, trace (+) to little silt, very wet, soft to firm, slight decayed organic odor, slightly micaceous to 17.1'		15
				Alternating layers of orange-brown, light gray and dark gray-black fine to medium SAND, trace silt, wet, soft to firm to 17.7', clay lens (<.1') at 17.4'		
			Collect CPS-SRI-14-20-8-19-09 (19.5-20.0')	Medium gray CLAY, some silty layers at points throughout, light to medium gray fine sand layer 18.5-18.7', firm to stiff, moist, no stain or odor to 19.3'		
				Light and dark gray fine SAND, slightly micaceous, trace silt, few thin clay lenses (<0.1'), soft, moist, no stain or odor		20

End of Boring at 20.0'

Note: All samples collected for VOC analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-15**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	7/28/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	9/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	32/60	- - -	Collect CPS-SRI-15-4-7-28-09 (3.7-4.2')	Tan and light gray fine SAND, trace (+) silt, trace angular rock fragments, becomes finer with increased clayey silt at base, to 3.2'	Alluvium (Qal)	0
				Yellow-brown, brown, and tan fine to medium SAND, trace (+) silt, trace (+) sub-rounded gravel, to 5.9'		5
5-10	60/60	- - -	Collect CPS-SRI-15-8-7-28-09 (7.7-8.2')	Light gray very fine to fine SAND, some orange-brown streaking	Old Bridge Sand (Kmo)	
10-15	60/60	- - -	Collect CPS-SRI-15-12-7-28-09 (11.7-12.2')	Light gray SAND as above, in zones of very fine and fine to medium, some dark (silt?) coloration at base		10
15-20	60/60	- - -	Collect CPS-SRI-15-16-7-28-09 (15.7-16.2')	Light gray CLAY, trace sand at base to 15.7'		15
			Collect CPS-SRI-15-20-7-28-09 (19.5-20.0')	Light gray very fine to fine SAND, some orange-brown sections		20

End of Boring at 20.0'

Note: All samples collected for VOC, SVOC, metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-16**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	8/6/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	S2C2	Sand Pack:	N/A
Driller(s):	Matt Ruf	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	8/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-4	30/48	- - -	Collect CPS-SRI-16-4-8-6-09 (3.5-4.0')	Brown, orange-brown, and dark gray organic-rich SAND, trace to little silt, dry-moist fill with crushed stone fragments, wet with slight sewage-like odor at base	Alluvium (Qal)	0
4-8	36/48	- - -	Collect CPS-SRI-16-8-8-6-09 (7.5-8.0')	Orange-brown, olive-brown, and gray fine to micaceous and fine to coarse slightly micaceous SANDS, trace silt, wet, dark gray streaks, sewage-like odor to 7' Orange-brown fine to coarse SAND, trace silt, trace to little fine rounded gravel, wet, odor as above		4
8-12	47/48	- - -	Collect CPS-SRI-16-12-8-6-09 (11.5-12.0')	Olive-brown and orange-brown fine to medium SAND, trace (-) silt with occasional dark gray streaks, wet, odor as above	Old Bridge Sand (Kmo)	8
12-16	48/48	- - -	Collect CPS-SRI-16-15-8-6-09 (15.0-15.5')	Yellow-brown, olive-brown, and light gray fine to medium and fine to coarse (at base) SAND, trace (-) to trace silt, wet, sewage-like and chemical odors, streaks of dark gray and brown NAPL with sheen on adjacent water from 15-15.5'. At 15.9, changes to tan and orange-brown silty CLAY, firm, moist to wet, slight chemical odor		12
16-20	42/48	- - -	Collect CPS-SRI-16-20-8-6-09 (19.5-20.0')	SAND as above with seams of tan and orange-brown silty clay at 17-17.4', 17.8-18', and 18.5-18.9', wet, sewage-like odor		16 20

End of Boring at 20.0'

Note: All samples collected for VOC analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-17**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	7/16/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ARS Technologies, Inc.	Sand Pack:	N/A
Driller(s):	Chris	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	3-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	75'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):		Abandonment Date:	7/16/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
				1" ASPHALT		0
0-5	44/60	- - -	Collect CPS-SRI-17-4-7-16-09 (3.7-4.2')	Fine yellow-brown SAND fill with crushed stone Yellow-brown, brown, and olive-brown stratified fine to medium SAND, trace silt, trace fine rounded gravel, moist-wet, slight-medium fuel-like odor	Alluvium (Qal)	
5-10	48/60	- - -	Collect CPS-SRI-17-8-7-16-09 (7.7-8.2')	Yellow brown to olive brown fine to medium micaceous SAND, trace silt, wet to 6' Light gray micaceous very fine SAND, trace (-) silt, 0.25-1"clay bands at approximately 5.5', 7.0', and 9.0'. Black streaks at approximately 45˚ to core at 6.7' and 8.0'. Sulfide odor in core		5
10-15	48/60	- - -	Collect CPS-SRI-17-12-7-16-09 (11.7-12.2')	Yellow-brown very fine micaceous SAND, trace (+) silt with interbedded micaceous clay stringers to 12.7', includes dark gray (stained?) micaceous silt from 11.7 to 12.2'. Grayish white from 12.2 to 12.7 Grayish white, yellow-brown, and olive-brown fine to medium SAND, trace silt, wet, sulfide odor in core	Old Bridge Sand (Kmo)	10
15-20	54/60	- - -	Collect CPS-SRI-17-16-7-16-09 (15.7-16.2')	Light gray and light brown fine to medium and fine to coarse micaceous SANDS, trace (-) silt, wet, sulfide odor, very thin clay stringer (>1/8") at 16.5', some dark gray streaks in core at approximately 16', 17', and 18'.		15
20-25	53/60	14 199 53 2 0.5 0.2	Collect CPS-SRI-17-20-7-16-09 (20.0-20.5')	Light gray fine to medium and micaceous SANDS, yellow-brown 21.2-21.5', trace silt, wet, sulfide odor		20 25

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site				Location: **CPS-SRI-17**		
Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
25-30	36/60	162 73 46.6 25.3 2 1.5	Collect CPS-SRI-17-25-7-16-09 (25.0-26.0')	Light gray SANDS as above to 27', then same lithology but yellow-brown. Green liquid staining core liner 25.0-25.8' and core in this interval has green streaks, strong chemical odor in top foot of core.	Old Bridge Sand (Kmo)	25
30-35	48/60	0.00 0.08 0.00 0.11 0.27 46.4 48.5	Collect CPS-SRI-17-34-7-16-09 (33.5-34.0')	Light gray fine to medium SAND, trace silt, wet, no stain or odor except slight chemical odor 33-34', brown and dark gray interbeds with few very thin (<1/8") clay stringers at 32.5-33.0'		30
				No sample recovered		
35-40	47/60	9.79 7.23 1.1 0.23 0.27 0.24 0.36		Light gray fine to medium SAND as above, no stain or odor, with medium to coarse light gray sand stringer at 36.5		35
				Tan-gray silty CLAY with lignite fragments, moist to wet, firm, no stain or odor		
				Light gray, yellow-brown, and dark gray fine to medium and fine to coarse micaceous SANDS, trace (-) occasionally little clay/silt, scattered lignite fragments, wet, no stain or odor		
40-45	40/60	3.7 0.97 0.23 0.28 0.87 0.75 0.18	Collect CPS-SRI-17-41-7-16-09 (41.0-41.5')	SANDS as above, medium to coarse SAND with clay 40.5-41.4', thin (1/8-1/2") clay bands in sands from 41.7-42.4', wet, no stain or odor		40
				No sample recovered		
45-50	48/60	1.42 7.63 0.72 0.20 0.17 0.06 0.00 0.08 0.06		Light gray, yellow-brown, and whitish gray fine to medium micaceous SAND, trace silt, occasional dark gray lignite band, wet, no stain or odor		45
				No sample recovered		
50-55	10/60 Sample depth in core not known	1.85		Light gray fine to medium micaceous SAND, trace (-) silt, wet, no stain or odor. PID hit probably from the drillstring water – flushed out after this core was retrieved.		50 55

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site				Location: **CPS-SRI-17**		
Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
55-60	60/60	0 0 0 0 0 0		Light gray fine to medium and fine to coarse micaceous SAND, trace (-) silt, wet, no stain or odor to 57’ Light yellow-brown and light orange-brown streaked fine to coarse micaceous SAND, trace silt, wet, no stain or odor	Old Bridge Sand (Kmo)	55
60-65	19/60	0 0 0		Fine to coarse SAND as above No sample recovered		60
65-70	54/60	0 0 0 0 0 0		Fine to coarse SAND as above (with 12” cavings at top), thin (0.25” thick) clay band at approximately 66’.		65
70-75	60/60	0.76 0.91 1.73 0.55 3.09	Collect CPS-SRI-17-75-7-16-09 (74.5-75.0’)	Fine to coarse SAND as above		70 75

End of Boring at 75.0’

Notes:

- Screening with PID started below 20’
- All samples collected for VOC, SVOC, and metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-18**
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	7/14-15/09		
Logged By:	Jim Peterson	Screen:	N/A
Drilling Co.:	ARS Technologies, Inc.	Riser:	N/A
Driller(s):	Chris	Sand Pack:	N/A
Drilling Method:	Direct-push	Well Seal:	N/A
Boring Diameter:	3-inch	Screen Depth (feet):	N/A
Sampling Method:	Acetate core liner	Development/Purging:	N/A
Boring Depth, Total (feet):	100'	Approx. Yield (gpm):	N/A
Ground Surface Elevation:	21.9'	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	7/15/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	27/60	- - -	Collect CPS-SRI-18-4-7-14-09 (3.5-4.0')	6" Olive-gray fine to coarse SAND and fine GRAVEL (crushed stone)	Alluvium (Qal)	0
				Olive-brown, red-brown yellow-brown fine to coarse SAND, trace (+) silt, occasional fine gravel lenses, wet (adjacent to perched water in former tank farm excavation), moderate to strong chemical odor throughout		
5-10	44/60	- - -	Collect CPS-SRI-18-8-7-14-09 (7.5-8.0')	Olive-gray and dark gray fine micaceous SAND, trace (+) silt, wet, moderate chemical odor (sour)	Old Bridge Sand (Kmo)	5
				Dark olive-brown organic sandy SILT, moist to wet, same odor as above		
				Dark olive-brown micaceous CLAY, stiff, moist, same odor as above grading down to grayish-white and yellow-brown CLAY		
10-15	60/60	- - -	Collect CPS-SRI-18-12-7-14-09 (11.5-12.0')	Fine micaceous SAND, trace silt, moist to wet, same odor as above		10
				Olive-yellow-brown fine to medium micaceous SAND, trace silt, wet, same odor as above but more faint		
				Dark to light gray fine to medium micaceous SAND, few coarse sand layers, streaked black 12.5-13.0', wet, odor same as base of 5-10' interval		
15-20	60/60	- - -	Collect CPS-SRI-18-16-7-14-09 (15.5-16.0') Collect CPS-SRI-18-20-7-14-09 (19.5-20.0')	Light gray fine to medium micaceous SAND, trace silt, wet, no stain or odor		15
20-25	53/60	0 1.3 0 0 0 0		Light gray fine to medium slightly micaceous SAND, trace (-) silt, no stain or odor		20 25

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site | Location: **CPS-SRI-18**

Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
25-30	60/60	0 1.6 0 0 0 0.13		Light gray SAND as above to 26.8' Becomes SAND as above with layers fine to medium and fine to coarse, locally light brownish-gray		25
30-35	44/60	- - - 0 0 0.09 - - - - - -	(1' cavings) (soil fell out)	Light gray and brownish-gray fine to coarse and fine to medium micaceous SANDs, trace silt, wet, no stain or odor, few dark brown and dark gray streaks	Old	30
35-40	60/60	0 0 0.5 1.17 1.05 0		Thin CLAY lens (0.5") at 36.2' (14 msl) SAND as above Dark gray (stained?) interval of fine to medium SAND, trace silt at 38-38.5' with moderate sulfide (?) odor	Bridge Sand	35
40-45	60/60	4 0.04 - 0.11 0.01 - 0.02 0 0	Collect CPS-SRI-18-41-7-14-09 (40.5-41.0')	Light gray and light brownish-gray fine to medium and fine to coarse micaceous SANDs, trace (-) to trace (+) silt, wet, no stain or odor	(Kmo)	40
45-50	54/60	0.02 - 0.06	Collect CPS-SRI-18-50-7-14-09 (49.5-50.0')	Light gray SANDS as above to 47.7' Same SAND with yellowish olive color, wet, no stain or odor		45
50-55	59/60	1.15 0 0 0 0 0		Slight chemical odor at 50.0-50.5' with light to medium gray color Light gray, yellow-brown and tan fine to medium and fine to coarse micaceous SANDs, trace silt, wet, no stain Slightly clayey at 53.3-53.6'		50 55

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name: Ciba Corporation – CPS Old Bridge Site | Location: **CPS-SRI-18**

Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
55-60	59/60	7.93 0.97 0 0 0 0	Possibly from slough	Odor and color from 55.0-55.7' same as upper 6" of 50-55' Soils as 50-55', except no clayey zone		55
60-65	55/60	11.7 0 0 0 0 0	Collect CPS-SRI-18-60-7-15-09 (60.0-60.5') Collect CPS-SRI-18-61-7-15-09 (60.8-61.3') *Upper sample collected in chemical odor*	Light to medium gray material with slight chemical odor 60.0-60.4' (slough) Soils as 55-60' Streaked orange-brown below 62'	Old Bridge	60
65-70	42/60	20.4 0.04 0.84	Collect CPS-SRI-18-65-7-15-09 (65.0-65.5') Collect CPS-SRI-18-66-7-15-09 (66.0-66.5') (lower 18" not recovered)	Whitish gray and light yellow-brown fine to medium micaceous SAND, trace silt, wet, no stain or odor Coarsening downward to medium to coarse sand, orange-brown at base	Sand (Kmo)	65
70-75	60/60	3 - 13 7 0 0 0 0		Gray fine to coarse SAND, trace silt, wet, slight chemical odor (disturbed material) Orange-brown fine to coarse slightly micaceous SAND, trace (+) to little silt, wet, no stain or odor Base of Old Bridge Sand, top of South Amboy Fire Clay interval at 74' depth (-52' msl)		70
75-80	60/60	0 0 0 0 0 0		Grayish and red fine micaceous SAND, some clay, wet, no stain or odor (tip) Yellow-brown and light orange-brown fine to medium micaceous SAND, trace (+) silt, wet, no stain or odor Orange-brown and light gray CLAY layered with very fine SAND, wet, no stain or odor Orange-brown medium to coarse slightly micaceous SAND, trace to little silt/clay, with clasts of orange-brown and light gray CLAY, wet, no stain or odor Orange-brown, dark brown and dark gray interlayered CLAY and very fine SAND with lignite fragments, wet, no stain or odor	South Amboy Fire Clay (Kms)	75
80-85	57/60	0 0 0 0 0 0		Grayish white, tan and light gray interlayered fine micaceous SAND, trace to little clay/silt, with thin brown clay seams (0.25" thick), wet, no stain or odor Oxidized orange-brown band in sand at 82' Dark gray to black lignite-rich bands 81-82.5' White and light yellow-brown/orange-brown medium SAND, trace silt, wet, no stain or odor		80 85

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site | Location: **CPS-SRI-18**

Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
85-90	60/60	0 0.12 0 0 0 0	Archive CPS-SRI-18-89-7-15-09 (88.8-89.3')	Same as base of 80-85', purplish-red 86.5-88.0' Yellow-brown, dark brown and dark gray fine to coarse micaceous SAND, trace (+) silt, lignite, 0.125" thick clay seam at 89.5', wet, no stain or odor	South Amboy	85
90-95	60/60	0 0 0 0 0 0		Grayish white fine to medium SAND coarsening downward to medium SAND, trace (+) silt, few 0.125" thick clay bands Base of South Amboy Fire Clay interval, top of Woodbridge Clay at 94' bgs (-72' msl)	Fire Clay (Kms)	90
95-100	60/60	0 0 0 0 0 0	Collect CPS-SRI-18-95-7-14-09 (95.0-95.5')	Coarse SAND with 0.25" clay band and lignite layer in lowest 3", wet, no stain or odor Dark gray fine to coarse SAND, little to some clay, abundant brown to black lignite Dark gray to medium gray CLAY, little fine to coarse sand, wet, no stain or odor Meduim gray fine to coarse SAND, trace silt, with clasts of dark gray slightly micaceous CLAY 0.2' White CLAY with apparent shell fragments Dark gray very fine micaceous SAND, trace (+) silt, with thin interbedded CLAY ribbons (0.125" thick), lignite fragments, wet, no stain or odor	Wood-bridge Clay (Kw)	95 100

End of Boring at 100.0'

Notes:

- Screening with PID started below 20'
- All samples collected for VOC analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-19**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	7/28/09	Screen:	N/A
Logged By:	Tim Hull	Riser:	N/A
Drilling Co.:	ETD	Sand Pack:	N/A
Driller(s):	Mike Ryan	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	7/28/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	40/60	- - -	Collect CPS-SRI-19-4-7-28-09 (3.7-4.2')	Top 2.5' fill – crushed concrete and angular rock fragments in matrix with tan medium to coarse SAND Fine to medium brown and dark gray SAND, trace (+) silt, purple staining 4.1-4.5', to 4.5' Orange-brown fine to medium SAND, little to some silt, trace (+) to little fine to medium sub rounded gravel	Alluvium (Qal)	0
5-10	46/60	- - -	Collect CPS-SRI-19-8-7-28-09 (7.7-8.2')	Light gray fine SAND, some of prior unit along edge of core toward top, possibly at top of core and slid down when core got wet (sample interval .3 solid, so whole core likely shifted) to 9.5' Dark gray clayey slightly micaceous SAND, trace silt, shiny black color and strong odor in some places, possible product presence First. 0.6' light gray fine to medium slightly micaceous SAND, then 0.2' light to medium gray CLAY, soft	Old Bridge Sand (Kmo)	5
10-15	48/60	- - -	Collect CPS-SRI-19-12-7-28-09 (11.7-12.2')	Orange-brown and tan layers of fine to medium slightly micaceous SAND, trace to trace (+) silt to 13.4' Light gray very fine to fine SAND, layered with clay lenses (0.1') layers of both) below 13.9'		10
15-20	53/60	- - -	Collect CPS-SRI-19-16-7-28-09 (15.7-16.2') Collect CPS-SRI-19-20-7-28-09 (19.5-20.0')	Interbedded light gray SAND and CLAY as above, with layers becoming thicker and clay less frequent below 16', black layer from 16.8-17.2' (shiny, silty), largest clay layer from 17.8-18.1'		15 20

End of Boring at 20.0'

Note: All samples collected for VOC, SVOC, metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-20**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	7/28/09, 8/6/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	ETD and S2C2	Sand Pack:	N/A
Driller(s):	Mike Ryan and Matt Ruf	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	9/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	32/60	- - -	Collect CPS-SRI-20-4-7-28-09 (3.7-4.2')	Fill – concrete fragments, angular rock fragments, SAND and SILT to 2.5' Purple-stained (2.5-3.2') and orange-brown (3.2'-end of core) fine to medium SAND, some fine sub-rounded gravel	Alluvium (Qal)	0
5-10	48/60	- - -	Collect CPS-SRI-20-8-7-28-09 (7.7-8.2')	Light gray and orange-brown fine SAND, trace silt, trace (-) to little sub-rounded gravel (increasing at base) to 9'		5
10-15	60/60	- - -	Collect CPS-SRI-20-12-7-28-09 (11.7-12.2')	Light gray, dark gray, orange-brown variegated layers of fine SAND and CLAY Tan and light gray (last 4") CLAY to 11.1' Orange-brown, tan, and light gray very fine to fine SAND to 12.2' Medium gray fine SAND, trace (+) to little silt to 12.6' Light gray very fine to fine SAND	Old Bridge Sand (Kmo)	10 15
12-16	44/48	- - -	Collect CPS-SRI-20-16-8-6-09 (15.5-16.0')	8" light gray cavings, then gray and brown banded very fine SAND and silt, wet, chemical odor, to 13.5' Light gray fine to medium slightly micaceous SAND, trace (-) silt, wet, chemical odor	Old Bridge Sand (Kmo)	12
16-20	48/48	- - -	Collect CPS-SRI-20-20-8-6-09 (19.5-20.0')	Gray to grayish white fine to medium slightly micaceous SAND, trace (-) silt, slight chemical odor, wet		16 20

End of Boring at 20.0'

Note: All samples collected for VOC, SVOC, metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-21**
Project Number:	08104		
Location:	CPS Site - former tank farm "Source Area"		
Drilling Date:	7/28/09, 8/6/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	ETD and S_2C_2	Sand Pack:	N/A
Driller(s):	Mike Ryan and Matt Ruf	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Depth to Water (feet):	Not measured	Abandonment Date:	8/6/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	42/60	- - -		Light gray and tan fine SAND (some areas very fine), trace (-) silt, trace (-) sub-rounded gravel, finer and siltier section at base, to 3.9' Orange-brown and tane fine to medium SAND, trace (+) to little sub rounded gravel, trace(-) silt	Alluvium (Qal)	0
5-10	60/60	- - -		Orange-brown grading to light gray very fine to fine SAND, trace (-) silt (mainly in brown section), coarser zone (fine to coarse) 7.8-8.4'	Old Bridge Sand (Kmo)	5 10
8-12	40/48	- - -	Collect CPS-SRI-21-12-8-6-09 (11.5-12.0')	Olive brown and dark gray fine to medium slightly micaceous SAND, trace silt, wet, moderately strong chemical odor	Old Bridge Sand (Kmo)	8
12-16	48/48	- - -	Collect CPS-SRI-21-15-8-6-09 (14.7-15.2') Shifted to 15' to avoid disturbed portion at 16' (core extrusion)	Gray fine to medium slightly micaceous SAND, trace (-) silt, slight to moderate sewage-like odor, wet		12
16-20	48/48	- - -	Collect CPS-SRI-21-20-8-6-09 (19.5-20.0')	Light gray fine to medium slightly micaceous SAND, trace (-) silt, slight to moderate sewage-like odor, wet		16 20

End of Boring at 20.0'

Note: All samples collected for VOC, SVOC, metals analysis

DIRECT-PUSH BORING LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-DGT-7**
Project Number:	08104		
Location:	Runyon watershed, downgradient groundwater transect		
Drilling Date:	7/13/09	Screen:	N/A
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	ARS Technologies, Inc.	Sand Pack:	N/A
Driller(s):	Chris	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	3-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	86’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Tremmie grouting
Ground Surface Elev:	21.9’	Abandonment Date:	7/13/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
				Dark brown sandy TOPSOIL 6”	Old Bridge Sand (Kmo)	0
0-5	36/60	- - -		Orange-brown to grayish white fine to medium SAND, trace silt, slightly micaceous, no stain or odor, wet at 4.0’		
5-10	45/60	- - -		As above, but fine to coarse SAND to 9.5’		5
				Brown fine to medium SAND, little silt, wet, no stain or odor		
10-15	58/60	- - -		Tan fine to coarse SAND, trace (-) silt, wet no stain or odor, to 12’		10
				Brown and dark gray slightly micaceous fine to medium SAND trace (+) silt, abundant organic debris, wet, no stain or odor		
15-20	31/60	- - -		Grayish white to brown fine slightly micaceous SAND, trace (-) silt, wet, no stain or odor		15
20-25	42/60	- - -		As above, base grading to fine to coarse SAND, grayish white, wet, no stain or odor		20
						25

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site				Location: **CPS-SRI-DGT-7**		
Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
25-30	49/60	- - -		As above to 27’ Grayish white slightly micaceous fine to coarse SAND, trace (-) silt, wet, no stain or odor	Old Bridge Sand (Kmo)	25
30-35	22/60	- - -		As above to approximately 36’, dark gray organic banding at approximately 35’		30
35-40	59/60	- - -		White to light gray fine to coarse micaceous SAND, little to some clay/silt, wet, slight sulfide-like odor Tan micaceous fine SAND, trace silt with dark gray organic banding, wet, slight sulfide-like odor		35
40-45	51/60	- - -		White to light gray fine to coarse micaceous SAND, trace silt, wet, sulfide-like odor, occasional dark gray organic banding, yellowish olive at 44.5’ – 45’ Sulfide-like odor diminished at base		40
45-50	51/60	- - -		As above, faint yellowish olive streaks, sulfide-like odor now absent		45
50-55	54/60	- - -		As above (same as 45-50’ interval)		50 55

DIRECT-PUSH BORING LOG

Project Name: Ciba Corporation – CPS Old Bridge Site | Location: **CPS-SRI-DGT-7**

Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
55-60	42/60	- - -		As above (same as 45-50' interval)	Old Bridge Sand (Kmo)	55
				No sample recovered		
60-65	?/60	- - -		Core barrel jammed – hammered it out as disturbed sample onto table. Top half is orange-brown fine to coarse SAND, trace silt, wet, no stain or odor. Top of South Amboy Fire Clay at approximately 62 ft (-40' msl).		60
				Tan and orange-brown streaked CLAY, stiff, moist, no stain or odor.		
				Loose orange-brown and tan SAND as in previous interval – may be cavings because drillers pulled and readvanced rods a couple times attempting to free sample barrel	South Amboy Fire Clay (Kms)	
65-70	?/60	- - -		(Sample stuck to barrel- disturbed sample hammered out onto table) Top portion tan and orange-brown fine to coarse SAND, trace silt, wet, no stain or odor		65
				Orange-brown clayey SAND 2"		
				Dark gray top 3" to whitish gray CLAY, firm (top) to hard, moist, no stain or odor		
70-75	50/60	- - -		(Had to extrude sample from liner and barrel- slightly disturbed) Whitish gray CLAY, slightly pyritic, hard, moist, no stain or odor. There is a very fine dark gray speckling throughout the core		70
75-80	?/60	- - -		Whitish gray CLAY same as 70-75' interval. Reddish streaked material at very base of core disturbed during core extrusion, moist, no stain or odor		75
80-85	60/60	- - -		Whitish gray, very slightly micaceous CLAY with yellowish streaks and very fine dark gray speckling, changing to red-brown at approximately 82', hard, moist, no stain or odor. Very micaceous with trace very fine sand and whitish gray again at approximately 84.8-85'		80
				Base of South Amboy Fire Clay interval at 85 ft (-63' msl)		85
85-86	24/12	- - -		Whitish gray CLAY with trace very fine sand as above, grading down to whitish gray very fine micaceous SAND, trace (-) little clay, wet, no stain or odor	(Kw)	86

End of Boring at 86.0'

Note: Kw – Woodbridge Clay

DIRECT-PUSH BORING LOG

Project Name:	CPS/Madison Superfund Site	Boring ID:	**SRI-14D-11**
Project Number:	08104		
Location:	CPS Site		
Drilling Date:	7/18/2011	Screen:	4-6' and 14-16'
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	S_2C_2	Sand Pack:	N/A
Driller(s):	Matt Ruf	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	MC-5 Center-Rod System	Abandonment Method:	Backfill/Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	11/5/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	30/60	0.0 0.0 0.0 0.0		0.2 feet of crushed asphalt Then, orange-brown fine to coarse sand, little fine rounded gravel, little silt. Moist. Dark grey band at 4.8' Then, olive-brown, orange-brown and tan fine to medium sand, trace (+) to little silt, slightly micaceous.	Alluvium (Qal)	0
5-10	50/60	0.0 0.0 0.0 0.0		A/A to 8.5'. Wet.		5
10-15	32/60	0.0 0.0 0.0 0.0		Olive grey, slightly micaceous, fine to medium sand, trace (-) silt, wet.	Old Bridge Sand (Kmo)	10
15-20	55/60	0.0 0.0 0.0 0.0				15 20

DIRECT-PUSH BORING LOG

Project Name:	CPS/Madison Superfund Site	Boring ID:	**SRI-14D-12**
Project Number:	08104		
Location:	CPS Site		
Drilling Date:	7/18/2011	Screen:	4-6' and 14-16'
Logged By:	Jim Peterson	Riser:	N/A
Drilling Co.:	S_2C_2	Sand Pack:	N/A
Driller(s):	Matt Ruf	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	20'	Approx. Yield (gpm):	N/A
Sampling Method:	MC-5 Center-Rod System	Abandonment Method:	Backfill/Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	11/5/09

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Lithologic Unit(s)	Depth (feet)
0-5	40/60	18 0.0 0.0 0.0	@ 1.5 feet PID hit and petroleum smell	0.4 feet of crushed asphalt Then, olive-brown, olive fine to medium sand, trace (+) to little silt, slightly micaceous. Wet at 2 feet. Dark grey band at 4.8' Then, orange-brown fine to coarse sand, little fine rounded gravel, trace (+) silt. Wet	Alluvium (Qal)	0
5-10	60/60	0.0 0.0 0.0 0.0		A/A to 8.5 feet. Then, yellow-brown and olive-grey fine to medium slightly micaceous sand, trace (-) silt, wet.		5
10-15	52/60	0.0 0.0 0.0 0.0		Olive-brown to grey-brown fine to medium slightly micaceous sand, trace (-) silt. Wet. Brown clayey band at 12.5 feet Very light gray slightly micaceous fine to medium sand, trace (-) silt. Wet.	Old Bridge Sand (Kmo)	10
15-20	60/60	0.0 0.0 0.0 0.0		Band of silty very fine sand at 16.0 feet. Very light gray slightly micaceous fine to medium sand, trace (-) silt. Wet.		15 20

APPENDIX A - 3

SURFACE SOIL DESCRIPTIONS

(SRI Phase 2)

Shallow Soil Sample Descriptions (July 11 - 12, 2011)
Former CPS Plant Area

CPS/Madison Superfund Site
Old Bridge, NJ

Location	Date	Interval (feet)	PID Readings (ppm)	Recovery	Description
SRI-SS-21	7/11/2011	0-2	0.0 (throughout)	24/24	Approximately 6" of asphalt above soil. Then, orange-brown medium to coarse sand. Trace (-) silt. Trace medium to coarse sub rounded gravel. Soft and moist to 16" (Qal). Then, grey fine sand, some silt. Firm to hard and dry to moist (Kmo).
SRI-SS-22	7/11/2011	0-2	0.0 (throughout)	18/24	Approximately 6" of mulch and wood chips above soil. Then, orange-brown medium to coarse sand. Trace (-) silt. Trace medium to coarse sub-rounded gravel. Soft and moist to 24". No odor or discoloration (NOOD) (Qal).
SRI-SS-23	7/11/2011	0-2	0.0 (throughout)	24/24	Approximately 6" of asphalt above soil. Then light brown fine to medium sand. Trace (-) silt. Trace (-) sub-rounded gravel. Firm and moist. NOOD (Qal).
SRI-SS-24	7/11/2011	0-2	3.5 @ 1.5 ft. 0.0 throughout rest of core	24/24	Approximately 6" of asphalt above soil. Then, olive medium sand, trace (-) silt. Soft and moist. Slight solvent odor, no discoloration to 6". Then, grey fine sand, some silt/clay. Firm and moist. Coarsening downward to 2'. Solvent odor (Kmo).
SRI-SS-25	7/11/2011	0-2	0.0 (throughout)	24/24	Approximately 6" layer of gravel and asphalt above soil. Then, light brown fine to medium sand. Trace (-) silt. Trace (-) sub-rounded gravel. Firm and moist, hardening downward. NOOD. To 12". Then, grey gravel (likely fill material) to 16". Then, dark brown fine to medium sand, trace silt. Trace sub-rounded and rounded gravel. Firm and moist. NOOD. To 24" (Qal).
SRI-SS-26	7/11/2011	0-2	0.0 (throughout)	24/24	Brown to dark brown medium to coarse sand. Orangish brown mottling. Trace silt, trace sub-angular gravel. Moist and soft to firm. NOOD. To 12". Then, dark brown fine sand, some silt/clay. Firm and moist to 20". Then, fine orange-brown sand, trace (-) silt. NOOD throughout (Qal).
SRI-SS-27	7/11/2011	0-2	0.0 (thoughout)	24/24	Approximately 6" layer of asphalt above soil. Then, dark brown medium to coarse sand, trace (-) silt, trace sub-angular gravel. Firm and moist to 8". Then, orangish-light brown medium sand, trace (-) silt. Soft to firm and moist to 12". Then, grey fine sand, some silt. Mixed with fine orange sand (Qal). Firm and moist. NOOD throughout.
SRI-SS-28	7/11/2011	0-2	0.0 (throughout)	24/24	Approximately 6" layer of gravel and rocks above soil. Then, dark brown medium to coarse sand, trace (+) sub-rounded gravels. Dry and firm. NOOD. To 12". Then, grey fine sand, some silt. Slight odor. No PID hit. Firm and dry. To 18". Then, orange and dark brown medium to coarse sand, trace (-) silt. Trace sub rounded gravel. Slight odor. Firm and dry (Qal).
SRI-SS-29	7/11/2011	0-2	3.8 @ 18-24" 0.0 throughout rest of core	24/24	Approximately 4" of gravel and asphalt above soil. Then, olive to light brown medium to coarse sand, trace (-) silt, trace fine sub-rounded gravel. Soft and Moist. NOOD. To 12". Then, A/A but darker brown. Slight odor to 18". Then, very dark brown fine sand, trace (+) silt. Solvent odor (Qal). Firm and moist.
SRI-SS-30	7/12/2011	0-2	0.0 @0-6" 278 ppm @ 6-12" 23.2 ppm @ 12-18" 18.1 ppm @ 18-24"	24/24	Brownish grey medium to coarse sand, little silt, trace organic matter, trace (+) sub rounded and rounded gravel. NOOD. Wet and soft to 8". Then, dark brown to black fine sand, silt and clay, trace sub-rounded gravel increasing with depth. Solvent odor no discoloration. Soft and wet (Qal).

Shallow Soil Sample Descriptions (July 11 - 12, 2011)
Former CPS Plant Area

CPS/Madison Superfund Site
Old Bridge, NJ

SRI-SS-31	7/11/2011	0-2	0.0 (throughout)	24/24	Dark brown medium to coarse sand, trace (-) silt. Firm and moist. NOOD. To 18" (Qal). Then, gray fine sand, trace silt. Soft and moist. NOOD. To 24" (Kmo).
SRI-SS-32	7/12/2011	0-2	0.0 (throughout)	24/24	Light brown to brown fine to medium sand, trace silt, soft and moist to dry. NOOD. Same soil throughout core (Qal).
SRI-SS-33	7/12/2011	0-2	1.3 @0-6" 0.0 ppm @ 6-12" 5.5 ppm @ 12-18" 145 ppm @ 18-24"	24/24	Brown medium to coarse sand, trace (+) silt, trace rounded and sub-rounded gravel. Soft and wet. No odor until 18-24". Layer of concrete @18-20 inches (disturbed Qal over Qal)
SRI-SS-34	7/11/2011	0-2	0.0 (throughout)	24/24	Light brown fine to medium sand, trace silt, soft to firm, dry to moist. NOOD. To 18". Then, dark brown fine sand. Trace silt. Soft and dry to moist (Qal).
SRI-SS-35	7/12/2011	0-2	2.5 @0-6" 128 @ 6-12" 1867 @ 12-18" 3209 @ 18-24"	24/24	Dark brown to brown medium sand, trace silt, trace (-) fine sub-angular gravel. Soft and moist to 8". Then, orangish brown fine to medium sand coarsening downward. Soft and Moist. To 16". Then, fine sand with a **purple** discoloration. Strong solvent odor. Soft and moist. Solvent odor throughout (Qal).
SRI-SS-36	7/12/2011	0-2	0.0 (throughout)	24/24	Light brown to brown medium sand, trace silt, trace (-) fine sub-rounded gravel. Soft and dry to moist. NOOD. To 12". Then, A/A but slightly darker brown to 20" (Qal). Then, light tan to gray fine to medium sand, soft and moist. NOOD (Kmo).
SRI-SS-37	7/12/2011	0-2	0.0 (throughout)	24/24	Thin layer of organic material (leaves and sticks) above soil. Then, brown medium sand, trace (+) silt, trace sub-rounded gravel. Soft and dry to moist. To 12". Then, orangish brown medium to coarse sand, trace (-) silt, soft and dry to moist. To 18". Then, Dark brown fine sand, trace (+) silt. Soft to firm and dry. NOOD throughout (Qal).
SRI-SS-38	7/12/2011	0-2	0.0 (throughout)	24/24	Thin layer of organic material (leaves and sticks) above soil. Then, light brown medium to coarse sand, trace (-) silt. Soft and dry to moist. NOOD. To 12". Then, Orangish-light brown fine to medium sand with hint of orange throughout. Trace silt. Soft and dry to moist. NOOD (Qal).
SRI-SS-39	7/12/2011	0-2	0.0 (throughout)	24/24	Brown medium sand, trace organic matter (from above) fining downward. Soft and moist. NOOD. To 16". Then, fine to medium light tan sand. Soft and moist. NOOD. To 20". Then, orangish fine to medium sand, trace (-) silt. Soft and moist. NOOD (Qal).

Notes
Depths are recorded from below the noted surface cover material.
Qal - Alluvium (Quaternary)
Mmo - Old Bridge Sand Member of Magothy Formation (Cretaceous)

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-40**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/25/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/25/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	40/48	0.0 0.0 0.0 0.0	Collect CPS-SRI-SS-40-A (0.0-0.5) Collect CPS-SRI-SS-40-H (3.5-4.0’)	Dark-brown fine to medium SAND, trace silt, some large cobbles (sub-rounded). Soft and moist. NSOO Tan fine SAND, trace (-) sub-rounded gravel. Becoming darker brown with depth. Soft to firm, moist to dry. NSOO Orange-brown fine SAND. Soft and Moist. NSOO		0 4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-41**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/25/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/25/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	40/48	0.0 0.0 0.0 0.0	Collect CPS-SRI-SS-41-A (0.0-0.5) Collect CPS-SRI-SS-41-H (3.5-4.0’)	4” Broken Asphalt		0
				Light- to orange-brown medium SAND, trace sub-rounded/sub-angular gravel, trace(-) silt, soft and moist. NSOO		
				Brown to dark-brown medium SAND, trace (+) to little silt, becoming more siltier with depth. Soft and moist		
				Tan fine to medium SAND, soft and moist.		4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-42**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/25/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/25/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	38/48	0.0		8” crushed asphalt, some rootlets		0
		0.0	Collect CPS-SRI-SS-42-A (0.0-0.5)	Dark-brown to brown fine to medium SAND, trace silt, moist and soft. NSOO		
		0.0		Grayish SAND, trace (-) gravel, soft and moist. NSOO		
		0.0	Collect CPS-SRI-SS-42-H (3.5-4.0’)	Orange-brown m-c SAND, trace silt, trace sub-angular gravel (fining with depth). Soft and Moist.		4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-43**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/25/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/25/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	38/48	1.4 11.4 0.0 0.0	Collect CPS-SRI-SS-43-A (0.0-0.5) Collect CPS-SRI-SS-43-H (3.5-4.0’)	Brown medium to coarse SAND, some gravel (likely from above), soft, moist. Broken gravel and asphalt Dark-brown fine to medium SAND, trace (+) clay, trace silt, soft to firm, moist. NSOO.		0 4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-44**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/25/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/25/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	32/48	0.0		Crushed gravel and stone		0
		0.0	Collect CPS-SRI-SS-44-A (0.0-0.5)	Brown medium SAND, trace (+) silt, moist, firm.		
		35.9		Gravel and cobbles (possible slough)		
			Collect SS-SRI-SS-44-H (3.5-4.0’)	Dark-brown to black SILT, trace (+) sand, slight solvent odor, firm, dry to moist		
		33.4		Grayish clayey silt, trace (+) micaceous sand		4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-45**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/26/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/26/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	36/48	77.1		Concrete and concrete fragments		0
		52.7		Dark-brown medium to coarse SAND, trace silt, trace angular gravel. Soft to firm and moist.		
		0.5	Collect CPS-SRI-SS-45-A (0.0-0.5)	Dark-brown fine to medium SAND, little silt, trace sub-angular gravel. Firm and dry to moist. NSOO.		
		20.3	Collect SS-SRI-SS-45-H (3.5-4.0’)	Grayish brown fine to medium SAND, trace (-) silt (clayier layer @ 3.5’ to 3.75’) Faint solvent odor. Soft and moist.		4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-46**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/26/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/26/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	40/48	0.0	Collect CPS-SRI-SS-46-A (0.0-0.5)	Crushed asphalt		0
		1.2		Orange-brown medium to coarse SAND, trace silt, few large sub-rounded gravel fragments. Soft and Moist.		
				Brown to gray-brown fine SAND, trace silt		
		0.0		Gray clayey silt, trace fine sand. Firm and moist.		
		0.0	Collect SS-SRI-SS-46-H (3.5-4.0’)	Gray fine to medium SAND, trace (-) silt. Soft and moist. (6” clayey silt layer @ 3.0’ to 3.5’)		4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-47**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/26/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/26/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	40/48	0.0		Crushed asphalt fragments		0
		0.0	Collect CPS-SRI-SS-47-D (1.5-2.0)	Orange-brown medium to coarse SAND. Soft and dry to moist. NSOO		
				Black stained SILT, slight petroleum odor		
		0.0		Gray clayey silt, trace (-) fine sand, stiff, dry to moist.		
		0.0	Collect SS-SRI-SS-47-H (3.5-4.0’)	Gray fine SAND, soft, moist, NSOO.		4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-48**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/24/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/24/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	32/48	0.0	Collect CPS-SRI-SS-48-A (0.0-0.5)	Leaves and roots		0
		0.0		Brown fine to medium SAND, trace (-) sub-rounded gravel, soft and moist.		
		0.0		Orange-brown medium SAND, trace sub-rounded/sub-angular gravel (increasing to some from 2.0-2.5’). Soft and dry to moist.		
		0.0	Collect CPS-SRI-SS-48-H (3.5-4.0’)	Becoming more greyish brown at 3.5-4.0’ Clay content increasing with depth.		4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-49**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/24/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/24/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	34/48	0.0	Collect CPS-SRI-SS-49-A (0.0-0.5)	Dark-brown sand and silt with OM (rootlets)		0
		0.0		Dark to light brown fine to medium SAND, trace (-) silt, trace (-) sub-rounded gravel.		
		0.0	Collect CPS-SRI-SS-49-H (3.5-4.0’)	Orange-brown fine to coarse SAND, trace (+) sub-rounded/sub-angular gravel, soft, dry to moist. Becoming greyish brown between 3.5-4.0’		
		0.0				4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-50**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/24/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/24/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	36/48	0.0	Collect CPS-SRI-SS-50-A (0.0-0.5)	Brown fine SAND, trace silt, trace (-) OM (rootlets). Soft and Dry. NSOO		0
		0.0		As above, with trace (-) sub-rounded gravel, firm and moist.		
		0.0	Collect CPS-SRI-SS-50-H (3.5-4.0’)	Fine SAND, trace (-) sub-rounded gravel becoming more orange with depth		
		0.0		Becoming more brown with depth		4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-51**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/24/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/24/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	32/48	0.0 0.0 0.0 0.0	Collect CPS-SRI-SS-51-A (0.0-0.5) Collect CPS-SRI-SS-51-H (3.5-4.0’)	Dark-brown fine SAND, trace (-) OM (rootlets), trace silt,. Soft and Dry. NSOO Light-brown to brown fine to medium SAND, trace silt, soft, moist. NSOO Light-brown to orange-brown fine to medium SAND, trace sub-rounded gravel (fining downward), firm, dry to moist. NSOO.		0 4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-52**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/24/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/24/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4	40/48	0.0	Collect CPS-SRI-SS-52-A (0.0-0.5)	Brown to dark-brown fine SAND, trace rootlet. Soft and Dry.		0
				Broken down pieces of asphalt		
		17.1		Orange-brown fine to medium SAND, trace sub-rounded gravel		
		123	Collect CPS-SRI-SS-52-G (3.0-3.5’)	Dark-brown clayey silt, stain and odor from tar		
				TAR and trace sand		
		57.1		Dark-brown clayey silt, stain and odor from tar		
				Fine brown SAND, trace sub-angular gravel		4

DIRECT-PUSH BORING / TEMPORARY WELL LOG

Project Name:	Ciba Corporation – CPS Old Bridge Site	Boring ID:	**CPS-SRI-SS-53**
Project Number:	12105		
Location:	CPS Site		
Drilling Date:	9/26/12	Screen:	N/A
Logged By:	Matt Bacon	Riser:	N/A
Drilling Co.:	ARS	Sand Pack:	N/A
Driller(s):	Anthony	Well Seal:	N/A
Drilling Method:	Direct-push	Screen Depth (feet):	N/A
Boring Diameter:	2-inch	Development/Purging:	N/A
Boring Depth, Total (feet):	4’	Approx. Yield (gpm):	N/A
Sampling Method:	Acetate core liner	Abandonment Method:	Backfill / Bentonite
Depth to Water (feet):	Not measured	Abandonment Date:	9/26/12

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Sample Interval (feet)	Recovery (inches)	PID (ppm)	Comments or Notes	Stratigraphic Description	Piezometer Construction Sketch	Depth (feet)
0-4		0.0	Collect CPS-SRI-SS-53-A (0.0-0.5)	Concrete and concrete fragments		0
		0.0		Dark-brown medium SAND, silt, trace gravel.		
		0.0		3” of silty clay. Soft and moist		
		1.0	Collect SS-SRI-SS-53-H (3.5-4.0’)	Dark-brown medium SAND, trace (+) silt, trace sub-angular gravel. Soft and moist		4

APPENDIX B

ANALYTICAL RESULTS SUMMARY TABLES

SRI Phase 1

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	CPS-SRI-21-4			CPS-SRI-21-8			SRI-1-4			SRI-1-8			SRI-1-12			SRI-1-16			SRI-1-20			SRI-1-50			SRI-1-75		
						5736090			5736091			5755886			5758433			5758434			5755889			5755890			5758437			5758438		
						07/27/09			07/27/09			08/20/09			08/20/09			08/20/09			08/20/09			08/20/09			08/20/09			08/20/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3' - 5'			7' - 9'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			49' - 51'			74' - 76'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800		U	0.001	0.078		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		U	0.001	1.3		0.001		U	0.001		U	0.001		U	0.001	0.01		0.001		U	0.001		U	0.001		U	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700	0.061		0.001	0.58		0.001		U	0.001		U	0.001		U	0.001	0.002		0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		U	0.001		U	0.001		U	0.001		U	0.001	0.002		0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180	0.4		0.001	0.08		0.001		U	0.001		U	0.001	0.004		0.001	0.004		0.001	0.002		0.001		U	0.001		U	0.001
ACETONE	67-64-1	NA	70000	12	2.5		U	0.007		U	0.007		U	0.007	0.029		0.007	0.047		0.007	0.097		0.007	0.011		0.007	0.009		0.007		U	0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14	0.65		0.0005	12		0.0005		U	0.0005		U	0.0005	0.001		0.0005	0.005		0.0005	0.011		0.0005		U	0.0005		U	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.005		0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85	0.71		0.001	0.38		0.001	0.009		0.001	0.001		0.001	0.01		0.001	0.015		0.001	0.042		0.001		U	0.001		U	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44	1.7		0.001	0.71		0.001		U	0.001		U	0.001	0.004		0.001	0.005		0.001		U	0.001		U	0.001		U	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		U	0.002		U	0.002		U	0.002	0.005		0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02	0.13		0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	810	8.7		0.001	5.1		0.001		U	0.001	0.002		0.001	0.001		0.001	0.009		0.001	0.002		0.001	0.002		0.001		U	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190	9.5		0.001	3		0.001		U	0.001		U	0.001	0.035		0.001	0.028		0.001		U	0.001		U	0.001		U	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-2-4			SRI-2-8			SRI-2-12			SRI-2-16			SRI-2-20			SRI-3-4			SRI-3-8			SRI-3-12			SRI-3-16		
						5743855			5743856			5743857			5743858			5743859			5743496			5743497			5742634			5742635		
						08/06/09			08/06/09			08/06/09			08/06/09			08/06/09			08/05/09			08/05/09			08/05/09			08/05/09		
						3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800		U	0.001		U	0.001		U	0.001	0.004		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700		U	0.001		U	0.001	0.002		0.001	0.02		0.001	0.004		0.001		U	0.001	0.004		0.001		U	0.001		U	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001		U	0.001		U	0.001		U	0.001	0.002		0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		U	0.001		U	0.001		U	0.001	0.013		0.001	0.004		0.001		U	0.001	0.004		0.001		U	0.001	0.002		0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180		U	0.001		U	0.001	0.003		0.001	0.034		0.001	0.008		0.001		U	0.001	0.014		0.001		U	0.001	0.007		0.001
ACETONE	67-64-1	NA	70000	12	2.5		U	0.007		U	0.007	0.052		0.007	0.028		0.007	0.035		0.007	0.011		0.007	0.02		0.007		U	0.007	0.011		0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14		U	0.0005		U	0.0005	0.001		0.0005	0.057		0.0005	0.055		0.0005	0.002		0.0005	0.001		0.0005	0.0009		0.0005	0.003		0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		U	0.001		U	0.001		U	0.001	0.002		0.001	0.004		0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85		U	0.001		U	0.001	0.003		0.001	0.056		0.001	0.1		0.001		U	0.001	0.01		0.001	0.009		0.001	0.2		0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.008		0.001		U	0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44	0.093		0.001		U	0.001	0.004		0.001	0.11		0.001	0.088		0.001		U	0.001	0.003		0.001		U	0.001		U	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		U	0.002		U	0.002		U	0.002	0.003		0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02	0.084		0.02	0.18		0.02		U	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	810		U	0.001		U	0.001	0.034		0.001	0.091		0.001	0.23		0.001		U	0.001	0.002		0.001		U	0.001		U	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190	0.4		0.001	0.11		0.001	0.029		0.001	0.56		0.001	0.37		0.001		U	0.001	0.014		0.001		U	0.001		U	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-3-20			SRI-4-4			SRI-4-8			SRI-4-12			SRI-4-16			SRI-4-20			SRI-5-4			SRI-5-8			SRI-5-12		
						5743500			5743865			5743866			5743867			5743868			5743869			5742627			5742628			5743493		
						08/05/09			08/06/09			08/06/09			08/06/09			08/06/09			08/06/09			08/05/09			08/05/09			08/05/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20	0.007		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
ACETONE	67-64-1	NA	70000	12	2.5	0.023		0.007	0.021	J	0.007	0.012		0.007	0.013		0.007	0.17		0.007	0.023		0.007	0.014		0.007	0.023		0.007	0.012		0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		UJ	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		UJ	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14	0.009		0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		U	0.001		U	0.001	0.001		0.001		U	0.001	0.002		0.001	0.001		0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008	0.001		0.001		U	0.001		U	0.001		U	0.001	0.002		0.001	0.002		0.001		U	0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		UJ	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		U	0.003		UJ	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	810		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-5-16			SRI-5-20			SRI-6-4			SRI-6-8			SRI-6-12			SRI-6-16			SRI-6-20			SRI-7-4			SRI-7-8		
						5743494			5743495			5742622			5742623			5742624			5742625			5742626			5718038			5718039		
						08/05/09			08/05/09			08/05/09			08/05/09			08/05/09			08/05/09			08/05/09			07/06/09			07/06/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
ACETONE	67-64-1	NA	70000	12	2.5		U	0.007		U	0.007	0.033		0.007	0.018		0.007	0.016		0.007	0.011		0.007		U	0.007		U	0.007		UJ	0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		UJ	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		UJ	0.004
BENZENE	71-43-2	4	2	0.005	14		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005	0.03		0.0005		U	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002	0.19		0.002	0.2	J	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		UJ	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002	0.004		0.002		U	0.002		U	0.002		UJ	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005	0.0007		0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		UJ	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		UJ	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
TOLUENE	108-88-3	91000	6300	4	810		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		UJ	0.002		U	0.002		UJ	0.002		UJ	0.002		UJ	0.002		U	0.002		UJ	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-7-12			SRI-7-16			SRI-7-25			SRI-7-50			SRI-7-75			SRI-8-4			SRI-8-8			SRI-8-12			SRI-8-16		
						5718040			5718041			5718042			5755895			5755896			5742617			5742618			5742619			5742620		
						07/06/09			07/06/09			07/06/09			08/20/09			08/20/09			08/05/09			08/05/09			08/05/09			08/05/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		11' - 13'			15' - 17'			24' - 26'			49' - 51'			74' - 76'			3' - 5'			7' - 9'			11' - 13'			15' - 17'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		UJ	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		R	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		UJ	0.001		U	0.001		U	0.001	0.024		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
ACETONE	67-64-1	NA	70000	12	2.5		UJ	0.007		U	0.007		U	0.007	0.014		0.007	0.012		0.007	0.033		0.007	0.008		0.007	0.008		0.007	0.016		0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		UJ	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		UJ	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14		UJ	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		UJ	0.001		U	0.001		U	0.001	0.001		0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.002		0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		UJ	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		UJ	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		UJ	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005	0.0007		0.0005
STYRENE	100-42-5	230	90	2	ND		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		UJ	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
TOLUENE	108-88-3	91000	6300	4	810		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002		UJ	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001	0.001		0.001		U	0.001		U	0.001		R	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-8-20			SRI-9-4			SRI-9-8			SRI-9-12			SRI-9-16			SRI-9-20			SRI-10-4			SRI-10-8			SRI-10-12		
						5742621			5718651			5718652			5718653			5743879			5743880			5718646			5718647			5718648		
						08/05/09			07/07/09			07/07/09			07/07/09			08/06/09			08/06/09			07/07/09			07/07/09			07/07/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		R	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
ACETONE	67-64-1	NA	70000	12	2.5	0.018		0.007		R	0.007	0.03		0.007	0.018	J	0.007		U	0.007	0.011		0.007	0.016		0.007	0.009	J	0.007		UJ	0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		R	0.02		U	0.02		UJ	0.02		U	0.02		U	0.02		U	0.02		UJ	0.02		UJ	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		R	0.004		U	0.004		UJ	0.004		U	0.004		U	0.004		U	0.004		UJ	0.004		UJ	0.004
BENZENE	71-43-2	4	2	0.005	14		U	0.0005		R	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		R	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005	0.002		0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		R	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		R	0.001		U	0.001		UJ	0.001	0.001		0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		R	0.002		U	0.002		R	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		R	0.001		UJ	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		U	0.002		R	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		R	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		R	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		R	0.004		U	0.004		UJ	0.004		U	0.004		U	0.004		U	0.004		UJ	0.004		UJ	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		U	0.003		R	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		U	0.002		R	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005		R	0.0005		U	0.0005		UJ	0.0005		U	0.0005		U	0.0005		U	0.0005		UJ	0.0005	0.001	J	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		R	0.02		U	0.02		UJ	0.02		U	0.02		U	0.02		U	0.02		UJ	0.02		UJ	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
TOLUENE	108-88-3	91000	6300	4	810		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		UJ	0.002		R	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190		U	0.001		R	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-10-16			SRI-10-20			SRI-11-4			SRI-11-8			SRI-11-12			SRI-11-16			SRI-11-20			SRI-11-50			SRI-11-72		
						5718649			5718650			5726205			5726206			5726207			5726208			5726209			5726210			5726211		
						07/07/09			07/07/09			07/17/09			07/17/09			07/17/09			07/17/09			07/17/09			07/17/09			07/17/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			49' - 51'			71' - 73'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		U	0.002		UJ	0.002		UJ	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		R	0.001		R	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		R	0.001		R	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
ACETONE	67-64-1	NA	70000	12	2.5		U	0.007		U	0.007		U	0.007	0.013		0.007		U	0.007	0.023	J	0.007		U	0.007		UJ	0.007		UJ	0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14		U	0.0005		U	0.0005	0.001		0.0005		U	0.0005		U	0.0005		R	0.0005		U	0.0005		R	0.0005		R	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		U	0.001		U	0.001		U	0.001	0.003		0.001	0.003		0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85		U	0.001		U	0.001	0.003		0.001	0.003		0.001	0.003		0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.003		0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		U	0.001		R	0.001		R	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		UJ	0.002		UJ	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		UJ	0.004		U	0.004		UJ	0.004		UJ	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		U	0.003		U	0.003		UJ	0.003		UJ	0.003		UJ	0.003		R	0.003		R	0.003		R	0.003		R	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002	0.13		0.002		U	0.002		U	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005		U	0.0005		UJ	0.0005		UJ	0.0005		UJ	0.0005		U	0.0005		UJ	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	810		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		U	0.001		R	0.001		R	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-12-4			SRI-12-8			SRI-12-12			SRI-12-16			SRI-12-20			SRI-12-50			SRI-12-75			SRI-13-4			SRI-13-8		
						5754546			5754547			5754548			5754549			5754550			5754551			5754552			5758427			5754542		
						08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09		
						3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			49' - 51'			74' - 76'			3' - 5'			7' - 9'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		U	0.001		U	0.001		U	0.001		U	0.001	0.18		0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.16		0.001		U	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700		U	0.001		U	0.001		U	0.001		U	0.001	0.23		0.001		U	0.001		U	0.001	0.19		0.001		U	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.002		0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.087		0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180		U	0.001		U	0.001		U	0.001		U	0.001	1.9		0.001		U	0.001		U	0.001	0.62		0.001		U	0.001
ACETONE	67-64-1	NA	70000	12	2.5		U	0.007	0.022		0.007	0.023		0.007	0.028		0.007		U	0.007		U	0.007	0.01		0.007		U	0.007		U	0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14	0.32		0.0005		U	0.0005	0.0009		0.0005	0.002		0.0005	3.6	J	0.0005		U	0.0005		U	0.0005	0.28		0.0005		U	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		U	0.001		U	0.001		U	0.001	0.002		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		UJ	0.001		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85	0.89		0.001	0.004		0.001	0.039		0.001	0.13		0.001	85		0.001		U	0.001		U	0.001	4.3		0.001		U	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.003		0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44	3.8		0.001		U	0.001		U	0.001	0.029		0.001	4.5		0.001		U	0.001		U	0.001	0.98		0.001		U	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49	0.49		0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002	0.15		0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		U	0.002		U	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		U	0.003		U	0.003		U	0.003		U	0.003		R	0.003		U	0.003		U	0.003		U	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	810	1.5		0.001	0.002		0.001	0.007		0.001		U	0.001	1.3		0.001	0.003		0.001		U	0.001		U	0.001		U	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		UJ	0.002		UJ	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190	11		0.001		U	0.001	0.021		0.001	0.065		0.001	26		0.001		U	0.001		U	0.001	2.2		0.001		U	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-13-12			SRI-13-16			SRI-13-20			SRI-14-4			SRI-14-8			SRI-14-12			SRI-14-16			SRI-14-20			SRI-15-4		
						5758429			5758430			5758431			5754553			5754554			5754555			5754556			5754557			5736092		
						08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			07/28/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40	0.033		0.001		U	0.001		U	0.001	0.009	J	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001		U	0.001	0.002		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800	0.001		0.001	0.17		0.001	0.004		0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001	1.3		0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27	0.1		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.8		0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700	0.005		0.001	0.57		0.001	0.004		0.001		UJ	0.001		U	0.001		U	0.001	0.088		0.001	0.15		0.001	5.4		0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2	0.008		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		U	0.001		U	0.001	0.003		0.001		UJ	0.001		U	0.001		U	0.001	0.09		0.001	0.11		0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180	0.004		0.001	0.13		0.001	0.01		0.001		UJ	0.001		U	0.001		U	0.001	0.43		0.001	0.74		0.001		U	0.001
ACETONE	67-64-1	NA	70000	12	2.5	0.048		0.007		U	0.007	0.037		0.007	0.015		0.007	0.01		0.007	0.012		0.007		U	0.007		U	0.007	2.5		0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14	0.15		0.0005		R	0.0005	0.005		0.0005		U	0.0005		U	0.0005		U	0.0005	0.041		0.0005	0.17		0.0005	0.7		0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005	0.001		0.001		U	0.001	0.003		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		UJ	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85	0.25		0.001	1		0.001	0.072		0.001		U	0.001		U	0.001	0.002		0.001	5.3		0.001	4.2		0.001		U	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44	0.015		0.001		U	0.001	0.001		0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.24		0.001	0.73		0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002	0.22		0.002	0.24		0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		U	0.004	0.007		0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18	0.008		0.003		R	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50	0.016		0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002	1.2		0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005		U	0.0005	0.0009		0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	810	0.54		0.001		U	0.001		U	0.001		U	0.001	0.002		0.001	0.002		0.001	0.12		0.001	0.12		0.001	3.5		0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		U	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		UJ	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075	0.023		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190	0.068		0.001	0.056		0.001	0.002		0.001		U	0.001		U	0.001	0.001		0.001	0.079		0.001	0.89		0.001	5		0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-15-8			SRI-15-12			SRI-15-16			SRI-15-20			SRI-16-4			SRI-16-8			SRI-16-12			SRI-16-15			SRI-16-20		
						5736093			5736094			5736095			5736096			5743860			5743861			5743862			5743863			5743864		
						07/28/09			07/28/09			07/28/09			07/28/09			08/06/09			08/06/09			08/06/09			08/06/09			08/06/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			14' - 16'			19' - 21'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		U	0.001		U	0.001	0.16		0.001	0.038		0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.19		0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001	0.003		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.002		0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001	0.003		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.004		0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800	2.2		0.001	0.21		0.001	0.042		0.001	0.19		0.001	0.001		0.001		U	0.001	0.4		0.001		U	0.001	0.005		0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		U	0.001	0.003		0.001	0.27		0.001	0.049		0.001		U	0.001		U	0.001		U	0.001		U	0.001	6.5		0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700	7.7		0.001	1.6		0.001	0.2		0.001	4.4		0.001	0.004		0.001		U	0.001	0.65		0.001	0.077		0.001	0.9		0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		U	0.001		U	0.001	0.1		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		U	0.001		U	0.001	0.005		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001		U	0.001	0.051		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.35		0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		U	0.001	0.018		0.001	0.025		0.001	0.002		0.001	0.012		0.001		U	0.001		U	0.001		U	0.001	0.002		0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180	0.18		0.001	0.089		0.001	0.084		0.001	0.021		0.001	0.033		0.001		U	0.001	0.12		0.001	0.21		0.001	0.017		0.001
ACETONE	67-64-1	NA	70000	12	2.5		U	0.007	0.039		0.007	0.021		0.007	0.013		0.007	0.13		0.007	0.039		0.007		U	0.007		U	0.007	0.072		0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14	0.042		0.0005	0.005		0.0005	0.045		0.0005	0.001		0.0005	0.014		0.0005		U	0.0005		U	0.0005		U	0.0005	0.76		0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		U	0.001	0.001		0.001		U	0.001		U	0.001	0.002		0.001		U	0.001		U	0.001		U	0.001	0.002		0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85	0.76		0.001	0.3		0.001	0.17		0.001	0.002		0.001	0.043		0.001	0.002		0.001	0.097		0.001	2.6		0.001	0.32		0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.001		0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44	0.23		0.001	0.019		0.001	0.011		0.001	0.037		0.001	0.068		0.001		U	0.001	0.13		0.001	6.4		0.001	0.22		0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		U	0.004		U	0.004		U	0.004	0.022		0.004		U	0.004		U	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003	0.012		0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		U	0.002	0.004		0.002		U	0.002		U	0.002	0.003		0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		U	0.001	0.002		0.001	0.053		0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.002		0.001
TOLUENE	108-88-3	91000	6300	4	810	1		0.001	0.12		0.001	0.025		0.001	0.02		0.001	0.094		0.001		U	0.001		U	0.001		U	0.001	6.2		0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670	0.085		0.001		U	0.001	0.008		0.001	0.003		0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.002		0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		U	0.001	0.075		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.044		0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190	1.5		0.001	0.13		0.001	0.02		0.001	0.23		0.001	0.26		0.001		U	0.001	0.73		0.001	24		0.001	0.71		0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-17-4			SRI-17-8			SRI-17-12			SRI-17-16			SRI-17-20			SRI-17-25			SRI-17-34			SRI-17-41			SRI-17-75		
						5725439			5725440			5725441			5725442			5725443			5725444			5725446			5725445			5725447		
						07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09		
						3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			24' - 26'			33' - 35'			40' - 42'			74' - 76'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		U	0.001		U	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800		U	0.001	1.2		0.001		UJ	0.001		U	0.001	0.013		0.001	2800		0.001	4.5		0.001	0.11		0.001	0.001		0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700		U	0.001	0.89		0.001	0.11	J	0.001	0.004		0.001	0.01		0.001	100		0.001	0.12		0.001	0.002		0.001		U	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		U	0.001	0.095		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		U	0.001	0.089		0.001	0.22	J	0.001	0.018		0.001	0.002		0.001	16		0.001		U	0.001		U	0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180		U	0.001	0.27		0.001	1.3	J	0.001	0.053		0.001	0.01		0.001	44		0.001		U	0.001		U	0.001		U	0.001
ACETONE	67-64-1	NA	70000	12	2.5		R	0.007		R	0.007		R	0.007	0.015		0.007	0.012		0.007		R	0.007		U	0.007		U	0.007	0.01		0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14	0.32	J	0.0005	0.088	J	0.0005	4.4	J	0.0005	0.014		0.0005	0.025		0.0005		R	0.0005		R	0.0005		U	0.0005		U	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		U	0.001		U	0.001		U	0.001	0.002		0.001	0.003		0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85	5.2		0.001	1.1		0.001	57		0.001	0.41		0.001	0.7		0.001	2.8		0.001		U	0.001		U	0.001		U	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		UJ	0.002		UJ	0.002		UJ	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		U	0.001		U	0.001	0.003		0.001	0.001		0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44		U	0.001	0.08		0.001	0.23		0.001	0.017		0.001	0.018		0.001	3.5		0.001		U	0.001		U	0.001		U	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		U	0.002		U	0.002	0.14		0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		R	0.002		R	0.002		R	0.002		U	0.002		U	0.002		R	0.002		UJ	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		R	0.003		R	0.003		R	0.003		UJ	0.003		UJ	0.003		R	0.003		R	0.003		UJ	0.003		UJ	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		U	0.002	0.13		0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005		U	0.0005		U	0.0005		UJ	0.0005		UJ	0.0005		U	0.0005		U	0.0005		UJ	0.0005		UJ	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02		U	0.02	0.04		0.02		U	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	810		U	0.001	3		0.001	0.16		0.001	0.015		0.001	0.029		0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190		U	0.001	0.52		0.001	1.4		0.001	0.2		0.001	0.15		0.001	29		0.001		U	0.001		U	0.001		U	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-18-4			SRI-18-8			SRI-18-12			SRI-18-16			SRI-18-20			SRI-18-41			SRI-18-50			SRI-18-60			SRI-18-66		
						5724097			5724098			5724099			5724100			5724101			5724102			5724103			5724396			5724397		
						07/14/09			07/14/09			07/14/09			07/14/09			07/14/09			07/14/09			07/14/09			07/15/09			07/15/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			40' - 42'			49' - 51'			59' - 61'			65' - 67'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		U	0.001		U	0.001	1.1		0.001		UJ	0.001		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001	0.084		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800	1.3		0.001	0.24		0.001	0.057		0.001		UJ	0.001	0.11	J	0.001		UJ	0.001		U	0.001	0.006		0.001		U	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		U	0.001	0.58		0.001	5.1		0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.008		0.001	0.005		0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		UJ	0.002		UJ	0.002		UJ	0.002		U	0.002		UJ	0.002		UJ	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700	19		0.001	16		0.001	7.3		0.001		UJ	0.001	0.15	J	0.001	0.13	J	0.001		U	0.001	0.13		0.001	0.008		0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		U	0.001	1.4		0.001	0.37		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001	0.095		0.001	0.2		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16	0.59		0.001		U	0.001		U	0.001		UJ	0.001		UJ	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180	1.8		0.001	0.14		0.001	0.18		0.001		UJ	0.001		UJ	0.001		UJ	0.001		U	0.001	0.003		0.001		U	0.001
ACETONE	67-64-1	NA	70000	12	2.5		R	0.007	2.4	J	0.007		R	0.007		R	0.007		R	0.007		R	0.007		R	0.007		UJ	0.007		UJ	0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14	0.45	J	0.0005	0.6	J	0.0005	1.6	J	0.0005		R	0.0005		R	0.0005		R	0.0005		R	0.0005	0.003	J	0.0005	0.002	J	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85	41		0.001		U	0.001	0.86		0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.008		0.001	0.001		0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		UJ	0.002		UJ	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44	6		0.001	20		0.001	0.34		0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.004		0.001		U	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		U	0.002	0.11		0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		UJ	0.002		UJ	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		UJ	0.004		UJ	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		R	0.003	0.18	J	0.003		R	0.003		R	0.003		R	0.003		R	0.003		R	0.003		R	0.003		R	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		U	0.002	50		0.002	2.1		0.002		U	0.002		U	0.002		U	0.002		U	0.002	0.005		0.002	0.003		0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001	0.079		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	810	13		0.001	36		0.001	5.7		0.001		U	0.001	0.07		0.001		U	0.001		U	0.001	0.02		0.001	0.006		0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		R	0.001	0.67	J	0.001	0.25	J	0.001		R	0.001		R	0.001		R	0.001		R	0.001	0.002	J	0.001		R	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190	40		0.001	85		0.001	1.3		0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.018		0.001	0.002		0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-18-89			SRI-18-95			SRI-19-4			SRI-19-8			SRI-19-12			SRI-19-16			SRI-19-20			SRI-20-4			SRI-20-8		
						5724398			5724399			5736097			5736098			5736099			5736100			5736101			5736104			5736105		
						07/15/09			07/15/09			07/28/09			07/28/09			07/28/09			07/28/09			07/28/09			07/28/09			07/28/09		
						88' - 90'			94' - 96'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.024		0.001		U	0.001	40		0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.004		0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800		U	0.001		U	0.001	53		0.001	55		0.001	41		0.001	0.015		0.001	40		0.001	170		0.001	17		0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.009		0.001		U	0.001	27		0.001	1.9		0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700		U	0.001		U	0.001	49		0.001	9.9		0.001	10		0.001	1.2		0.001	7.3		0.001	8700		0.001	890		0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.009		0.001		U	0.001	20		0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.003		0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.028		0.001		U	0.001	2		0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16		U	0.001		U	0.001	0.12		0.001	0.41		0.001	0.085		0.001	0.037		0.001	0.072		0.001	7.9		0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180		U	0.001		U	0.001	0.74		0.001	2.3		0.001	0.43		0.001	0.12		0.001	0.36		0.001	180		0.001	16		0.001
ACETONE	67-64-1	NA	70000	12	2.5		U	0.007		U	0.007		U	0.007		U	0.007		U	0.007	0.019		0.007		U	0.007		U	0.007		U	0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14		U	0.0005		U	0.0005	0.062		0.0005	0.14		0.0005	0.09		0.0005	0.029		0.0005	0.13		0.0005	14		0.0005	3.5		0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		U	0.001	0.003		0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85		U	0.001		U	0.001	0.64		0.001	2.8		0.001	1.2		0.001	0.29		0.001	0.75		0.001		U	0.001		U	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		UJ	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44		U	0.001		U	0.001	4.8		0.001	2.2		0.001	1.1		0.001	0.02		0.001	1.1		0.001	44		0.001	12		0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		UJ	0.003		UJ	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002	31		0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		UJ	0.0005		UJ	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	3.6		0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	810		U	0.001		U	0.001	110		0.001	19		0.001	4.2		0.001	0.005		0.001	6.9		0.001	810		0.001	110		0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670		U	0.001		U	0.001	0.065		0.001		U	0.001		U	0.001		U	0.001		U	0.001	670		0.001	4.5		0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.061		0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190		U	0.001		U	0.001	23		0.001	12		0.001	5.9		0.001	0.018		0.001	5.3		0.001	190		0.001	53		0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-20-12			SRI-20-16			SRI-20-20			SRI-21-12			SRI-21-15			SRI-21-20		
						5736106			5743876			5743877			5743871			5743872			5743873		
						07/28/09			08/06/09			08/06/09			08/06/09			08/06/09			08/06/09		
						11' - 13'			15' - 17'			19' - 21'			11' - 13'			14' - 16'			19' - 21'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																							
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	40	1		0.001	0.026		0.001	0.1		0.001		U	0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	0.084		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	0.004		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	2800	0.38		0.001	0.013		0.001	0.05		0.001	0.026		0.001	0.005		0.001	0.009		0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	27	0.33		0.001	0.001		0.001	0.004	J	0.001		U	0.001		U	0.001	0.04		0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	8700	34		0.001	2.3	J	0.001	1.4	J	0.001	0.21		0.001	0.008		0.001	0.038		0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	20	0.55		0.001		U	0.001	0.005	J	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	0.005		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	2		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.002		0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	16	2		0.001		U	0.001	0.002		0.001	0.009		0.001	0.004		0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	180	8.9		0.001	0.019		0.001	0.042	J	0.001	0.07		0.001	0.016		0.001	0.002		0.001
ACETONE	67-64-1	NA	70000	12	2.5		U	0.007	0.016		0.007	0.016		0.007	0.088		0.007	0.021		0.007	0.019		0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	14	1.3		0.0005	0.002		0.0005	0.002	J	0.0005	0.03		0.0005	0.047		0.0005	0.1		0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.005		U	0.001	0.003		0.001	0.002		0.001		U	0.001	0.005		0.001	0.003		0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	85	49		0.001	0.028		0.001	0.028	J	0.001	0.23		0.001	0.066		0.001	0.21		0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.008		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.003		0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	44	2.2		0.001	0.004		0.001	0.003	J	0.001	0.014		0.001	0.017		0.001	0.096		0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.49	0.13		0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	0.022		U	0.004		U	0.004		U	0.004	0.01		0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	0.18		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	50	0.82		0.002	0.003		0.002	0.007	J	0.002	0.006		0.002		U	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	0.001		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	0.18		U	0.02		U	0.02		U	0.02	0.048		0.02		U	0.02	0.038		0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	3.6		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	810	11		0.001	0.052		0.001	0.052	J	0.001	0.077		0.001	0.032		0.001	0.3		0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	670	0.56		0.001	0.003		0.001	0.001	J	0.001		U	0.001		U	0.001	0.001		0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	0.075		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001	0.002		0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	190	14		0.001	0.019		0.001	0.022		0.001	0.15		0.001	0.073		0.001	0.43		0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	CPS-SRI-21-4			CPS-SRI-21-8			SRI-1-4			SRI-1-8			SRI-1-12			SRI-1-16			SRI-1-20			SRI-1-50			SRI-1-75		
						5736090			5736091			5755886			5758433			5758434			5755889			5755890			5758437			5758438		
						07/27/09			07/27/09			08/20/09			08/20/09			08/20/09			08/20/09			08/20/09			08/20/09			08/20/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3' - 5'			7' - 9'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			49' - 51'			74' - 76'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND								U	0.67		U	0.67		U	0.67		U	0.67		U	0.67		U	0.67		U	0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND								U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-NITROANILINE	88-74-4	83	39	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND								U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.041								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ACETOPHENONE	98-86-2	4	2	2	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ANTHRACENE	120-12-7	30000	17000	1500	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND								UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084							0.084		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
Biphenyl	92-52-4	34000	3100	90	96							0.045		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30							0.097		0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CARBAZOLE	86-74-8	96	24	NA	0.69								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CHRYSENE	218-01-9	230	62	52	0.073							0.073		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CRESOL,O	95-48-7	3400	310	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
CRESOL,P	106-44-5	340	31	NA	0.19								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
FLUORANTHENE	206-44-0	24000	2300	840	0.069							0.069		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
FLUORENE	86-73-7	24000	2300	110	1								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND								UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
NAPHTHALENE	91-20-3	16	6	16	5.3								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
NITROBENZENE	98-95-3	340	31	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND								U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17
PHENANTHRENE	85-01-8	300000	NA	NA	0.85								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PHENOL	108-95-2	210000	18000	5	26								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PYRENE	129-00-0	18000	1700	550	0.062							0.062		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-2-4			SRI-2-8			SRI-2-12			SRI-2-16			SRI-2-20			SRI-3-4			SRI-3-8			SRI-3-12			SRI-3-16		
						5743855			5743856			5743857			5743858			5743859			5743496			5743497			5742634			5742635		
						08/06/09			08/06/09			08/06/09			08/06/09			08/06/09			08/05/09			08/05/09			08/05/09			08/05/09		
						3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11																	U	0.067		U	0.067		U	0.067		U	0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12																	U	0.033		U	0.033		U	0.033		U	0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND																	U	0.033		U	0.033		U	0.033		U	0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3																	U	0.067		U	0.067		U	0.067		U	0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND																	UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND																	U	0.067		U	0.067		U	0.067		U	0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND																	U	0.033		U	0.033		U	0.033		U	0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053																	U	0.033		U	0.033		U	0.033		U	0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND																	UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13																	U	0.033		U	0.033		U	0.033		U	0.033
2-NITROANILINE	88-74-4	83	39	NA	ND																	U	0.033		U	0.033		U	0.033		U	0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND																	UJ	0.1		UJ	0.1		UJ	0.1		UJ	0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND																	U	0.067		U	0.067		U	0.067		U	0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.041																	U	0.033		U	0.033		U	0.033		U	0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND																	U	0.033		U	0.033		U	0.033		U	0.033
ACETOPHENONE	98-86-2	4	2	2	ND																	U	0.067		U	0.067		U	0.067		U	0.067
ANTHRACENE	120-12-7	30000	17000	1500	ND																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND																	U	0.067		U	0.067		U	0.067		U	0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND																	UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2																	UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067
Biphenyl	92-52-4	34000	3100	90	96																	U	0.033		U	0.033		U	0.033		U	0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND																	U	0.033		U	0.033		U	0.033		U	0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND																	U	0.033		U	0.033		U	0.033		U	0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30																0.098	J	0.067		UJ	0.067		UJ	0.067		UJ	0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
CARBAZOLE	86-74-8	96	24	NA	0.69																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
CHRYSENE	218-01-9	230	62	52	0.073																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
CRESOL,O	95-48-7	3400	310	NA	ND																	U	0.067		U	0.067		U	0.067		U	0.067
CRESOL,P	106-44-5	340	31	NA	0.19																	U	0.067		U	0.067		U	0.067		U	0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND																	U	0.067		U	0.067		U	0.067		U	0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND																	U	0.067		U	0.067		U	0.067		U	0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24																	U	0.067		U	0.067		U	0.067		U	0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14																	UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067
FLUORANTHENE	206-44-0	24000	2300	840	0.069																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
FLUORENE	86-73-7	24000	2300	110	1																	U	0.033		U	0.033		U	0.033		U	0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND																	U	0.067		U	0.067		U	0.067		U	0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND																	UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND																	U	0.033		U	0.033		U	0.033		U	0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND																	U	0.033		U	0.033		U	0.033		U	0.033
NAPHTHALENE	91-20-3	16	6	16	5.3																	U	0.033		U	0.033		U	0.033		U	0.033
NITROBENZENE	98-95-3	340	31	0.2	ND																	U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND																	UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND																	U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND																	U	0.033		U	0.033		U	0.033		U	0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND																	U	0.17		U	0.17		U	0.17		U	0.17
PHENANTHRENE	85-01-8	300000	NA	NA	0.85																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
PHENOL	108-95-2	210000	18000	5	26																	U	0.033		U	0.033		U	0.033		U	0.033
PYRENE	129-00-0	18000	1700	550	0.062																	UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-3-20			SRI-4-4			SRI-4-8			SRI-4-12			SRI-4-16			SRI-4-20			SRI-5-4			SRI-5-8			SRI-5-12		
						5743500			5743865			5743866			5743867			5743868			5743869			5742627			5742628			5743493		
						08/05/09			08/06/09			08/06/09			08/06/09			08/06/09			08/06/09			08/05/09			08/05/09			08/05/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11		U	0.067																	U	0.067		U	0.067		U	0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12		U	0.033																	U	0.033		U	0.033		U	0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND		U	0.033																	U	0.033		U	0.033		U	0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3		U	0.067																	U	0.067		U	0.067		U	0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND		UJ	0.67																	UJ	0.67		UJ	0.67		UJ	0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND		U	0.067																	U	0.067		U	0.067		U	0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND		U	0.033																	U	0.033		U	0.033		U	0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053		U	0.033																	U	0.033		U	0.033		U	0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND		UJ	0.17																	UJ	0.17		UJ	0.17		UJ	0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13		U	0.033																	U	0.033		U	0.033		U	0.033
2-NITROANILINE	88-74-4	83	39	NA	ND		U	0.033																	U	0.033		U	0.033		U	0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND		UJ	0.1																	UJ	0.1		UJ	0.1		UJ	0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND		U	0.067																	U	0.067		U	0.067		U	0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.041		U	0.033																	U	0.033		U	0.033		U	0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND		U	0.033																	U	0.033		U	0.033		U	0.033
ACETOPHENONE	98-86-2	4	2	2	ND		U	0.067																	U	0.067		U	0.067		U	0.067
ANTHRACENE	120-12-7	30000	17000	1500	ND		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND		U	0.067																	U	0.067		U	0.067		U	0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND		UJ	1.2																	UJ	1.2		UJ	1.2		UJ	1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2		UJ	0.067																	UJ	0.067		UJ	0.067		UJ	0.067
Biphenyl	92-52-4	34000	3100	90	96		U	0.033																	U	0.033		U	0.033		U	0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND		U	0.033																	U	0.033		U	0.033		U	0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND		U	0.033																	U	0.033		U	0.033		U	0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30		UJ	0.067																	UJ	0.067		UJ	0.067		UJ	0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
CARBAZOLE	86-74-8	96	24	NA	0.69		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
CHRYSENE	218-01-9	230	62	52	0.073		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
CRESOL,O	95-48-7	3400	310	NA	ND		U	0.067																	U	0.067		U	0.067		U	0.067
CRESOL,P	106-44-5	340	31	NA	0.19		U	0.067																	U	0.067		U	0.067		U	0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND		U	0.067																	U	0.067		U	0.067		U	0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND		U	0.067																	U	0.067		U	0.067		U	0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24		U	0.067																	U	0.067		U	0.067		U	0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14		UJ	0.067																	UJ	0.067		UJ	0.067		UJ	0.067
FLUORANTHENE	206-44-0	24000	2300	840	0.069		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
FLUORENE	86-73-7	24000	2300	110	1		U	0.033																	U	0.033		U	0.033		U	0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND		U	0.067																	U	0.067		U	0.067		U	0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND		UJ	0.17																	UJ	0.17		UJ	0.17		UJ	0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND		U	0.033																	U	0.033		U	0.033		U	0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND		U	0.033																	U	0.033		U	0.033		U	0.033
NAPHTHALENE	91-20-3	16	6	16	5.3		U	0.033																	U	0.033		U	0.033		U	0.033
NITROBENZENE	98-95-3	340	31	0.2	ND		U	0.033																	U	0.033		U	0.033		U	0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND		UJ	0.067																	UJ	0.067		UJ	0.067		UJ	0.067
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND		U	0.033																	U	0.033		U	0.033		U	0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND		U	0.033																	U	0.033		U	0.033		U	0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND		U	0.17																	U	0.17		U	0.17		U	0.17
PHENANTHRENE	85-01-8	300000	NA	NA	0.85		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033
PHENOL	108-95-2	210000	18000	5	26		U	0.033																	U	0.033		U	0.033		U	0.033
PYRENE	129-00-0	18000	1700	550	0.062		UJ	0.033																	UJ	0.033		UJ	0.033		UJ	0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-5-16			SRI-5-20			SRI-6-4			SRI-6-8			SRI-6-12			SRI-6-16			SRI-6-20			SRI-7-4			SRI-7-8		
						5743494			5743495			5742622			5742623			5742624			5742625			5742626			5718038			5718039		
						08/05/09			08/05/09			08/05/09			08/05/09			08/05/09			08/05/09			08/05/09			07/06/09			07/06/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND		UJ	0.033		UJ	0.033																					
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11		U	0.067		U	0.067																	U	0.067		U	0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12		U	0.033		U	0.033																	U	0.033		U	0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND		U	0.033		U	0.033																	U	0.033		U	0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3		U	0.067		U	0.067																	U	0.067		U	0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND		UJ	0.67		UJ	0.67																	UJ	0.67		UJ	0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND		U	0.067		U	0.067																	U	0.067		U	0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND		U	0.033		U	0.033																	U	0.033		U	0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053		U	0.033		U	0.033																	U	0.033		U	0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND		UJ	0.17		UJ	0.17																	UJ	0.17		UJ	0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13		U	0.033		U	0.033																0.16		0.033	0.07		0.033
2-NITROANILINE	88-74-4	83	39	NA	ND		U	0.033		U	0.033																	U	0.033		U	0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND		UJ	0.1		UJ	0.1																	U	0.1		U	0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND		U	0.067		U	0.067																	U	0.067		U	0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.041		U	0.033		U	0.033																	U	0.033	0.041		0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND		U	0.033		U	0.033																	U	0.033		U	0.033
ACETOPHENONE	98-86-2	4	2	2	ND		U	0.067		U	0.067																	U	0.067		U	0.067
ANTHRACENE	120-12-7	30000	17000	1500	ND		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND		U	0.067		U	0.067																	U	0.067		U	0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND		UJ	1.2		UJ	1.2																	UJ	1.2		UJ	1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2		UJ	0.067		UJ	0.067																	U	0.067		U	0.067
Biphenyl	92-52-4	34000	3100	90	96		U	0.033		U	0.033																	U	0.033		U	0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND		U	0.033		U	0.033																	U	0.033		U	0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND		U	0.033		U	0.033																	UJ	0.033		UJ	0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30		UJ	0.067		UJ	0.067																	U	0.067		U	0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
CARBAZOLE	86-74-8	96	24	NA	0.69		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
CHRYSENE	218-01-9	230	62	52	0.073		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
CRESOL,O	95-48-7	3400	310	NA	ND		U	0.067		U	0.067																	U	0.067		U	0.067
CRESOL,P	106-44-5	340	31	NA	0.19		U	0.067		U	0.067																	U	0.067		U	0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND		U	0.067		U	0.067																	U	0.067		U	0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND		U	0.067		U	0.067																	U	0.067		U	0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24		U	0.067		U	0.067																	U	0.067		U	0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14		UJ	0.067		UJ	0.067																	U	0.067		U	0.067
FLUORANTHENE	206-44-0	24000	2300	840	0.069		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
FLUORENE	86-73-7	24000	2300	110	1		U	0.033		U	0.033																	U	0.033	0.077		0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND		U	0.067		U	0.067																	U	0.067		U	0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND		UJ	0.17		UJ	0.17																	U	0.17		U	0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND		U	0.033		U	0.033																	U	0.033		U	0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND		U	0.033		U	0.033																	U	0.033		U	0.033
NAPHTHALENE	91-20-3	16	6	16	5.3		U	0.033		U	0.033																0.19		0.033		U	0.033
NITROBENZENE	98-95-3	340	31	0.2	ND		U	0.033		U	0.033																	U	0.033		U	0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND		UJ	0.067		UJ	0.067																					
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND		U	0.033		U	0.033																	U	0.033		U	0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND		U	0.033		U	0.033																	U	0.033		U	0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND		U	0.17		U	0.17																	U	0.17		U	0.17
PHENANTHRENE	85-01-8	300000	NA	NA	0.85		UJ	0.033		UJ	0.033																	U	0.033		U	0.033
PHENOL	108-95-2	210000	18000	5	26		U	0.033		U	0.033																	U	0.033		U	0.033
PYRENE	129-00-0	18000	1700	550	0.062		UJ	0.033		UJ	0.033																	U	0.033		U	0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-7-12			SRI-7-16			SRI-7-25			SRI-7-50			SRI-7-75			SRI-8-4			SRI-8-8			SRI-8-12			SRI-8-16		
						5718040			5718041			5718042			5755895			5755896			5742617			5742618			5742619			5742620		
						07/06/09			07/06/09			07/06/09			08/20/09			08/20/09			08/05/09			08/05/09			08/05/09			08/05/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		11' - 13'			15' - 17'			24' - 26'			49' - 51'			74' - 76'			3' - 5'			7' - 9'			11' - 13'			15' - 17'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND								U	0.033																		
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11		U	0.067		U	0.067		U	0.067																		
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12		U	0.033		U	0.033		U	0.033																		
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND		U	0.033		U	0.033		U	0.033																		
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3		U	0.067		U	0.067		U	0.067																		
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND		UJ	0.67		UJ	0.67		UJ	0.67																		
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND		U	0.067		U	0.067		U	0.067																		
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND		U	0.033		U	0.033		U	0.033																		
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053		U	0.033		U	0.033		U	0.033																		
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND		UJ	0.17		UJ	0.17		UJ	0.17																		
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13		U	0.033		U	0.033		U	0.033																		
2-NITROANILINE	88-74-4	83	39	NA	ND		U	0.033		U	0.033		U	0.033																		
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND		U	0.1		U	0.1		U	0.1																		
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067																		
ACENAPHTHENE	83-32-9	37000	3400	74	0.041		U	0.033		U	0.033		U	0.033																		
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND		U	0.033		U	0.033		U	0.033																		
ACETOPHENONE	98-86-2	4	2	2	ND		U	0.067		U	0.067		U	0.067																		
ANTHRACENE	120-12-7	30000	17000	1500	ND		U	0.033		U	0.033		U	0.033																		
BENZALDEHYDE	100-52-7	68000	6100	NA	ND		U	0.067		U	0.067		U	0.067																		
BENZIDINE	92-87-5	0.7	0.7	0.7	ND		UJ	1.2		UJ	1.2		UJ	1.2																		
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND		U	0.033		U	0.033		U	0.033																		
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND		U	0.033		U	0.033		U	0.033																		
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084		U	0.033		U	0.033		U	0.033																		
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND		U	0.033		U	0.033		U	0.033																		
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND		U	0.033		U	0.033		U	0.033																		
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2		U	0.067		U	0.067		U	0.067																		
Biphenyl	92-52-4	34000	3100	90	96		U	0.033		U	0.033		U	0.033																		
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND		U	0.033		U	0.033		U	0.033																		
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND		UJ	0.033		UJ	0.033		UJ	0.033																		
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30		U	0.067		U	0.067	0.099		0.067																		
CAPROLACTAM	105-60-2	340000	31000	8	ND		U	0.033		U	0.033		U	0.033																		
CARBAZOLE	86-74-8	96	24	NA	0.69		U	0.033		U	0.033		U	0.033																		
CHRYSENE	218-01-9	230	62	52	0.073		U	0.033		U	0.033		U	0.033																		
CRESOL,O	95-48-7	3400	310	NA	ND		U	0.067		U	0.067		U	0.067																		
CRESOL,P	106-44-5	340	31	NA	0.19		U	0.067		U	0.067		U	0.067																		
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND		U	0.033		U	0.033		U	0.033																		
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND		U	0.067		U	0.067		U	0.067																		
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067																		
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24		U	0.067		U	0.067		U	0.067																		
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14		U	0.067		U	0.067		U	0.067																		
FLUORANTHENE	206-44-0	24000	2300	840	0.069		U	0.033		U	0.033		U	0.033																		
FLUORENE	86-73-7	24000	2300	110	1		U	0.033		U	0.033		U	0.033																		
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND		U	0.033		U	0.033		U	0.033																		
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND		U	0.067		U	0.067		U	0.067																		
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND		U	0.17		U	0.17		U	0.17																		
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND		U	0.033		U	0.033		U	0.033																		
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND		U	0.033		U	0.033		U	0.033																		
ISOPHORONE	78-59-1	2000	510	0.2	ND		U	0.033		U	0.033		U	0.033																		
NAPHTHALENE	91-20-3	16	6	16	5.3		U	0.033		U	0.033		U	0.033																		
NITROBENZENE	98-95-3	340	31	0.2	ND		U	0.033		U	0.033		U	0.033																		
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND								U	0.067																		
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND		U	0.033		U	0.033		U	0.033																		
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND		U	0.033		U	0.033		U	0.033																		
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND		U	0.17		U	0.17		U	0.17																		
PHENANTHRENE	85-01-8	300000	NA	NA	0.85		U	0.033		U	0.033		U	0.033																		
PHENOL	108-95-2	210000	18000	5	26		U	0.033		U	0.033		U	0.033																		
PYRENE	129-00-0	18000	1700	550	0.062		U	0.033		U	0.033		U	0.033																		

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-8-20			SRI-9-4			SRI-9-8			SRI-9-12			SRI-9-16			SRI-9-20			SRI-10-4			SRI-10-8			SRI-10-12		
						5742621			5718651			5718652			5718653			5743879			5743880			5718646			5718647			5718648		
						08/05/09			07/07/09			07/07/09			07/07/09			08/06/09			08/06/09			07/07/09			07/07/09			07/07/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND				U		0.033	U		0.033	U		0.033	UJ		0.033	U		0.033									
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND				U		0.67	U		0.67	U		0.67	UJ		0.67	UJ		0.67									
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND				UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17									
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
2-NITROANILINE	88-74-4	83	39	NA	ND				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND				U		0.1	U		0.1	U		0.1	UJ		0.1	UJ		0.1									
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
ACENAPHTHENE	83-32-9	37000	3400	74	0.041				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
ACETOPHENONE	98-86-2	4	2	2	ND				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
ANTHRACENE	120-12-7	30000	17000	1500	ND				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
BENZALDEHYDE	100-52-7	68000	6100	NA	ND				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
BENZIDINE	92-87-5	0.7	0.7	0.7	ND				U		1.2	U		1.2	U		1.2	UJ		1.2	UJ		1.2									
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2				U		0.067	U		0.067	U		0.067	UJ		0.067	UJ		0.067									
Biphenyl	92-52-4	34000	3100	90	96				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30				U		0.067	U		0.067	U		0.067	UJ		0.067	UJ		0.067									
CAPROLACTAM	105-60-2	340000	31000	8	ND				U		0.033	U		0.033	U		0.033	UJ		0.033	U		0.033									
CARBAZOLE	86-74-8	96	24	NA	0.69				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
CHRYSENE	218-01-9	230	62	52	0.073				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
CRESOL,O	95-48-7	3400	310	NA	ND				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
CRESOL,P	106-44-5	340	31	NA	0.19				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14				U		0.067	U		0.067	U		0.067	UJ		0.067	UJ		0.067									
FLUORANTHENE	206-44-0	24000	2300	840	0.069				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
FLUORENE	86-73-7	24000	2300	110	1				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND				U		0.067	U		0.067	U		0.067	U		0.067	U		0.067									
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND				U		0.17	U		0.17	U		0.17	UJ		0.17	UJ		0.17									
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
ISOPHORONE	78-59-1	2000	510	0.2	ND				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
NAPHTHALENE	91-20-3	16	6	16	5.3				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
NITROBENZENE	98-95-3	340	31	0.2	ND				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND				U		0.067	U		0.067	U		0.067	UJ		0.067	UJ		0.067									
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND				U		0.17	U		0.17	U		0.17	U		0.17	U		0.17									
PHENANTHRENE	85-01-8	300000	NA	NA	0.85				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									
PHENOL	108-95-2	210000	18000	5	26				U		0.033	U		0.033	U		0.033	U		0.033	U		0.033									
PYRENE	129-00-0	18000	1700	550	0.062				U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033									

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-10-16			SRI-10-20			SRI-11-4			SRI-11-8			SRI-11-12			SRI-11-16			SRI-11-20			SRI-11-50			SRI-11-72		
						5718649			5718650			5726205			5726206			5726207			5726208			5726209			5726210			5726211		
						07/07/09			07/07/09			07/17/09			07/17/09			07/17/09			07/17/09			07/17/09			07/17/09			07/17/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			49' - 51'			71' - 73'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND								UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND								UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND								UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-NITROANILINE	88-74-4	83	39	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND								UJ	0.1		UJ	0.1		UJ	0.1		UJ	0.1		UJ	0.1		UJ	0.1		UJ	0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.041								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ACETOPHENONE	98-86-2	4	2	2	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ANTHRACENE	120-12-7	30000	17000	1500	ND								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND								UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2								UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067
Biphenyl	92-52-4	34000	3100	90	96								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30								UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CARBAZOLE	86-74-8	96	24	NA	0.69								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CHRYSENE	218-01-9	230	62	52	0.073								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CRESOL,O	95-48-7	3400	310	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
CRESOL,P	106-44-5	340	31	NA	0.19								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		UJ	0.067		U	0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24								UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14								UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067
FLUORANTHENE	206-44-0	24000	2300	840	0.069								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
FLUORENE	86-73-7	24000	2300	110	1								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND								UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
NAPHTHALENE	91-20-3	16	6	16	5.3								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
NITROBENZENE	98-95-3	340	31	0.2	ND								UJ	0.033		UJ	0.033		UJ	0.033		U	0.033		UJ	0.033		U	0.033		U	0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND								U	0.067		U	0.067		U	0.067		UJ	0.067		U	0.067		UJ	0.067		UJ	0.067
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND								U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17
PHENANTHRENE	85-01-8	300000	NA	NA	0.85								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
PHENOL	108-95-2	210000	18000	5	26								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PYRENE	129-00-0	18000	1700	550	0.062								UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-12-4			SRI-12-8			SRI-12-12			SRI-12-16			SRI-12-20			SRI-12-50			SRI-12-75			SRI-13-4			SRI-13-8		
						5754546			5754547			5754548			5754549			5754550			5754551			5754552			5758427			5754542		
						08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			49' - 51'			74' - 76'			3' - 5'			7' - 9'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND																							U	0.033		U	0.033
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11																							U	0.067		U	0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12																							U	0.033		U	0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND																							U	0.033		U	0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3																							U	0.067		U	0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND																							U	0.67		U	0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND																							U	0.067		U	0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND																							U	0.033		U	0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053																							U	0.033		U	0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND																							U	0.17		U	0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13																							U	0.033		U	0.033
2-NITROANILINE	88-74-4	83	39	NA	ND																							U	0.033		U	0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND																							U	0.1		U	0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND																							U	0.067		U	0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.041																							U	0.033		U	0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND																							U	0.033		U	0.033
ACETOPHENONE	98-86-2	4	2	2	ND																							U	0.067		U	0.067
ANTHRACENE	120-12-7	30000	17000	1500	ND																							U	0.033		U	0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND																							U	0.067		U	0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND																							UJ	1.2		UJ	1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND																							U	0.033		U	0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND																							U	0.033		U	0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084																							U	0.033		U	0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND																							U	0.033		U	0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND																							U	0.033		U	0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2																							U	0.067		U	0.067
Biphenyl	92-52-4	34000	3100	90	96																						20		0.033	5.2		0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND																							U	0.033		U	0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND																							U	0.033		U	0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30																							U	0.067		U	0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND																							U	0.033		U	0.033
CARBAZOLE	86-74-8	96	24	NA	0.69																							U	0.033		U	0.033
CHRYSENE	218-01-9	230	62	52	0.073																							U	0.033		U	0.033
CRESOL,O	95-48-7	3400	310	NA	ND																							U	0.067		U	0.067
CRESOL,P	106-44-5	340	31	NA	0.19																							U	0.067		U	0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND																							U	0.033		U	0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND																							U	0.067		U	0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND																							U	0.067		U	0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24																							U	0.067		U	0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14																							U	0.067		U	0.067
FLUORANTHENE	206-44-0	24000	2300	840	0.069																							U	0.033		U	0.033
FLUORENE	86-73-7	24000	2300	110	1																							U	0.033		U	0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND																							U	0.033		U	0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND																							U	0.067		U	0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND																							UJ	0.17		UJ	0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND																							U	0.033		U	0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND																							U	0.033		U	0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND																							U	0.033		U	0.033
NAPHTHALENE	91-20-3	16	6	16	5.3																							U	0.033		U	0.033
NITROBENZENE	98-95-3	340	31	0.2	ND																							U	0.033		U	0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND																							U	0.067		U	0.067
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND																							U	0.033		U	0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND																							U	0.033		U	0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND																							U	0.17		U	0.17
PHENANTHRENE	85-01-8	300000	NA	NA	0.85																							U	0.033		U	0.033
PHENOL	108-95-2	210000	18000	5	26																							U	0.033		U	0.033
PYRENE	129-00-0	18000	1700	550	0.062																							U	0.033		U	0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-13-12			SRI-13-16			SRI-13-20			SRI-14-4			SRI-14-8			SRI-14-12			SRI-14-16			SRI-14-20			SRI-15-4		
						5758429			5758430			5758431			5754553			5754554			5754555			5754556			5754557			5736092		
						08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			07/28/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND		U	0.033		U	0.033		U	0.033																	U	0.033
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11		U	0.067		U	0.067		U	0.067																	U	0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12		U	0.033		U	0.033		U	0.033																	U	0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND		U	0.033		U	0.033		U	0.033																	U	0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3		U	0.067		U	0.067		U	0.067																	U	0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND		U	0.67		U	0.67		U	0.67																	U	0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND		U	0.067		U	0.067		U	0.067																	U	0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND		U	0.033		U	0.033		U	0.033																	U	0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053		U	0.033		U	0.033		U	0.033																	U	0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND		U	0.17		U	0.17		U	0.17																	U	0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13		U	0.033	0.056		0.033		U	0.033																	U	0.033
2-NITROANILINE	88-74-4	83	39	NA	ND		U	0.033		U	0.033		U	0.033																	U	0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND		U	0.1		U	0.1		U	0.1																	U	0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067																	U	0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.041		U	0.033		U	0.033		U	0.033																	U	0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND		U	0.033		U	0.033		U	0.033																	U	0.033
ACETOPHENONE	98-86-2	4	2	2	ND		U	0.067		U	0.067		U	0.067																	U	0.067
ANTHRACENE	120-12-7	30000	17000	1500	ND		U	0.033		U	0.033		U	0.033																	U	0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND		U	0.067		U	0.067		U	0.067																	U	0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND		UJ	1.2		UJ	1.2		UJ	1.2																	U	1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND		U	0.033		U	0.033		U	0.033																	U	0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND		U	0.033		U	0.033		U	0.033																	U	0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084		U	0.033		U	0.033		U	0.033																	U	0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND		U	0.033		U	0.033		U	0.033																	U	0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND		U	0.033		U	0.033		U	0.033																	U	0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2		U	0.067	0.15		0.067	0.094		0.067																	U	0.067
Biphenyl	92-52-4	34000	3100	90	96	3.4		0.033	2.7		0.033	0.22		0.033																2.1		0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND		U	0.033		U	0.033		U	0.033																	U	0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND		U	0.033		U	0.033		U	0.033																	U	0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30		U	0.067	0.27		0.067	0.17		0.067																	U	0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND		U	0.033		U	0.033		U	0.033																	U	0.033
CARBAZOLE	86-74-8	96	24	NA	0.69		U	0.033		U	0.033		U	0.033																	U	0.033
CHRYSENE	218-01-9	230	62	52	0.073		U	0.033		U	0.033		U	0.033																	U	0.033
CRESOL,O	95-48-7	3400	310	NA	ND		U	0.067		U	0.067		U	0.067																	U	0.067
CRESOL,P	106-44-5	340	31	NA	0.19		U	0.067		U	0.067		U	0.067																0.12		0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND		U	0.033		U	0.033		U	0.033																	U	0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND		U	0.067		U	0.067		U	0.067																	U	0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067																	U	0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24		U	0.067		U	0.067		U	0.067																	U	0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14		U	0.067		U	0.067		U	0.067																	U	0.067
FLUORANTHENE	206-44-0	24000	2300	840	0.069		U	0.033		U	0.033		U	0.033																	U	0.033
FLUORENE	86-73-7	24000	2300	110	1		U	0.033	0.11		0.033		U	0.033																	U	0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND		U	0.033		U	0.033		U	0.033																	U	0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND		U	0.067		U	0.067		U	0.067																	U	0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND		UJ	0.17		UJ	0.17		UJ	0.17																	U	0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND		U	0.033		U	0.033		U	0.033																	U	0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND		U	0.033		U	0.033		U	0.033																	U	0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND		U	0.033		U	0.033		U	0.033																	U	0.033
NAPHTHALENE	91-20-3	16	6	16	5.3		U	0.033		U	0.033		U	0.033																	U	0.033
NITROBENZENE	98-95-3	340	31	0.2	ND		U	0.033		U	0.033		U	0.033																	U	0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND		U	0.067		U	0.067		U	0.067																	U	0.067
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND		U	0.033		U	0.033		U	0.033																	U	0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND		U	0.033		U	0.033		U	0.033																	U	0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND		U	0.17		U	0.17		U	0.17																	U	0.17
PHENANTHRENE	85-01-8	300000	NA	NA	0.85		U	0.033	0.16		0.033		U	0.033																	U	0.033
PHENOL	108-95-2	210000	18000	5	26		U	0.033		U	0.033		U	0.033																0.32		0.033
PYRENE	129-00-0	18000	1700	550	0.062		U	0.033		U	0.033		U	0.033																	U	0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-15-8			SRI-15-12			SRI-15-16			SRI-15-20			SRI-16-4			SRI-16-8			SRI-16-12			SRI-16-15			SRI-16-20		
						5736093			5736094			5736095			5736096			5743860			5743861			5743862			5743863			5743864		
						07/28/09			07/28/09			07/28/09			07/28/09			08/06/09			08/06/09			08/06/09			08/06/09			08/06/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			14' - 16'			19' - 21'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND		U	0.033		U	0.033		U	0.033		U	0.033															
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11		U	0.067		U	0.067		U	0.067		U	0.067															
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12		U	0.033		U	0.033		U	0.033		U	0.033															
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033															
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3		U	0.067		U	0.067		U	0.067		U	0.067															
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND		U	0.67		U	0.67		U	0.67		U	0.67															
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067															
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033															
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053		U	0.033		U	0.033		U	0.033		U	0.033															
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND		U	0.17		U	0.17		U	0.17		U	0.17															
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13		U	0.033		U	0.033		U	0.033		U	0.033															
2-NITROANILINE	88-74-4	83	39	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033															
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND		U	0.1		U	0.1		U	0.1		U	0.1															
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067															
ACENAPHTHENE	83-32-9	37000	3400	74	0.041		U	0.033		U	0.033		U	0.033		U	0.033															
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033															
ACETOPHENONE	98-86-2	4	2	2	ND		U	0.067		U	0.067		U	0.067		U	0.067															
ANTHRACENE	120-12-7	30000	17000	1500	ND		U	0.033		U	0.033		U	0.033		U	0.033															
BENZALDEHYDE	100-52-7	68000	6100	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067															
BENZIDINE	92-87-5	0.7	0.7	0.7	ND		U	1.2		U	1.2		U	1.2		U	1.2															
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND		U	0.033		U	0.033		U	0.033		U	0.033															
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033															
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084		U	0.033		U	0.033		U	0.033		U	0.033															
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033															
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND		U	0.033		U	0.033		U	0.033		U	0.033															
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2		U	0.067		U	0.067		U	0.067		U	0.067															
Biphenyl	92-52-4	34000	3100	90	96	0.47		0.033	0.32		0.033	0.06		0.033	0.12		0.033															
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033															
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033															
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30		U	0.067		U	0.067		U	0.067	0.11		0.067															
CAPROLACTAM	105-60-2	340000	31000	8	ND		U	0.033		U	0.033		U	0.033		U	0.033															
CARBAZOLE	86-74-8	96	24	NA	0.69		U	0.033		U	0.033		U	0.033		U	0.033															
CHRYSENE	218-01-9	230	62	52	0.073		U	0.033		U	0.033		U	0.033		U	0.033															
CRESOL,O	95-48-7	3400	310	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067															
CRESOL,P	106-44-5	340	31	NA	0.19		U	0.067		U	0.067		U	0.067		U	0.067															
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND		U	0.033		U	0.033		U	0.033		U	0.033															
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND		U	0.067		U	0.067		U	0.067		U	0.067															
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067															
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24		U	0.067		U	0.067		U	0.067	0.14		0.067															
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14		U	0.067		U	0.067		U	0.067		U	0.067															
FLUORANTHENE	206-44-0	24000	2300	840	0.069		U	0.033		U	0.033		U	0.033		U	0.033															
FLUORENE	86-73-7	24000	2300	110	1		U	0.033		U	0.033		U	0.033		U	0.033															
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033															
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND		U	0.067		U	0.067		U	0.067		U	0.067															
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND		U	0.17		U	0.17		U	0.17		U	0.17															
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033															
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND		U	0.033		U	0.033		U	0.033		U	0.033															
ISOPHORONE	78-59-1	2000	510	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033															
NAPHTHALENE	91-20-3	16	6	16	5.3		U	0.033		U	0.033		U	0.033		U	0.033															
NITROBENZENE	98-95-3	340	31	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033															
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND		U	0.067		U	0.067		U	0.067		U	0.067															
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033															
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033															
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND		U	0.17		U	0.17		U	0.17		U	0.17															
PHENANTHRENE	85-01-8	300000	NA	NA	0.85		U	0.033		U	0.033		U	0.033		U	0.033															
PHENOL	108-95-2	210000	18000	5	26	0.1		0.033		U	0.033		U	0.033		U	0.033															
PYRENE	129-00-0	18000	1700	550	0.062		U	0.033		U	0.033		U	0.033		U	0.033															

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-17-4			SRI-17-8			SRI-17-12			SRI-17-16			SRI-17-20			SRI-17-25			SRI-17-34			SRI-17-41			SRI-17-75		
						5725439			5725440			5725441			5725442			5725443			5725444			5725446			5725445			5725447		
						07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			24' - 26'			33' - 35'			40' - 42'			74' - 76'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067	0.11		0.067					U	0.067			
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033	0.12		0.033					U	0.033			
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067					U	0.067			
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67					UJ	0.67			
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND		U	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067					UJ	0.067			
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053		U	0.033		U	0.033	0.053		0.033		U	0.033		U	0.033		U	0.033					U	0.033			
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17					UJ	0.17			
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033	0.053		0.033					U	0.033			
2-NITROANILINE	88-74-4	83	39	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND		UJ	0.1		UJ	0.1		UJ	0.1		UJ	0.1		UJ	0.1		UJ	0.1					UJ	0.1			
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067					U	0.067			
ACENAPHTHENE	83-32-9	37000	3400	74	0.041		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
ACETOPHENONE	98-86-2	4	2	2	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067					U	0.067			
ANTHRACENE	120-12-7	30000	17000	1500	ND		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
BENZALDEHYDE	100-52-7	68000	6100	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067					U	0.067			
BENZIDINE	92-87-5	0.7	0.7	0.7	ND		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2					UJ	1.2			
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067					UJ	0.067			
Biphenyl	92-52-4	34000	3100	90	96		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033	1.2		0.033					U	0.033			
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND		UJ	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30		UJ	0.067		UJ	0.067		UJ	0.067	0.17	J	0.067		UJ	0.067	0.87	J	0.067					UJ	0.067			
CAPROLACTAM	105-60-2	340000	31000	8	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
CARBAZOLE	86-74-8	96	24	NA	0.69		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
CHRYSENE	218-01-9	230	62	52	0.073		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
CRESOL,O	95-48-7	3400	310	NA	ND		UJ	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067					U	0.067			
CRESOL,P	106-44-5	340	31	NA	0.19		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067					U	0.067			
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067					U	0.067			
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067					U	0.067			
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067		UJ	0.067	0.96	J	0.067					UJ	0.067			
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14		UJ	0.067		UJ	0.067		UJ	0.067	0.14	J	0.067		UJ	0.067		UJ	0.067					UJ	0.067			
FLUORANTHENE	206-44-0	24000	2300	840	0.069		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
FLUORENE	86-73-7	24000	2300	110	1		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067					U	0.067			
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND		U	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17					UJ	0.17			
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
ISOPHORONE	78-59-1	2000	510	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
NAPHTHALENE	91-20-3	16	6	16	5.3		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033	0.11		0.033					U	0.033			
NITROBENZENE	98-95-3	340	31	0.2	ND		U	0.033		U	0.033		U	0.033		UJ	0.033		UJ	0.033		U	0.033					UJ	0.033			
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND		U	0.067		UJ	0.067		UJ	0.067		U	0.067		U	0.067		UJ	0.067					U	0.067			
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND		UJ	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17					U	0.17			
PHENANTHRENE	85-01-8	300000	NA	NA	0.85		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			
PHENOL	108-95-2	210000	18000	5	26		U	0.033	0.39		0.033		U	0.033		U	0.033		U	0.033		U	0.033					U	0.033			
PYRENE	129-00-0	18000	1700	550	0.062		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033					UJ	0.033			

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-18-4			SRI-18-8			SRI-18-12			SRI-18-16			SRI-18-20			SRI-18-41			SRI-18-50			SRI-18-60			SRI-18-66		
						5724097			5724098			5724099			5724100			5724101			5724102			5724103			5724396			5724397		
						07/14/09			07/14/09			07/14/09			07/14/09			07/14/09			07/14/09			07/14/09			07/15/09			07/15/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			40' - 42'			49' - 51'			59' - 61'			65' - 67'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND																											
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11																											
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12																											
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND																											
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3																											
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND																											
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND																											
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND																											
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053																											
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND																											
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13																											
2-NITROANILINE	88-74-4	83	39	NA	ND																											
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND																											
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND																											
ACENAPHTHENE	83-32-9	37000	3400	74	0.041																											
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND																											
ACETOPHENONE	98-86-2	4	2	2	ND																											
ANTHRACENE	120-12-7	30000	17000	1500	ND																											
BENZALDEHYDE	100-52-7	68000	6100	NA	ND																											
BENZIDINE	92-87-5	0.7	0.7	0.7	ND																											
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND																											
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND																											
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084																											
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND																											
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND																											
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2																											
Biphenyl	92-52-4	34000	3100	90	96																											
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND																											
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND																											
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30																											
CAPROLACTAM	105-60-2	340000	31000	8	ND																											
CARBAZOLE	86-74-8	96	24	NA	0.69																											
CHRYSENE	218-01-9	230	62	52	0.073																											
CRESOL,O	95-48-7	3400	310	NA	ND																											
CRESOL,P	106-44-5	340	31	NA	0.19																											
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND																											
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND																											
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND																											
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24																											
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14																											
FLUORANTHENE	206-44-0	24000	2300	840	0.069																											
FLUORENE	86-73-7	24000	2300	110	1																											
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND																											
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND																											
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND																											
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND																											
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND																											
ISOPHORONE	78-59-1	2000	510	0.2	ND																											
NAPHTHALENE	91-20-3	16	6	16	5.3																											
NITROBENZENE	98-95-3	340	31	0.2	ND																											
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND																											
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND																											
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND																											
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND																											
PHENANTHRENE	85-01-8	300000	NA	NA	0.85																											
PHENOL	108-95-2	210000	18000	5	26																											
PYRENE	129-00-0	18000	1700	550	0.062																											

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-18-89			SRI-18-95			SRI-19-4			SRI-19-8			SRI-19-12			SRI-19-16			SRI-19-20			SRI-20-4			SRI-20-8		
						5724398			5724399			5736097			5736098			5736099			5736100			5736101			5736104			5736105		
						07/15/09			07/15/09			07/28/09			07/28/09			07/28/09			07/28/09			07/28/09			07/28/09			07/28/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		88' - 90'			94' - 96'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067	3		0.067		U	0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND								U	0.67		U	0.67		U	0.67		U	0.67		U	0.67		U	0.67		U	0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND								U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033	13		0.033	2.2		0.033
2-NITROANILINE	88-74-4	83	39	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND								U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.041								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ACETOPHENONE	98-86-2	4	2	2	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ANTHRACENE	120-12-7	30000	17000	1500	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND								U	1.2		U	1.2		U	1.2		U	1.2		U	1.2		U	1.2		U	1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067	1.2		0.067
Biphenyl	92-52-4	34000	3100	90	96							0.21		0.033	0.56		0.033	0.27		0.033		U	0.033	0.085		0.033	96		0.033	6		0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30							1.1		0.067	0.57		0.067	0.11		0.067	0.42		0.067		U	0.067	30		0.067	1.2		0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CARBAZOLE	86-74-8	96	24	NA	0.69								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033	0.69		0.033		U	0.033
CHRYSENE	218-01-9	230	62	52	0.073								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CRESOL,O	95-48-7	3400	310	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
CRESOL,P	106-44-5	340	31	NA	0.19								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067	0.19		0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24							0.27		0.067	1.6		0.067	0.22		0.067	0.19		0.067	0.13		0.067	24		0.067	1		0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
FLUORANTHENE	206-44-0	24000	2300	840	0.069								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
FLUORENE	86-73-7	24000	2300	110	1								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033	1		0.033	0.14		0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND								U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
NAPHTHALENE	91-20-3	16	6	16	5.3								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033	5.3		0.033	0.84		0.033
NITROBENZENE	98-95-3	340	31	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND								U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND								U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17
PHENANTHRENE	85-01-8	300000	NA	NA	0.85								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033	0.85		0.033	0.16		0.033
PHENOL	108-95-2	210000	18000	5	26								U	0.033	0.25		0.033	0.041		0.033		U	0.033	0.041		0.033	26		0.033	0.87		0.033
PYRENE	129-00-0	18000	1700	550	0.062								U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-20-12			SRI-20-16			SRI-20-20			SRI-21-12			SRI-21-15			SRI-21-20		
						5736106			5743876			5743877			5743871			5743872			5743873		
						07/28/09			08/06/09			08/06/09			08/06/09			08/06/09			08/06/09		
						11' - 13'			15' - 17'			19' - 21'			11' - 13'			14' - 16'			19' - 21'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																							
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND		U	0.033		UJ	0.033		UJ	0.033									
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	0.11		U	0.067		U	0.067		U	0.067									
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	0.12		U	0.033		U	0.033		U	0.033									
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND		U	0.033		U	0.033		U	0.033									
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	3		U	0.067		U	0.067		U	0.067									
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND		U	0.67		UJ	0.67		UJ	0.67									
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND		U	0.067		U	0.067		U	0.067									
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND		U	0.033		U	0.033		U	0.033									
2-CHLOROPHENOL	95-57-8	2000	310	0.5	0.053		U	0.033		U	0.033		U	0.033									
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND		U	0.17		UJ	0.17		UJ	0.17									
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	13	0.83		0.033		U	0.033		U	0.033									
2-NITROANILINE	88-74-4	83	39	NA	ND		U	0.033		U	0.033		U	0.033									
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND		U	0.1		UJ	0.1		UJ	0.1									
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067									
ACENAPHTHENE	83-32-9	37000	3400	74	0.041		U	0.033		U	0.033		U	0.033									
ACENAPHTHYLENE	208-96-8	300000	NA	NA	ND		U	0.033		U	0.033		U	0.033									
ACETOPHENONE	98-86-2	4	2	2	ND		U	0.067		U	0.067		U	0.067									
ANTHRACENE	120-12-7	30000	17000	1500	ND		U	0.033		UJ	0.033		UJ	0.033									
BENZALDEHYDE	100-52-7	68000	6100	NA	ND		U	0.067		U	0.067		U	0.067									
BENZIDINE	92-87-5	0.7	0.7	0.7	ND		U	1.2		UJ	1.2		UJ	1.2									
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	ND		U	0.033		UJ	0.033		UJ	0.033									
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	ND		U	0.033		UJ	0.033		UJ	0.033									
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	0.084		U	0.033		UJ	0.033		UJ	0.033									
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	ND		U	0.033		UJ	0.033		UJ	0.033									
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	ND		U	0.033		UJ	0.033		UJ	0.033									
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	1.2	0.23		0.067		UJ	0.067		UJ	0.067									
Biphenyl	92-52-4	34000	3100	90	96	5.5		0.033		U	0.033		U	0.033									
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND		U	0.033		U	0.033		U	0.033									
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND		U	0.033		U	0.033		U	0.033									
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	30	0.5		0.067		UJ	0.067		UJ	0.067									
CAPROLACTAM	105-60-2	340000	31000	8	ND		U	0.033		UJ	0.033		UJ	0.033									
CARBAZOLE	86-74-8	96	24	NA	0.69		U	0.033		UJ	0.033		UJ	0.033									
CHRYSENE	218-01-9	230	62	52	0.073		U	0.033		UJ	0.033		UJ	0.033									
CRESOL,O	95-48-7	3400	310	NA	ND		U	0.067		U	0.067		U	0.067									
CRESOL,P	106-44-5	340	31	NA	0.19	0.086		0.067		U	0.067		U	0.067									
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	ND		U	0.033		UJ	0.033		UJ	0.033									
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND		U	0.067		U	0.067		U	0.067									
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067									
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	24	0.62		0.067		U	0.067		U	0.067									
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	0.14		U	0.067		UJ	0.067		UJ	0.067									
FLUORANTHENE	206-44-0	24000	2300	840	0.069		U	0.033		UJ	0.033		UJ	0.033									
FLUORENE	86-73-7	24000	2300	110	1	0.055		0.033		U	0.033		U	0.033									
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND		U	0.033		UJ	0.033		UJ	0.033									
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND		U	0.067		U	0.067		U	0.067									
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND		U	0.17		UJ	0.17		UJ	0.17									
HEXACHLOROETHANE	67-72-1	140	35	0.2	ND		U	0.033		U	0.033		U	0.033									
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	ND		U	0.033		UJ	0.033		UJ	0.033									
ISOPHORONE	78-59-1	2000	510	0.2	ND		U	0.033		U	0.033		U	0.033									
NAPHTHALENE	91-20-3	16	6	16	5.3	0.36		0.033		U	0.033		U	0.033									
NITROBENZENE	98-95-3	340	31	0.2	ND		U	0.033		U	0.033		U	0.033									
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND		U	0.067		UJ	0.067		UJ	0.067									
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND		U	0.033		U	0.033		U	0.033									
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND		U	0.033		U	0.033		U	0.033									
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND		U	0.17		U	0.17		U	0.17									
PHENANTHRENE	85-01-8	300000	NA	NA	0.85	0.048		0.033		UJ	0.033		UJ	0.033									
PHENOL	108-95-2	210000	18000	5	26		U	0.033		U	0.033		U	0.033									
PYRENE	129-00-0	18000	1700	550	0.062		U	0.033		UJ	0.033		UJ	0.033									

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	CPS-SRI-21-4			CPS-SRI-21-8			SRI-1-4			SRI-1-8			SRI-1-12			SRI-1-16			SRI-1-20			SRI-1-50			SRI-1-75		
						5736090			5736091			5755886			5758433			5758434			5755889			5755890			5758437			5758438		
						07/27/09			07/27/09			08/20/09			08/20/09			08/20/09			08/20/09			08/20/09			08/20/09			08/20/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3' - 5'			7' - 9'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			49' - 51'			74' - 76'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18							0.329	J	0.14	3.18		0.14	0.273	J	0.14	0.281	J	0.14		U	0.14		U	0.14		U	0.14
COPPER	7440-50-8	45000	3100	7300	1310							85	J	0.2	1310	J	0.2	181	J	0.2	265	J	0.2	1.09	J	0.2	0.353	J	0.2	38.7	J	0.2
LEAD	7439-92-1	800	400	59	30.5							18.5		0.591	12		0.591	4.01		0.591	9.07		0.591	2.11		0.591		U	0.591	2.46		0.591
ZINC	7440-66-6	110000	23000	600	640							44.1	J	0.655	281	J	0.655	31.2	J	0.655	73.5	J	0.655		UJ	0.655		UJ	0.655	9.86	J	0.655
ALUMINUM	7429-90-5	NA	78000	3900	11800							3110		5.03	6520		5.03	1040		5.03	2680		5.03	650		5.03	172		5.03	1620		5.03
ANTIMONY	7440-36-0	450	31	6	4.03							1.38	J	0.994		UJ	0.994		UJ	0.994		UJ	0.994		UJ	0.994		UJ	0.994		UJ	0.994
ARSENIC	7440-38-2	19	19	19	32.8							2.79		0.943		U	0.943		U	0.943	3.12		0.943		U	0.943		U	0.943		U	0.943
BARIUM	7440-39-3	59000	16000	1300	58							8.31	J	0.04	3.94	J	0.04	2.56	J	0.04	14	J	0.04	4.07	J	0.04	1.1	J	0.04	8.12	J	0.04
BERYLLIUM	7440-41-7	140	16	0.5	3.27							0.222	J	0.068	3.27		0.068	0.375	J	0.068	0.325	J	0.068		U	0.068		U	0.068	0.323	J	0.068
CALCIUM	7440-70-2	NA	NA	NA	2260							299	J	6.13	141	J	6.13	47.8	J	6.13	46.8	J	6.13	78.7	J	6.13		U	6.13		U	6.13
CHROMIUM	7440-47-3	NA	NA	NA	144							13.7	J	0.583	78.7	J	0.583	9.95	J	0.583	11.2	J	0.583	6.13	J	0.583		UJ	0.583	15.4	J	0.583
COBALT	7440-48-4	590	1600	59	6.54							0.574		0.19	1.47	J	0.19		U	0.19	5.88		0.19		U	0.19		U	0.19	0.227	J	0.19
IRON	7439-89-6	NA	NA	NA	142000							13100		4.71	142000		4.71	12800		4.71	2300		4.71	273		4.71	46.2		4.71	6940		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	2030							360		2.54	187		2.54	19.5		2.54	57		2.54	21.9		2.54		U	2.54	10.1	J	2.54
MANGANESE	7439-96-5	5900	11000	42	91.3							24.9	J	0.056	17.1	J	0.056	2.55	J	0.056	15.8	J	0.056	4.86	J	0.056	0.591	J	0.056	22.5	J	0.056
MERCURY	7439-97-6	65	23	0.1	0.0282								U	0.012		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012
NICKEL	7440-02-0	23000	1600	31	12.9							2.53	J	0.18	11.5	J	0.18	1.52	J	0.18	8.71	J	0.18	0.29	J	0.18		U	0.18	1.06	J	0.18
POTASSIUM	2023695	NA	NA	NA	1680							310		13.1	391		13.1	74.9		13.1	414		13.1	135		13.1	28.1	J	13.1	46.7	J	13.1
SELENIUM	7782-49-2	5700	390	7	3.93								U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	ND								U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18
SODIUM	7440-23-5	NA	NA	NA	317							62.5	J	37.3		U	37.3		U	37.3	87.9	J	37.3		U	37.3		U	37.3		U	37.3
THALLIUM	7440-28-0	79	5	3	ND								U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45
VANADIUM	7440-62-2	1100	78	NA	304							23.2	J	0.17	175	J	0.17	16.6	J	0.17	27.3	J	0.17	5.3	J	0.17	0.269	J	0.17	54.7	J	0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-2-4			SRI-2-8			SRI-2-12			SRI-2-16			SRI-2-20			SRI-3-4			SRI-3-8			SRI-3-12			SRI-3-16		
						5743855			5743856			5743857			5743858			5743859			5743496			5743497			5742634			5742635		
						08/06/09			08/06/09			08/06/09			08/06/09			08/06/09			08/05/09			08/05/09			08/05/09			08/05/09		
						3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18																	U	0.14		U	0.14		U	0.14		U	0.14
COPPER	7440-50-8	45000	3100	7300	1310																7.44		0.2	0.461	J	0.2		U	0.2	1.25		0.2
LEAD	7439-92-1	800	400	59	30.5																11		0.591	1.91		0.591	1.4	J	0.591	2.29		0.591
ZINC	7440-66-6	110000	23000	600	640																108	R	0.655	5.09	R	0.655		R	0.655	3.25	R	0.655
ALUMINUM	7429-90-5	NA	78000	3900	11800																1310		5.03	504		5.03	523		5.03	1020		5.03
ANTIMONY	7440-36-0	450	31	6	4.03																	U	0.994		U	0.994		U	0.994		U	0.994
ARSENIC	7440-38-2	19	19	19	32.8																1.41	R	0.943		U	0.943		U	0.943	1.21	R	0.943
BARIUM	7440-39-3	59000	16000	1300	58																8.02	J	0.04	3.05	J	0.04	3.97	J	0.04	7.93	J	0.04
BERYLLIUM	7440-41-7	140	16	0.5	3.27																	U	0.068		U	0.068		U	0.068	0.104	J	0.068
CALCIUM	7440-70-2	NA	NA	NA	2260																329	J	6.13	128		6.13		U	6.13	191		6.13
CHROMIUM	7440-47-3	NA	NA	NA	144																9.32	R	0.583	2.18	R	0.583	1.43	R	0.583	17	R	0.583
COBALT	7440-48-4	590	1600	59	6.54																0.645		0.19		U	0.19		U	0.19		U	0.19
IRON	7439-89-6	NA	NA	NA	142000																3020		4.71	234		4.71	119		4.71	461		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	2030																78.5	R	2.54	11.9	R	2.54	33	R	2.54	53.8	R	2.54
MANGANESE	7439-96-5	5900	11000	42	91.3																12.7	J	0.056	1.56	J	0.056	2.81	J	0.056	5.04	J	0.056
MERCURY	7439-97-6	65	23	0.1	0.0282																	U	0.012		U	0.012		U	0.012		U	0.012
NICKEL	7440-02-0	23000	1600	31	12.9																1.83		0.18		U	0.18		U	0.18	0.364	J	0.18
POTASSIUM	2023695	NA	NA	NA	1680																170	J	13.1	73.4	J	13.1	149	J	13.1	249	J	13.1
SELENIUM	7782-49-2	5700	390	7	3.93																	U	0.979		U	0.979		U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	ND																	U	0.18		U	0.18		U	0.18		U	0.18
SODIUM	7440-23-5	NA	NA	NA	317																	U	37.3		U	37.3		U	37.3		U	37.3
THALLIUM	7440-28-0	79	5	3	ND																	U	1.45		U	1.45		U	1.45		U	1.45
VANADIUM	7440-62-2	1100	78	NA	304																8.63	R	0.17	2.67	R	0.17	2.02	R	0.17	18.5	R	0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-3-20			SRI-4-4			SRI-4-8			SRI-4-12			SRI-4-16			SRI-4-20			SRI-5-4			SRI-5-8			SRI-5-12		
						5743500			5743865			5743866			5743867			5743868			5743869			5742627			5742628			5743493		
						08/05/09			08/06/09			08/06/09			08/06/09			08/06/09			08/06/09			08/05/09			08/05/09			08/05/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18		U	0.14																	U	0.14	0.191	J	0.14		U	0.14
COPPER	7440-50-8	45000	3100	7300	1310	0.269	J	0.2																2.98	J	0.2	6.4		0.2		U	0.2
LEAD	7439-92-1	800	400	59	30.5	1.24	J	0.591																4.04	J	0.591	8.62		0.591	1.19	J	0.591
ZINC	7440-66-6	110000	23000	600	640	0.845	R	0.655																42.3	R	0.655	41.6	R	0.655	4.76	R	0.655
ALUMINUM	7429-90-5	NA	78000	3900	11800	249		5.03																3620	R	5.03	3950		5.03	337		5.03
ANTIMONY	7440-36-0	450	31	6	4.03		U	0.994																	U	0.994		U	0.994		U	0.994
ARSENIC	7440-38-2	19	19	19	32.8		U	0.943																	U	0.943	4.17	R	0.943		U	0.943
BARIUM	7440-39-3	59000	16000	1300	58	2.46	J	0.04																4.4	J	0.04	27.5	J	0.04	2.7	J	0.04
BERYLLIUM	7440-41-7	140	16	0.5	3.27		U	0.068																0.328	J	0.068	0.313	J	0.068		U	0.068
CALCIUM	7440-70-2	NA	NA	NA	2260		U	6.13																	U	6.13		U	6.13		U	6.13
CHROMIUM	7440-47-3	NA	NA	NA	144	1.57	R	0.583																26	R	0.583	10.9	R	0.583	1.18	R	0.583
COBALT	7440-48-4	590	1600	59	6.54		U	0.19																0.431	J	0.19	6.54		0.19	0.231	J	0.19
IRON	7439-89-6	NA	NA	NA	142000	120		4.71																21100	R	4.71	1940		4.71	141		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	2030	9.38	R	2.54																74.5	R	2.54	239	R	2.54	9.34	R	2.54
MANGANESE	7439-96-5	5900	11000	42	91.3	2.14	J	0.056																9.94	J	0.056	14.5	J	0.056	1.77	J	0.056
MERCURY	7439-97-6	65	23	0.1	0.0282		U	0.012																	U	0.012		U	0.012		U	0.012
NICKEL	7440-02-0	23000	1600	31	12.9		U	0.18																	U	0.18	6.59		0.18	0.669	J	0.18
POTASSIUM	2023695	NA	NA	NA	1680	38.3	J	13.1																198	J	13.1	800	J	13.1	42.7	J	13.1
SELENIUM	7782-49-2	5700	390	7	3.93		U	0.979																	U	0.979		U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	ND		U	0.18																	U	0.18		U	0.18		U	0.18
SODIUM	7440-23-5	NA	NA	NA	317		U	37.3																	U	37.3	194		37.3		U	37.3
THALLIUM	7440-28-0	79	5	3	ND		U	1.45																	U	1.45		U	1.45		U	1.45
VANADIUM	7440-62-2	1100	78	NA	304	1.69	R	0.17																52.2	R	0.17	24.9	R	0.17	2.14	R	0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-5-16			SRI-5-20			SRI-6-4			SRI-6-8			SRI-6-12			SRI-6-16			SRI-6-20			SRI-7-4			SRI-7-8		
						5743494			5743495			5742622			5742623			5742624			5742625			5742626			5718038			5718039		
						08/05/09			08/05/09			08/05/09			08/05/09			08/05/09			08/05/09			08/05/09			07/06/09			07/06/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18		U	0.14		U	0.14																0.178	J	0.14	0.185	J	0.14
COPPER	7440-50-8	45000	3100	7300	1310	0.583	J	0.2	9.38		0.2																	U	0.2		U	0.2
LEAD	7439-92-1	800	400	59	30.5	2.55		0.591	8.29		0.591																8.84		0.591	9.04		0.591
ZINC	7440-66-6	110000	23000	600	640		R	0.655	2.99	R	0.655																31		0.655	41.7		0.655
ALUMINUM	7429-90-5	NA	78000	3900	11800	765		5.03	3870		5.03																6690		5.03	5610		5.03
ANTIMONY	7440-36-0	450	31	6	4.03		U	0.994		U	0.994																	U	0.994		U	0.994
ARSENIC	7440-38-2	19	19	19	32.8		U	0.943	3.28	R	0.943																6.93		0.943	13.5		0.943
BARIUM	7440-39-3	59000	16000	1300	58	4.81	J	0.04	15.7	J	0.04																23.1		0.04	12.7		0.04
BERYLLIUM	7440-41-7	140	16	0.5	3.27		U	0.068	0.104	J	0.068																0.707		0.068	0.734		0.068
CALCIUM	7440-70-2	NA	NA	NA	2260		U	6.13		U	6.13																	U	6.13	905		6.13
CHROMIUM	7440-47-3	NA	NA	NA	144	5.93	R	0.583	12.5	R	0.583																49.2		0.583	28		0.583
COBALT	7440-48-4	590	1600	59	6.54		U	0.19	3.56		0.19																1.24		0.19	1.27		0.19
IRON	7439-89-6	NA	NA	NA	142000	164		4.71	356		4.71																23900		4.71	35900		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	2030	19.7	R	2.54	59.1	R	2.54																217	J	2.54	313	J	2.54
MANGANESE	7439-96-5	5900	11000	42	91.3	5.59	J	0.056	7.03	J	0.056																34.5		0.056	34.5		0.056
MERCURY	7439-97-6	65	23	0.1	0.0282		U	0.012		U	0.012																	U	0.012		U	0.012
NICKEL	7440-02-0	23000	1600	31	12.9	0.342	J	0.18	5.91		0.18																5.13		0.18	4.43		0.18
POTASSIUM	2023695	NA	NA	NA	1680	137	J	13.1	538	J	13.1																569		13.1	462		13.1
SELENIUM	7782-49-2	5700	390	7	3.93		U	0.979		U	0.979																	U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	ND		U	0.18		U	0.18																	U	0.18		U	0.18
SODIUM	7440-23-5	NA	NA	NA	317		U	37.3		U	37.3																93.9	J	37.3	64.5	J	37.3
THALLIUM	7440-28-0	79	5	3	ND		U	1.45		U	1.45																	U	1.45		U	1.45
VANADIUM	7440-62-2	1100	78	NA	304	7.4	R	0.17	16.6	R	0.17																73	J	0.17	69	J	0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-7-12			SRI-7-16			SRI-7-25			SRI-7-50			SRI-7-75			SRI-8-4			SRI-8-8			SRI-8-12			SRI-8-16		
						5718040			5718041			5718042			5755895			5755896			5742617			5742618			5742619			5742620		
						07/06/09			07/06/09			07/06/09			08/20/09			08/20/09			08/05/09			08/05/09			08/05/09			08/05/09		
						11' - 13'			15' - 17'			24' - 26'			49' - 51'			74' - 76'			3' - 5'			7' - 9'			11' - 13'			15' - 17'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18		U	0.14		U	0.14		U	0.14																		
COPPER	7440-50-8	45000	3100	7300	1310		U	0.2		U	0.2		U	0.2																		
LEAD	7439-92-1	800	400	59	30.5	5.06		0.591	17		0.591	2.44		0.591																		
ZINC	7440-66-6	110000	23000	600	640	37.5		0.655	26.3		0.655		U	0.655																		
ALUMINUM	7429-90-5	NA	78000	3900	11800	3220		5.03	11800		5.03	1570		5.03																		
ANTIMONY	7440-36-0	450	31	6	4.03		U	0.994		U	0.994		U	0.994																		
ARSENIC	7440-38-2	19	19	19	32.8	4.43		0.943	5.58		0.943		U	0.943																		
BARIUM	7440-39-3	59000	16000	1300	58	5.72		0.04	58		0.04	5.58		0.04																		
BERYLLIUM	7440-41-7	140	16	0.5	3.27	0.393	J	0.068	0.569	J	0.068		U	0.068																		
CALCIUM	7440-70-2	NA	NA	NA	2260		U	6.13		U	6.13		U	6.13																		
CHROMIUM	7440-47-3	NA	NA	NA	144	40.7		0.583	19.9		0.583	13.9		0.583																		
COBALT	7440-48-4	590	1600	59	6.54	0.651		0.19	4.81		0.19		U	0.19																		
IRON	7439-89-6	NA	NA	NA	142000	45200		4.71	3690		4.71	2180		4.71																		
MAGNESIUM	7439-95-4	NA	NA	NA	2030	133	J	2.54	450	J	2.54	52.4	J	2.54																		
MANGANESE	7439-96-5	5900	11000	42	91.3	18.6		0.056	18.8		0.056	6.61		0.056																		
MERCURY	7439-97-6	65	23	0.1	0.0282		U	0.012		U	0.012		U	0.012																		
NICKEL	7440-02-0	23000	1600	31	12.9	3.4		0.18	6.91		0.18	0.984	J	0.18																		
POTASSIUM	2023695	NA	NA	NA	1680	459		13.1	1680		13.1	142		13.1																		
SELENIUM	7782-49-2	5700	390	7	3.93		U	0.979		U	0.979		U	0.979																		
SILVER	7440-22-4	5700	390	1	ND		U	0.18		U	0.18		U	0.18																		
SODIUM	7440-23-5	NA	NA	NA	317		U	37.3	83.2	J	37.3		U	37.3																		
THALLIUM	7440-28-0	79	5	3	ND		U	1.45		U	1.45		U	1.45																		
VANADIUM	7440-62-2	1100	78	NA	304	32.2	J	0.17	31.4	J	0.17	4.75	J	0.17																		

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-8-20			SRI-9-4			SRI-9-8			SRI-9-12			SRI-9-16			SRI-9-20			SRI-10-4			SRI-10-8			SRI-10-12		
						5742621			5718651			5718652			5718653			5743879			5743880			5718646			5718647			5718648		
						08/05/09			07/07/09			07/07/09			07/07/09			08/06/09			08/06/09			07/07/09			07/07/09			07/07/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18					U	0.14		U	0.14		U	0.14		U	0.14		U	0.14									
COPPER	7440-50-8	45000	3100	7300	1310				13		0.2	5.15		0.2	3.63		0.2		U	0.2	0.431	J	0.2									
LEAD	7439-92-1	800	400	59	30.5				8.5		0.591	4.42		0.591	3.57		0.591	1.24	J	0.591	1.53	J	0.591									
ZINC	7440-66-6	110000	23000	600	640				41.3		0.655	22.2		0.655	24.2		0.655		R	0.655	0.984	R	0.655									
ALUMINUM	7429-90-5	NA	78000	3900	11800				7250	J	5.03	6190	J	5.03	2080	J	5.03	210		5.03	827		5.03									
ANTIMONY	7440-36-0	450	31	6	4.03					U	0.994	1.3	J	0.994	1.24	J	0.994		U	0.994		U	0.994									
ARSENIC	7440-38-2	19	19	19	32.8				4.04		0.943	3.98		0.943	4.86		0.943		U	0.943		U	0.943									
BARIUM	7440-39-3	59000	16000	1300	58				18.9	J	0.04	8.09	J	0.04	4.09	J	0.04	1.71	J	0.04	3.29	J	0.04									
BERYLLIUM	7440-41-7	140	16	0.5	3.27					U	0.068		U	0.068	0.26	J	0.068		U	0.068		U	0.068									
CALCIUM	7440-70-2	NA	NA	NA	2260				2260		6.13	82.6		6.13	58.1		6.13	28.1	J	6.13	111	J	6.13									
CHROMIUM	7440-47-3	NA	NA	NA	144				18.2		0.583	40.9		0.583	38		0.583	1.82	R	0.583	1.79	R	0.583									
COBALT	7440-48-4	590	1600	59	6.54				3.63		0.19	1.17		0.19	0.556	J	0.19		U	0.19		U	0.19									
IRON	7439-89-6	NA	NA	NA	142000				19800		4.71	31400		4.71	32100		4.71	333		4.71	1760		4.71									
MAGNESIUM	7439-95-4	NA	NA	NA	2030				2030		2.54	311		2.54	97.7		2.54	9.53	R	2.54	37.3	R	2.54									
MANGANESE	7439-96-5	5900	11000	42	91.3				91.3		0.056	21.2		0.056	17.4		0.056	1.8	J	0.056	1.87	J	0.056									
MERCURY	7439-97-6	65	23	0.1	0.0282					U	0.012		U	0.012		U	0.012		U	0.012		U	0.012									
NICKEL	7440-02-0	23000	1600	31	12.9				9.71		0.18	4.52		0.18	1.82		0.18		U	0.18		U	0.18									
POTASSIUM	2023695	NA	NA	NA	1680				904		13.1	337		13.1	256		13.1	31.3	J	13.1	104	J	13.1									
SELENIUM	7782-49-2	5700	390	7	3.93					U	0.979		U	0.979		U	0.979		U	0.979		U	0.979									
SILVER	7440-22-4	5700	390	1	ND					U	0.18		U	0.18		U	0.18		U	0.18		U	0.18									
SODIUM	7440-23-5	NA	NA	NA	317				184		37.3		U	37.3		U	37.3		U	37.3		U	37.3									
THALLIUM	7440-28-0	79	5	3	ND					U	1.45		U	1.45		U	1.45		U	1.45		U	1.45									
VANADIUM	7440-62-2	1100	78	NA	304				67.9		0.17	47.7		0.17	47.4		0.17	3.11	R	0.17	4.27	R	0.17									

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-10-16			SRI-10-20			SRI-11-4			SRI-11-8			SRI-11-12			SRI-11-16			SRI-11-20			SRI-11-50			SRI-11-72		
						5718649			5718650			5726205			5726206			5726207			5726208			5726209			5726210			5726211		
						07/07/09			07/07/09			07/17/09			07/17/09			07/17/09			07/17/09			07/17/09			07/17/09			07/17/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			49' - 51'			71' - 73'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18								U	0.14	0.206		0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14
COPPER	7440-50-8	45000	3100	7300	1310							0.697		0.2	1.81		0.2	0.336		0.2	0.713		0.2	0.425		0.2	1.92		0.2	0.899		0.2
LEAD	7439-92-1	800	400	59	30.5							2.69		0.591	2.07		0.591	1.22		0.591	1.26		0.591	1.52		0.591	6.43		0.591	0.743		0.591
ZINC	7440-66-6	110000	23000	600	640							2.1		0.655	11.4		0.655		U	0.655	2.54		0.655	1.41		0.655	4.4		0.655		U	0.655
ALUMINUM	7429-90-5	NA	78000	3900	11800							1300		5.03	3210		5.03	262		5.03	215		5.03	276		5.03	2040		5.03	306		5.03
ANTIMONY	7440-36-0	450	31	6	4.03								U	0.994		U	0.994		U	0.994		U	0.994		U	0.994		U	0.994		U	0.994
ARSENIC	7440-38-2	19	19	19	32.8							1.08		0.943		U	0.943		U	0.943		U	0.943		U	0.943	1.15		0.943		U	0.943
BARIUM	7440-39-3	59000	16000	1300	58							5.67		0.04	4.44		0.04	2.14		0.04	7.18		0.04	3.04		0.04	6.97		0.04	2.61		0.04
BERYLLIUM	7440-41-7	140	16	0.5	3.27								U	0.068		U	0.068		U	0.068		U	0.068		U	0.068		U	0.068		U	0.068
CALCIUM	7440-70-2	NA	NA	NA	2260							105		6.13	57.3		6.13	26.2		6.13	140		6.13	28.2		6.13	41.8		6.13	13.8		6.13
CHROMIUM	7440-47-3	NA	NA	NA	144							5.16		0.583	12.6		0.583	1.8		0.583	2.38		0.583	2.52		0.583	14.7		0.583	2.68		0.583
COBALT	7440-48-4	590	1600	59	6.54								U	0.19	0.515		0.19		U	0.19		U	0.19		U	0.19	0.319		0.19		U	0.19
IRON	7439-89-6	NA	NA	NA	142000							695		4.71	19600		4.71	681		4.71	574		4.71	402		4.71	554		4.71	679		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	2030							75.1		2.54	94		2.54	6.91		2.54	10.4		2.54	6.41		2.54	24.2		2.54	7.64		2.54
MANGANESE	7439-96-5	5900	11000	42	91.3							9.46	J	0.056	21.1		0.056	3.13		0.056	3.26		0.056	4.06		0.056	12.6		0.056	2.75		0.056
MERCURY	7439-97-6	65	23	0.1	0.0282								U	0.012	0.0235		0.012		U	0.012	0.0214		0.012		U	0.012	0.0206		0.012		U	0.012
NICKEL	7440-02-0	23000	1600	31	12.9							0.565		0.18	1.73		0.18		U	0.18		U	0.18	0.229		0.18	1.77		0.18	0.448		0.18
POTASSIUM	2023695	NA	NA	NA	1680							217		13.1	246		13.1	45.5		13.1	42.4		13.1	41.6		13.1	236		13.1	53.5		13.1
SELENIUM	7782-49-2	5700	390	7	3.93								U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	ND								U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18
SODIUM	7440-23-5	NA	NA	NA	317								U	37.3		U	37.3		U	37.3		U	37.3		U	37.3		U	37.3		U	37.3
THALLIUM	7440-28-0	79	5	3	ND								U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45
VANADIUM	7440-62-2	1100	78	NA	304							4.4		0.17	23.1		0.17	1.67		0.17	2.07		0.17	2.01		0.17	9.09		0.17	0.989		0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-12-4			SRI-12-8			SRI-12-12			SRI-12-16			SRI-12-20			SRI-12-50			SRI-12-75			SRI-13-4			SRI-13-8		
						5754546			5754547			5754548			5754549			5754550			5754551			5754552			5758427			5754542		
						08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			49' - 51'			74' - 76'			3' - 5'			7' - 9'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18																							U	0.14	2.38		0.14
COPPER	7440-50-8	45000	3100	7300	1310																						21.8	J	0.2	132	J	0.2
LEAD	7439-92-1	800	400	59	30.5																						4.63		0.591	10.7		0.591
ZINC	7440-66-6	110000	23000	600	640																						321	J	0.655	640	J	0.655
ALUMINUM	7429-90-5	NA	78000	3900	11800																						4230		5.03	7420		5.03
ANTIMONY	7440-36-0	450	31	6	4.03																							UJ	0.994	3.05	J	0.994
ARSENIC	7440-38-2	19	19	19	32.8																						2.18	J	0.943	16		0.943
BARIUM	7440-39-3	59000	16000	1300	58																						6.19	J	0.04	13.3	J	0.04
BERYLLIUM	7440-41-7	140	16	0.5	3.27																						0.336	J	0.068	2.08		0.068
CALCIUM	7440-70-2	NA	NA	NA	2260																						155	J	6.13	194	J	6.13
CHROMIUM	7440-47-3	NA	NA	NA	144																						10.2	J	0.583	74.1	J	0.583
COBALT	7440-48-4	590	1600	59	6.54																							U	0.19	1.18		0.19
IRON	7439-89-6	NA	NA	NA	142000																						1150		4.71	59500		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	2030																						105		2.54	177		2.54
MANGANESE	7439-96-5	5900	11000	42	91.3																						9.54	J	0.056	17.7	J	0.056
MERCURY	7439-97-6	65	23	0.1	0.0282																							U	0.012		U	0.012
NICKEL	7440-02-0	23000	1600	31	12.9																						1.97	J	0.18	8.49	J	0.18
POTASSIUM	2023695	NA	NA	NA	1680																						216		13.1	482		13.1
SELENIUM	7782-49-2	5700	390	7	3.93																							U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	ND																							U	0.18		U	0.18
SODIUM	7440-23-5	NA	NA	NA	317																						45.4	J	37.3		U	37.3
THALLIUM	7440-28-0	79	5	3	ND																							U	1.45		U	1.45
VANADIUM	7440-62-2	1100	78	NA	304																						6.4	J	0.17	112	J	0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-13-12			SRI-13-16			SRI-13-20			SRI-14-4			SRI-14-8			SRI-14-12			SRI-14-16			SRI-14-20			SRI-15-4		
						5758429			5758430			5758431			5754553			5754554			5754555			5754556			5754557			5736092		
						08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			08/19/09			07/28/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18		U	0.14		U	0.14		U	0.14																0.874		0.14
COPPER	7440-50-8	45000	3100	7300	1310	3.89	J	0.2	2.09	J	0.2	0.562	J	0.2																17		0.2
LEAD	7439-92-1	800	400	59	30.5	1.63	J	0.591	2.46		0.591	1.85		0.591																11.4		0.591
ZINC	7440-66-6	110000	23000	600	640	7.04	J	0.655	26.2	J	0.655		UJ	0.655																56.6		0.655
ALUMINUM	7429-90-5	NA	78000	3900	11800	774		5.03	671		5.03	384		5.03																11600		5.03
ANTIMONY	7440-36-0	450	31	6	4.03		UJ	0.994		UJ	0.994		UJ	0.994																4.03		0.994
ARSENIC	7440-38-2	19	19	19	32.8		U	0.943		U	0.943		U	0.943																32.8		0.943
BARIUM	7440-39-3	59000	16000	1300	58	3.49	J	0.04	4.38	J	0.04	3.12	J	0.04																21		0.04
BERYLLIUM	7440-41-7	140	16	0.5	3.27	0.113	J	0.068		U	0.068		U	0.068																2.71		0.068
CALCIUM	7440-70-2	NA	NA	NA	2260	41.6	J	6.13	150	J	6.13		U	6.13																119		6.13
CHROMIUM	7440-47-3	NA	NA	NA	144	2.9	J	0.583	7.13	J	0.583	3.06	J	0.583																144		0.583
COBALT	7440-48-4	590	1600	59	6.54		U	0.19		U	0.19		U	0.19																1.32		0.19
IRON	7439-89-6	NA	NA	NA	142000	1990		4.71	1180		4.71	391		4.71																94200		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	2030	23.5		2.54	21.3		2.54		U	2.54																450		2.54
MANGANESE	7439-96-5	5900	11000	42	91.3	2.95	J	0.056	6.98	J	0.056	3.94	J	0.056																25.6		0.056
MERCURY	7439-97-6	65	23	0.1	0.0282		U	0.012		U	0.012		U	0.012																0.0215		0.012
NICKEL	7440-02-0	23000	1600	31	12.9	0.4	J	0.18	1.02	J	0.18	0.369	J	0.18																12.9		0.18
POTASSIUM	2023695	NA	NA	NA	1680	113		13.1	97.1		13.1	81.5		13.1																1330		13.1
SELENIUM	7782-49-2	5700	390	7	3.93		U	0.979		U	0.979		U	0.979																3.93		0.979
SILVER	7440-22-4	5700	390	1	ND		U	0.18		U	0.18		U	0.18																	U	0.18
SODIUM	7440-23-5	NA	NA	NA	317		U	37.3		U	37.3		U	37.3																262		37.3
THALLIUM	7440-28-0	79	5	3	ND		U	1.45		U	1.45		U	1.45																	U	1.45
VANADIUM	7440-62-2	1100	78	NA	304	21.1	J	0.17	8.63	J	0.17	2.46	J	0.17																304		0.17

Notes:
MDL - Method Detection Limit
ND, U - Non Detected, concentration less than MDL
J - Estimated concentration
R - Rejected by data validator
0.12 - Detected concentration exceeds the Impact to Groundwater Default
No impact to groundwater comparison for samples below 2 feet
12 - Detected concentration exceeds the Residential Standard
120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-15-8			SRI-15-12			SRI-15-16			SRI-15-20			SRI-16-4			SRI-16-8			SRI-16-12			SRI-16-15			SRI-16-20		
						5736093			5736094			5736095			5736096			5743860			5743861			5743862			5743863			5743864		
						07/28/09			07/28/09			07/28/09			07/28/09			08/06/09			08/06/09			08/06/09			08/06/09			08/06/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'			11' - 13'			14' - 16'			19' - 21'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18		U	0.14		U	0.14		U	0.14		U	0.14															
COPPER	7440-50-8	45000	3100	7300	1310	0.476		0.2	0.318		0.2	1.39		0.2	0.367		0.2															
LEAD	7439-92-1	800	400	59	30.5		U	0.591	0.891		0.591	5.19		0.591		U	0.591															
ZINC	7440-66-6	110000	23000	600	640	1.94		0.655	0.918		0.655	3.38		0.655		U	0.655															
ALUMINUM	7429-90-5	NA	78000	3900	11800	452		5.03	291		5.03	4940		5.03	379		5.03															
ANTIMONY	7440-36-0	450	31	6	4.03		U	0.994		U	0.994		U	0.994		U	0.994															
ARSENIC	7440-38-2	19	19	19	32.8		U	0.943		U	0.943	1.15		0.943		U	0.943															
BARIUM	7440-39-3	59000	16000	1300	58	2.22		0.04	2.99		0.04	23		0.04	2.44		0.04															
BERYLLIUM	7440-41-7	140	16	0.5	3.27		U	0.068		U	0.068	0.155		0.068		U	0.068															
CALCIUM	7440-70-2	NA	NA	NA	2260	35.5		6.13	16.2		6.13	63		6.13	11.5		6.13															
CHROMIUM	7440-47-3	NA	NA	NA	144	2.27		0.583	2.41		0.583	4.38		0.583	1.11		0.583															
COBALT	7440-48-4	590	1600	59	6.54		U	0.19		U	0.19	0.396		0.19		U	0.19															
IRON	7439-89-6	NA	NA	NA	142000	1170		4.71	509		4.71	2380		4.71	279		4.71															
MAGNESIUM	7439-95-4	NA	NA	NA	2030	8.62		2.54	3.45		2.54	144		2.54	8.45		2.54															
MANGANESE	7439-96-5	5900	11000	42	91.3	1.52		0.056	2.41		0.056	9.02		0.056	0.989		0.056															
MERCURY	7439-97-6	65	23	0.1	0.0282		U	0.012		U	0.012		U	0.012		U	0.012															
NICKEL	7440-02-0	23000	1600	31	12.9	0.234		0.18		U	0.18	0.962		0.18	0.343		0.18															
POTASSIUM	2023695	NA	NA	NA	1680	26.4		13.1	33.8		13.1	552		13.1	53.4		13.1															
SELENIUM	7782-49-2	5700	390	7	3.93		U	0.979		U	0.979		U	0.979		U	0.979															
SILVER	7440-22-4	5700	390	1	ND		U	0.18		U	0.18		U	0.18		U	0.18															
SODIUM	7440-23-5	NA	NA	NA	317		U	37.3		U	37.3	74.4		37.3		U	37.3															
THALLIUM	7440-28-0	79	5	3	ND		U	1.45		U	1.45		U	1.45		U	1.45															
VANADIUM	7440-62-2	1100	78	NA	304	3.32		0.17	3.39		0.17	11.6		0.17	1.45		0.17															

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-17-4			SRI-17-8			SRI-17-12			SRI-17-16			SRI-17-20			SRI-17-25			SRI-17-34			SRI-17-41			SRI-17-75		
						5725439			5725440			5725441			5725442			5725443			5725444			5725446			5725445			5725447		
						07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09			07/16/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			24' - 26'			33' - 35'			40' - 42'			74' - 76'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14					U	0.14			
COPPER	7440-50-8	45000	3100	7300	1310	2.42		0.2	0.498		0.2	9.56		0.2	0.604		0.2	0.626		0.2	2.07		0.2				0.578		0.2			
LEAD	7439-92-1	800	400	59	30.5	5.27		0.591	3.14		0.591	8.61		0.591	1.42		0.591	1.9		0.591	1.55		0.591				2.22		0.591			
ZINC	7440-66-6	110000	23000	600	640	22.8		0.655	2.5		0.655	1.46		0.655		U	0.655	1.26		0.655	4.06		0.655				0.802		0.655			
ALUMINUM	7429-90-5	NA	78000	3900	11800	2640		5.03	908		5.03	2420		5.03	573		5.03	366		5.03	517		5.03				963		5.03			
ANTIMONY	7440-36-0	450	31	6	4.03		U	0.994		U	0.994		U	0.994		U	0.994		U	0.994		U	0.994					U	0.994			
ARSENIC	7440-38-2	19	19	19	32.8	2		0.943		U	0.943	2.64		0.943		U	0.943		U	0.943		U	0.943					U	0.943			
BARIUM	7440-39-3	59000	16000	1300	58	9.65		0.04	6.19		0.04	14.4		0.04	3.71		0.04	3.61		0.04	4.4		0.04				3.6		0.04			
BERYLLIUM	7440-41-7	140	16	0.5	3.27		U	0.068		U	0.068		U	0.068		U	0.068		U	0.068		U	0.068					U	0.068			
CALCIUM	7440-70-2	NA	NA	NA	2260	257		6.13	36.3		6.13	366		6.13	57.3		6.13	28		6.13	55.9		6.13				17		6.13			
CHROMIUM	7440-47-3	NA	NA	NA	144	8.02		0.583	5.35		0.583	26.7		0.583	2.37		0.583	4.27		0.583	7.11		0.583				2.8		0.583			
COBALT	7440-48-4	590	1600	59	6.54		U	0.19		U	0.19		U	0.19		U	0.19		U	0.19		U	0.19					U	0.19			
IRON	7439-89-6	NA	NA	NA	142000	5810		4.71	371		4.71	1190		4.71	237		4.71	306		4.71	699		4.71				465		4.71			
MAGNESIUM	7439-95-4	NA	NA	NA	2030	131		2.54	25.1		2.54	76.7		2.54	17.9		2.54	11		2.54	15.9		2.54				18.6		2.54			
MANGANESE	7439-96-5	5900	11000	42	91.3	17.9		0.056	7.64		0.056	11.7		0.056	1.86		0.056	5.66		0.056	6.47		0.056				2.36		0.056			
MERCURY	7439-97-6	65	23	0.1	0.0282		U	0.012	0.0178		0.012	0.0203		0.012		U	0.012	0.0165		0.012	0.0187		0.012				0.021		0.012			
NICKEL	7440-02-0	23000	1600	31	12.9	1.1		0.18	0.386		0.18	0.697		0.18	0.208		0.18	0.374		0.18	0.732		0.18				0.227		0.18			
POTASSIUM	2023695	NA	NA	NA	1680	280		13.1	160		13.1	534		13.1	96.1		13.1	63.2		13.1	77.3		13.1				112		13.1			
SELENIUM	7782-49-2	5700	390	7	3.93		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979					U	0.979			
SILVER	7440-22-4	5700	390	1	ND		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18					U	0.18			
SODIUM	7440-23-5	NA	NA	NA	317		U	37.3	53.1		37.3		U	37.3		U	37.3		U	37.3		U	37.3					U	37.3			
THALLIUM	7440-28-0	79	5	3	ND		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45					U	1.45			
VANADIUM	7440-62-2	1100	78	NA	304	12.8		0.17	9.34		0.17	15.6		0.17	1.78		0.17	3.74		0.17	3.45		0.17				9.46		0.17			

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-18-4			SRI-18-8			SRI-18-12			SRI-18-16			SRI-18-20			SRI-18-41			SRI-18-50			SRI-18-60			SRI-18-66		
						5724097			5724098			5724099			5724100			5724101			5724102			5724103			5724396			5724397		
						07/14/09			07/14/09			07/14/09			07/14/09			07/14/09			07/14/09			07/14/09			07/15/09			07/15/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			40' - 42'			49' - 51'			59' - 61'			65' - 67'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18																											
COPPER	7440-50-8	45000	3100	7300	1310																											
LEAD	7439-92-1	800	400	59	30.5																											
ZINC	7440-66-6	110000	23000	600	640																											
ALUMINUM	7429-90-5	NA	78000	3900	11800																											
ANTIMONY	7440-36-0	450	31	6	4.03																											
ARSENIC	7440-38-2	19	19	19	32.8																											
BARIUM	7440-39-3	59000	16000	1300	58																											
BERYLLIUM	7440-41-7	140	16	0.5	3.27																											
CALCIUM	7440-70-2	NA	NA	NA	2260																											
CHROMIUM	7440-47-3	NA	NA	NA	144																											
COBALT	7440-48-4	590	1600	59	6.54																											
IRON	7439-89-6	NA	NA	NA	142000																											
MAGNESIUM	7439-95-4	NA	NA	NA	2030																											
MANGANESE	7439-96-5	5900	11000	42	91.3																											
MERCURY	7439-97-6	65	23	0.1	0.0282																											
NICKEL	7440-02-0	23000	1600	31	12.9																											
POTASSIUM	2023695	NA	NA	NA	1680																											
SELENIUM	7782-49-2	5700	390	7	3.93																											
SILVER	7440-22-4	5700	390	1	ND																											
SODIUM	7440-23-5	NA	NA	NA	317																											
THALLIUM	7440-28-0	79	5	3	ND																											
VANADIUM	7440-62-2	1100	78	NA	304																											

Notes:
MDL - Method Detection Limit
ND, U - Non Detected, concentration less than MDL
J - Estimated concentration
R - Rejected by data validator
0.12 - Detected concentration exceeds the Impact to Groundwater Default
No impact to groundwater comparison for samples below 2 feet
12 - Detected concentration exceeds the Residential Standard
120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-18-89			SRI-18-95			SRI-19-4			SRI-19-8			SRI-19-12			SRI-19-16			SRI-19-20			SRI-20-4			SRI-20-8		
						5724398			5724399			5736097			5736098			5736099			5736100			5736101			5736104			5736105		
						07/15/09			07/15/09			07/28/09			07/28/09			07/28/09			07/28/09			07/28/09			07/28/09			07/28/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		88' - 90'			94' - 96'			3' - 5'			7' - 9'			11' - 13'			15' - 17'			19' - 21'			3' - 5'			7' - 9'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	3.18								U	0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14
COPPER	7440-50-8	45000	3100	7300	1310							2.09		0.2	1.27		0.2	0.518		0.2	0.66		0.2	0.863		0.2	4.8		0.2	1.03		0.2
LEAD	7439-92-1	800	400	59	30.5							2.3		0.591	1.63		0.591	1.11		0.591	2.22		0.591	2.04		0.591	30.5		0.591	3.7		0.591
ZINC	7440-66-6	110000	23000	600	640							3.7		0.655	2.01		0.655	1.37		0.655	1.67		0.655	2.15		0.655	17.2		0.655	5.07		0.655
ALUMINUM	7429-90-5	NA	78000	3900	11800							2680		5.03	2580		5.03	408		5.03	767		5.03	819		5.03	2950		5.03	936		5.03
ANTIMONY	7440-36-0	450	31	6	4.03								U	0.994		U	0.994		U	0.994		U	0.994		U	0.994	2.26		0.994		U	0.994
ARSENIC	7440-38-2	19	19	19	32.8								U	0.943		U	0.943		U	0.943		U	0.943		U	0.943		U	0.943		U	0.943
BARIUM	7440-39-3	59000	16000	1300	58							6.38		0.04	6.27		0.04	2.29		0.04	3.82		0.04	5.02		0.04	10.4		0.04	4.97		0.04
BERYLLIUM	7440-41-7	140	16	0.5	3.27								U	0.068		U	0.068		U	0.068		U	0.068		U	0.068	0.0845		0.068		U	0.068
CALCIUM	7440-70-2	NA	NA	NA	2260							1160		6.13	88		6.13	9.84		6.13	37.8		6.13	33.2		6.13	77.6		6.13	26.1		6.13
CHROMIUM	7440-47-3	NA	NA	NA	144							3.95		0.583	4.65		0.583	2.28		0.583	6.52		0.583	4.78		0.583	9.74		0.583	6.72		0.583
COBALT	7440-48-4	590	1600	59	6.54								U	0.19		U	0.19		U	0.19		U	0.19		U	0.19	0.308		0.19		U	0.19
IRON	7439-89-6	NA	NA	NA	142000							1070		4.71	584		4.71	1240		4.71	392		4.71	660		4.71	1880		4.71	3000		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	2030							106		2.54	47.2		2.54	4.14		2.54	9.33		2.54	11.8		2.54	147		2.54	33.3		2.54
MANGANESE	7439-96-5	5900	11000	42	91.3							10.7		0.056	2.37		0.056	2.42		0.056	5.17		0.056	7.07		0.056	29.8		0.056	6.78		0.056
MERCURY	7439-97-6	65	23	0.1	0.0282								U	0.012		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012
NICKEL	7440-02-0	23000	1600	31	12.9							1.61		0.18	0.801		0.18		U	0.18		U	0.18	0.381		0.18	2.08		0.18	0.378		0.18
POTASSIUM	2023695	NA	NA	NA	1680							266		13.1	176		13.1	28.3		13.1	71.7		13.1	82.4		13.1	381		13.1	130		13.1
SELENIUM	7782-49-2	5700	390	7	3.93								U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	ND								U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18
SODIUM	7440-23-5	NA	NA	NA	317								U	37.3		U	37.3		U	37.3		U	37.3		U	37.3	317		37.3		U	37.3
THALLIUM	7440-28-0	79	5	3	ND								U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45
VANADIUM	7440-62-2	1100	78	NA	304							5.95		0.17	5.45		0.17	3.71		0.17	4.49		0.17	4.83		0.17	12.1		0.17	11.6		0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-1
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in CPS Source Area (Phase 1 Task 3)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-20-12			SRI-20-16			SRI-20-20			SRI-21-12			SRI-21-15			SRI-21-20		
						5736106			5743876			5743877			5743871			5743872			5743873		
						07/28/09			08/06/09			08/06/09			08/06/09			08/06/09			08/06/09		
						11' - 13'			15' - 17'			19' - 21'			11' - 13'			14' - 16'			19' - 21'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																							
CADMIUM	7440-43-9	78	78	1	3.18		U	0.14		U	0.14		U	0.14									
COPPER	7440-50-8	45000	3100	7300	1310	2.58		0.2	0.244	J	0.2		U	0.2									
LEAD	7439-92-1	800	400	59	30.5	2.55		0.591	1.12	J	0.591	0.977	J	0.591									
ZINC	7440-66-6	110000	23000	600	640	1.43		0.655		R	0.655	1.46	R	0.655									
ALUMINUM	7429-90-5	NA	78000	3900	11800	1910		5.03	241		5.03	178		5.03									
ANTIMONY	7440-36-0	450	31	6	4.03		U	0.994		U	0.994		U	0.994									
ARSENIC	7440-38-2	19	19	19	32.8		U	0.943		U	0.943		U	0.943									
BARIUM	7440-39-3	59000	16000	1300	58	5.42		0.04	1.84	J	0.04	1.61	J	0.04									
BERYLLIUM	7440-41-7	140	16	0.5	3.27		U	0.068		U	0.068		U	0.068									
CALCIUM	7440-70-2	NA	NA	NA	2260	71.4		6.13	19.9	J	6.13	19.8	J	6.13									
CHROMIUM	7440-47-3	NA	NA	NA	144	22.3		0.583	1.67	R	0.583	1.57	R	0.583									
COBALT	7440-48-4	590	1600	59	6.54		U	0.19		U	0.19		U	0.19									
IRON	7439-89-6	NA	NA	NA	142000	1290		4.71	244		4.71	165		4.71									
MAGNESIUM	7439-95-4	NA	NA	NA	2030	14.5		2.54	6.91	R	2.54	5.01	R	2.54									
MANGANESE	7439-96-5	5900	11000	42	91.3	2.18		0.056	1.69	J	0.056	1.61	J	0.056									
MERCURY	7439-97-6	65	23	0.1	0.0282	0.0282		0.012		U	0.012		U	0.012									
NICKEL	7440-02-0	23000	1600	31	12.9	0.533		0.18		U	0.18		U	0.18									
POTASSIUM	2023695	NA	NA	NA	1680	95.2		13.1	32.2	J	13.1	29.7	J	13.1									
SELENIUM	7782-49-2	5700	390	7	3.93		U	0.979		U	0.979		U	0.979									
SILVER	7440-22-4	5700	390	1	ND		U	0.18		U	0.18		U	0.18									
SODIUM	7440-23-5	NA	NA	NA	317	54.1		37.3		U	37.3		U	37.3									
THALLIUM	7440-28-0	79	5	3	ND		U	1.45		U	1.45		U	1.45									
VANADIUM	7440-62-2	1100	78	NA	304	21		0.17	2.63	R	0.17	2.72	R	0.17									

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-1-0-0.5			SRI-SS-1-3.5-4.0			SRI-SS-2-0-0.5			SRI-SS-2-3.5-4.0			SRI-SS-3-0-0.5			SRI-SS-3-3.5-4.0			SRI-SS-4-0-0.5			SRI-SS-4-3.5-4.0			SRI-SS-5-0-0.5		
						5718021			5718022			5718023			5718024			5718025			5718026			5718027			5718028			5718029		
						07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	*0.009*		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	0.019		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		R	0.002		R	0.002		R	0.002		R	0.002		U	0.002		R	0.002		U	0.002		R	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	0.027		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	0.036		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	0.22		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
ACETONE	67-64-1	NA	70000	12	*14*		R	0.007		R	0.007		R	0.007		R	0.007	4	J	0.007	0.034	J	0.007	0.44	J	0.007	0.028	J	0.007	14	J	0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		R	0.02		R	0.02		R	0.02		R	0.02		U	0.02		R	0.02		U	0.02		R	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		R	0.004		R	0.004		R	0.004		R	0.004		U	0.004		R	0.004		U	0.004		R	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	*0.009*		R	0.0005		R	0.0005		R	0.0005		R	0.0005		U	0.0005		R	0.0005		U	0.0005		R	0.0005		U	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.003		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001	0.003	J	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	*3.2*		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		R	0.002		R	0.002		R	0.002		R	0.002		U	0.002		R	0.002		U	0.002		R	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.001		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		R	0.002		R	0.002		R	0.002		R	0.002		U	0.002		R	0.002		U	0.002		R	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	0.3		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.58		R	0.002		R	0.002		R	0.002		R	0.002		U	0.002		R	0.002		U	0.002		R	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		R	0.002		R	0.002		R	0.002		R	0.002		U	0.002		R	0.002		U	0.002		R	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		R	0.002		R	0.002		R	0.002		R	0.002		U	0.002		R	0.002		U	0.002		R	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	ND		R	0.004		R	0.004		R	0.004		R	0.004		U	0.004		R	0.004		U	0.004		R	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	ND		R	0.003		R	0.003		R	0.003		R	0.003		U	0.003		R	0.003		U	0.003		R	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	*0.44*		R	0.002	0.004	J	0.002	0.003	J	0.002	0.002	J	0.002		U	0.002	0.002	J	0.002		U	0.002	0.006	R	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	ND		R	0.0005		R	0.0005		R	0.0005		R	0.0005		U	0.0005		R	0.0005		U	0.0005		R	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	ND		R	0.02		R	0.02		R	0.02		R	0.02		U	0.02		R	0.02		U	0.02		R	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	*0.07*		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	0.077		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		R	0.002		R	0.002		R	0.002		R	0.002		U	0.002		R	0.002		U	0.002		R	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	2.6		R	0.001		R	0.001		R	0.001		R	0.001		U	0.001		R	0.001		U	0.001		R	0.001		U	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

No impact to groundwater comparison for samples below 2 feet

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

J - Estimated concentration

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-5-3.5-4.0			SRI-SS-6-0-0.5			SRI-SS-6-3.5-4.0			SRI-SS-7-0-0.5			SRI-SS-7-3.5-4.0			SRI-SS-8-0-0.5			SRI-SS-8-3.5-4.0			SRI-SS-9-0-0.5			SRI-SS-9-3.5-4.0		
						5718030			5718031			5718032			5718624			5718625			5718626			5718627			5718628			5718629		
						07/06/09			07/06/09			07/06/09			07/07/09			07/07/09			07/07/09			07/07/09			07/07/09			07/07/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	*0.009*		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001	0.009		0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	0.019		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001	0.019		0.001		U	0.001		U	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		R	0.002		R	0.002		R	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	0.027		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001	0.027		0.001		U	0.001		U	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	0.036		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001	0.036		0.001		U	0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	0.22		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001	0.22		0.001		U	0.001		U	0.001
ACETONE	67-64-1	NA	70000	12	*14*	0.016	J	0.007		R	0.007	0.032	J	0.007		U	0.007		U	0.007	7	J	0.007		U	0.007		U	0.007		U	0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		R	0.02		R	0.02		R	0.02		UJ	0.02		UJ	0.02		U	0.02		UJ	0.02		UJ	0.02		UJ	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		R	0.004		R	0.004		R	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	*0.009*		R	0.0005		R	0.0005		R	0.0005		U	0.0005		U	0.0005		U	0.0005	0.009		0.0005		U	0.0005		U	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.003		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	*3.2*		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001	3.2		0.001		U	0.001		U	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		R	0.002		R	0.002		R	0.002		U	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.001		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001	0.001		0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		R	0.002		R	0.002		R	0.002		U	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	0.3		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001	0.3		0.001		U	0.001		U	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.58		R	0.002		R	0.002		R	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		R	0.002		R	0.002		R	0.002		U	0.002		U	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		R	0.002		R	0.002		R	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	ND		R	0.004		R	0.004		R	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	ND		R	0.003		R	0.003		R	0.003		UJ	0.003		UJ	0.003		U	0.003		UJ	0.003		U	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	*0.44*	0.004	J	0.002	0.003	J	0.002	0.002	J	0.002	0.27		0.002	0.27		0.002		U	0.002	0.44	E	0.002		U	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	ND		R	0.0005		R	0.0005		R	0.0005		UJ	0.0005		UJ	0.0005		U	0.0005		UJ	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	ND		R	0.02		R	0.02		R	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	*0.07*		R	0.001		R	0.001		R	0.001	0.033		0.001	0.07		0.001		U	0.001	0.055		0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	0.077		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001	0.077		0.001		U	0.001		U	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		R	0.002		R	0.002		R	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	ND		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	2.6		R	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001	2.6		0.001		U	0.001		U	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

No impact to groundwater comparison for samples below 2 feet

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

J - Estimated concentration

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-10-0-0.5			SRI-SS-10-3.5-4.0			SRI-SS-11-0-0.5			SRI-SS-11-3.5-4.0			SRI-SS-12-0-0.5			SRI-SS-12-3.5-4.0			SRI-SS-13-0-0.5			SRI-SS-13-3.5-4.0			SRI-SS-14-0-0.5		
						5718630			5718631			5718632			5718633			5719954			5719955			5718634			5718635			5718636		
						07/07/09			07/07/09			07/07/09			07/07/09			07/08/09			07/08/09			07/07/09			07/07/09			07/07/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	*0.009*		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	0.019		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		U	0.002		R	0.002		R	0.002		U	0.002		U	0.002		U	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	0.027		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	0.036		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	0.22		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
ACETONE	67-64-1	NA	70000	12	*14*		U	0.007		U	0.007		U	0.007		U	0.007	0.025	R	0.007		R	0.007	2.6	J	0.007		U	0.007		U	0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		UJ	0.02		UJ	0.02		UJ	0.02		UJ	0.02		R	0.02		R	0.02		U	0.02		UJ	0.02		UJ	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004		R	0.004		R	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	*0.009*		U	0.0005		U	0.0005		U	0.0005		U	0.0005		R	0.0005		R	0.0005		U	0.0005		U	0.0005		U	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.003		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	*3.2*		U	0.001	0.006		0.001		U	0.001	0.002		0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		R	0.002		R	0.002		UJ	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.001		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		U	0.002		R	0.002		R	0.002		UJ	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	0.3		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.58		U	0.002		U	0.002		U	0.002		U	0.002		R	0.002		R	0.002		U	0.002		U	0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		U	0.002		U	0.002		U	0.002		R	0.002		R	0.002		UJ	0.002		U	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002		R	0.002		R	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	ND		U	0.004		U	0.004		U	0.004		U	0.004		R	0.004		R	0.004		U	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	ND		U	0.003		UJ	0.003		U	0.003		U	0.003		R	0.003		R	0.003		U	0.003		UJ	0.003		U	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	*0.44*		U	0.002		U	0.002		U	0.002		U	0.002		R	0.002		R	0.002		U	0.002		U	0.002	0.003		0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	ND		U	0.0005		UJ	0.0005		U	0.0005		U	0.0005		R	0.0005		R	0.0005		U	0.0005		UJ	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	ND		U	0.02		U	0.02		U	0.02		U	0.02		R	0.02		R	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	*0.07*		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	0.077		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		U	0.002		U	0.002		R	0.002		R	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	2.6		U	0.001		U	0.001		U	0.001		U	0.001		R	0.001		R	0.001		U	0.001		U	0.001		U	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

No impact to groundwater comparison for samples below 2 feet

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

J - Estimated concentration

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-14-3.5-4.0			SRI-SS-15-0-0.5			SRI-SS-15-3.5-4.0			SRI-SS-16-0-0.5			SRI-SS-16-0.5-1.0			SRI-SS-16-3.5-4.0			SRI-SS-17-Surface			SRI-SS-18-Base			SRI-SS-18-Surface		
						5718637			5718638			5718639			5755893			5758439			5755894			5719958			5719957			5719956		
						07/07/09			07/07/09			07/07/09			08/20/09			08/20/09			08/20/09			07/08/09			07/08/09			07/08/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			0.5' - 4'			3.5' - 4'			0' - 0'			0' - 0'			0' - 0'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																																
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	*0.009*		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	ND		U	0.001		U	0.001		R	0.001		U	0.001					U	0.001									
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	0.019		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		U	0.002		U	0.002		U	0.002		U	0.002					U	0.002									
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	0.027		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	ND		U	0.001		U	0.001		R	0.001		U	0.001					U	0.001									
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		U	0.001		U	0.001		R	0.001		U	0.001					U	0.001									
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	0.036		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
1,4-DICHLOROBENZENE	106-46-7	12	5	1	0.22		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
ACETONE	67-64-1	NA	70000	12	*14*		U	0.007	2		0.007		R	0.007		U	0.007					U	0.007									
ACROLEIN	107-02-8	1	0.5	0.5	ND		UJ	0.02		UJ	0.02		U	0.02		U	0.02					U	0.02									
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		U	0.004		U	0.004		U	0.004		U	0.004					U	0.004									
BENZENE	71-43-2	4	2	0.005	*0.009*		U	0.0005		U	0.0005		R	0.0005		U	0.0005					U	0.0005									
BROMOFORM	75-25-2	250	81	0.02	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
CARBON DISULFIDE	75-15-0	110000	7800	4	0.003		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
CHLOROBENZENE	108-90-7	7400	510	0.4	*3.2*		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
CHLOROETHANE	75-00-3	1100	220	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002					U	0.002									
CHLOROFORM	67-66-3	2	0.6	0.2	0.001		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		U	0.001		U	0.001		R	0.001		U	0.001					U	0.001									
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		U	0.002		U	0.002		U	0.002		U	0.002					U	0.002									
ETHYLBENZENE	100-41-4	110000	7800	8	0.3		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
METHYL ACETATE	79-20-9	NA	78000	14	0.58		U	0.002		U	0.002		U	0.002		U	0.002					U	0.002									
METHYL BROMIDE	74-83-9	53	25	0.03	ND		U	0.002		U	0.002		U	0.002		U	0.002					U	0.002									
METHYL CHLORIDE	74-87-3	11	4	NA	ND		U	0.002		U	0.002		U	0.002		U	0.002					U	0.002									
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	ND		U	0.004		U	0.004		U	0.004		U	0.004					U	0.004									
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	ND		UJ	0.003		U	0.003		R	0.003		U	0.003					U	0.003									
METHYLENE CHLORIDE	75-09-2	87	34	0.007	*0.44*		U	0.002		U	0.002		U	0.002		U	0.002					U	0.002									
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	ND		UJ	0.0005		U	0.0005		U	0.0005		U	0.0005					U	0.0005									
STYRENE	100-42-5	230	90	2	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
t-Butyl Alcohol	75-65-0	10000	1400	0.2	ND		U	0.02		U	0.02		U	0.02		U	0.02					U	0.02									
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	*0.07*		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
TOLUENE	108-88-3	91000	6300	4	0.077		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
TRICHLOROETHYLENE	79-01-6	18	7	0.007	ND		U	0.001		U	0.001		R	0.001		U	0.001					U	0.001									
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		U	0.002		U	0.002		U	0.002		U	0.002					U	0.002									
VINYL CHLORIDE	75-01-4	2	0.7	0.005	ND		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									
XYLENES,TOTAL	1330-20-7	170000	12000	12	2.6		U	0.001		U	0.001		U	0.001		U	0.001					U	0.001									

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

No impact to groundwater comparison for samples below 2 feet

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

J - Estimated concentration

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-19-0-0.5			SRI-SS-19-0-0.5-7			SRI-SS-19-3.5-4.0			SRI-SS-20-0-0.5			SRI-SS-20-3.5-4.0		
						5719959			5719961			5719960			5719962			5719963		
						07/08/09			07/08/09			07/08/09			07/08/09			07/08/09		
						0' - 0.5'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
VOLATILE ORGANIC COMPOUNDS																				
1,1,1-TRICHLOROETHANE	71-55-6	4200	290	0.2	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,1,2,2-TETRACHLOROETHANE	79-34-5	3	1	0.005	*0.009*		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,1,2-TRICHLOROETHANE	79-00-5	5	2	0.01	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHANE	75-34-3	21	8	0.2	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,1-DICHLOROETHYLENE	75-35-4	130	11	0.005	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,2,4-TRICHLOROBENZENE	120-82-1	820	73	0.4	0.019		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,2-CIS-DICHLOROETHYLENE	156-59-2	500	230	0.2	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.2	0.08	0.005	ND		R	0.002		UJ	0.002		UJ	0.002		U	0.002		UJ	0.002
1,2-DIBROMOETHANE	106-93-4	0.04	0.008	0.005	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROBENZENE	95-50-1	59000	5300	11	0.027		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,2-DICHLOROETHANE	107-06-2	2	0.9	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001
1,2-DICHLOROPROPANE	78-87-5	5	2	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001
1,2-TRANS-DICHLOROETHYLENE	156-60-5	650	300	0.4	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	NA	NA	ND		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001
1,3-DICHLOROBENZENE	541-73-1	59000	5300	12	0.036		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	NA	NA	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
1,4-DICHLOROBENZENE	106-46-7	12	5	1	0.22		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
ACETONE	67-64-1	NA	70000	12	*14*	0.02	R	0.007		R	0.007	0.02	R	0.007	3	R	0.007	0.17	R	0.007
ACROLEIN	107-02-8	1	0.5	0.5	ND		R	0.02		UJ	0.02		U	0.02		U	0.02		U	0.02
ACRYLONITRILE	107-13-1	2	0.9	0.5	ND		R	0.004		UJ	0.004		U	0.004		U	0.004		U	0.004
BENZENE	71-43-2	4	2	0.005	*0.009*		R	0.0005		R	0.0005		R	0.0005		R	0.0005		R	0.0005
BROMOFORM	75-25-2	250	81	0.02	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
CARBON DISULFIDE	75-15-0	110000	7800	4	0.003		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
CARBON TETRACHLORIDE	56-23-5	2	0.6	0.005	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
CHLOROBENZENE	108-90-7	7400	510	0.4	*3.2*		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
CHLORODIBROMOMETHANE	124-48-1	7	3	0.005	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
CHLOROETHANE	75-00-3	1100	220	NA	ND		R	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002
CHLOROFORM	67-66-3	2	0.6	0.2	0.001		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
DICHLOROBROMOMETHANE	75-27-4	3	1	0.005	ND		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001
DICHLORODIFLUOROMETHANE	75-71-8	230000	490	25	ND		R	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002
ETHYLBENZENE	100-41-4	110000	7800	8	0.3		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
METHYL ACETATE	79-20-9	NA	78000	14	0.58		R	0.002	0.58	J	0.002		UJ	0.002	0.32		0.002		U	0.002
METHYL BROMIDE	74-83-9	53	25	0.03	ND		R	0.002		UJ	0.002		U	0.002		UJ	0.002		U	0.002
METHYL CHLORIDE	74-87-3	11	4	NA	ND		R	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002
METHYL ETHYL KETONE	78-93-3	44000	3100	0.6	ND		R	0.004		UJ	0.004		UJ	0.004		U	0.004		U	0.004
METHYL ISOBUTYL KETONE	108-10-1	NA	NA	NA	ND		R	0.003		R	0.003		R	0.003		R	0.003		R	0.003
METHYLENE CHLORIDE	75-09-2	87	34	0.007	*0.44*		R	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002
METHYL-T-BUTYL ETHER	1634-04-4	290	110	0.2	ND		R	0.0005		UJ	0.0005		U	0.0005		U	0.0005		U	0.0005
STYRENE	100-42-5	230	90	2	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
t-Butyl Alcohol	75-65-0	10000	1400	0.2	ND		R	0.02		UJ	0.02		U	0.02		U	0.02		U	0.02
TETRACHLOROETHYLENE	127-18-4	5	2	0.005	*0.07*		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
TOLUENE	108-88-3	91000	6300	4	0.077		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
TRICHLOROETHYLENE	79-01-6	18	7	0.007	ND		R	0.001		R	0.001		R	0.001		R	0.001		R	0.001
TRICHLOROFLUOROMETHANE	75-69-4	340000	23000	22	ND		R	0.002		UJ	0.002		U	0.002		U	0.002		U	0.002
VINYL CHLORIDE	75-01-4	2	0.7	0.005	ND		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001
XYLENES,TOTAL	1330-20-7	170000	12000	12	2.6		R	0.001		UJ	0.001		U	0.001		U	0.001		U	0.001

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

No impact to groundwater comparison for samples below 2 feet

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

J - Estimated concentration

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-1-0-0.5			SRI-SS-1-3.5-4.0			SRI-SS-2-0-0.5			SRI-SS-2-3.5-4.0			SRI-SS-3-0-0.5			SRI-SS-3-3.5-4.0			SRI-SS-4-0-0.5			SRI-SS-4-3.5-4.0			SRI-SS-5-0-0.5		
						5718021			5718022			5718023			5718024			5718025			5718026			5718027			5718028			5718029		
						07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND		U	0.033														U	0.033									
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	0.45		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-NITROANILINE	88-74-4	83	39	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.086		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	0.045		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ACETOPHENONE	98-86-2	4	2	2	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ANTHRACENE	120-12-7	30000	17000	1500	0.19		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	*1*	0.091		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	*1.4*	0.1		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	*2.4*	0.15		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	1.3	0.082		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	1.1	0.063		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
Biphenyl	92-52-4	34000	3100	90	45		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	6.5		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CARBAZOLE	86-74-8	96	24	NA	0.18		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CHRYSENE	218-01-9	230	62	52	1.9	0.12		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CRESOL,O	95-48-7	3400	310	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
CRESOL,P	106-44-5	340	31	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	0.34		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
FLUORANTHENE	206-44-0	24000	2300	840	2.1	0.19		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033	0.046		0.033
FLUORENE	86-73-7	24000	2300	110	0.11		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	0.13		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	1.2	0.077		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
NAPHTHALENE	91-20-3	16	6	16	0.57		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
NITROBENZENE	98-95-3	340	31	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND		U	0.067														U	0.067									
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17
PHENANTHRENE	85-01-8	300000	NA	NA	1.3	0.093		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PHENOL	108-95-2	210000	18000	5	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PYRENE	129-00-0	18000	1700	550	2.1	0.18		0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033	0.041		0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-5-3.5-4.0			SRI-SS-6-0-0.5			SRI-SS-6-3.5-4.0			SRI-SS-7-0-0.5			SRI-SS-7-3.5-4.0			SRI-SS-8-0-0.5			SRI-SS-8-3.5-4.0			SRI-SS-9-0-0.5			SRI-SS-9-3.5-4.0		
						5718030			5718031			5718032			5718624			5718625			5718626			5718627			5718628			5718629		
						07/06/09			07/06/09			07/06/09			07/07/09			07/07/09			07/07/09			07/07/09			07/07/09			07/07/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND							U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	0.45	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	0.45		0.033	U		0.033	U		0.033
2-NITROANILINE	88-74-4	83	39	NA	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.086	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	0.045	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
ACETOPHENONE	98-86-2	4	2	2	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
ANTHRACENE	120-12-7	30000	17000	1500	0.19	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	*1*	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	*1.4*	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	*2.4*	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	0.048		0.033	U		0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	1.3	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	1.1	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
Biphenyl	92-52-4	34000	3100	90	45	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	0.066		0.033	45		0.033	U		0.033	U		0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	6.5	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	0.11		0.067	6.5		0.067	U		0.067	U		0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
CARBAZOLE	86-74-8	96	24	NA	0.18	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
CHRYSENE	218-01-9	230	62	52	1.9	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
CRESOL,O	95-48-7	3400	310	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
CRESOL,P	106-44-5	340	31	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	0.34	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
FLUORANTHENE	206-44-0	24000	2300	840	2.1	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	0.042		0.033	U		0.033
FLUORENE	86-73-7	24000	2300	110	0.11	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	0.13	U		0.033	U		0.033	U		0.033	U		0.033	0.13		0.033	U		0.033	U		0.033	U		0.033	U		0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	1.2	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
NAPHTHALENE	91-20-3	16	6	16	0.57	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	0.57		0.033	U		0.033	U		0.033
NITROBENZENE	98-95-3	340	31	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND							U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17
PHENANTHRENE	85-01-8	300000	NA	NA	1.3	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
PHENOL	108-95-2	210000	18000	5	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
PYRENE	129-00-0	18000	1700	550	2.1	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	0.043		0.033	U		0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-10-0-0.5			SRI-SS-10-3.5-4.0			SRI-SS-11-0-0.5			SRI-SS-11-3.5-4.0			SRI-SS-12-0-0.5			SRI-SS-12-3.5-4.0			SRI-SS-13-0-0.5			SRI-SS-13-3.5-4.0			SRI-SS-14-0-0.5		
						5718630			5718631			5718632			5718633			5719954			5719955			5718634			5718635			5718636		
						07/07/09			07/07/09			07/07/09			07/07/09			07/08/09			07/08/09			07/07/09			07/07/09			07/07/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67	UJ		0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17	UJ		0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	0.45	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
2-NITROANILINE	88-74-4	83	39	NA	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1	U		0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.086	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	0.045	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
ACETOPHENONE	98-86-2	4	2	2	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
ANTHRACENE	120-12-7	30000	17000	1500	0.19	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2	UJ		1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	*1*	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	*1.4*	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	*2.4*	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	1.3	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	1.1	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
Biphenyl	92-52-4	34000	3100	90	45	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033	UJ		0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	6.5	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
CARBAZOLE	86-74-8	96	24	NA	0.18	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
CHRYSENE	218-01-9	230	62	52	1.9	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
CRESOL,O	95-48-7	3400	310	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
CRESOL,P	106-44-5	340	31	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	0.34	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
FLUORANTHENE	206-44-0	24000	2300	840	2.1	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
FLUORENE	86-73-7	24000	2300	110	0.11	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	0.13	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	1.2	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
NAPHTHALENE	91-20-3	16	6	16	0.57	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
NITROBENZENE	98-95-3	340	31	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067	U		0.067
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17	U		0.17
PHENANTHRENE	85-01-8	300000	NA	NA	1.3	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
PHENOL	108-95-2	210000	18000	5	ND	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033	U		0.033
PYRENE	129-00-0	18000	1700	550	2.1	U		0.033	U		0.033	U		0.033	U		0.033	UJ		0.033	UJ		0.033	U		0.033	U		0.033	U		0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-14-3.5-4.0			SRI-SS-15-0-0.5			SRI-SS-15-3.5-4.0			SRI-SS-16-0-0.5			SRI-SS-16-0.5-1.0			SRI-SS-16-3.5-4.0			SRI-SS-17-Surface			SRI-SS-18-Base			SRI-SS-18-Surface		
						5718637			5718638			5718639			5755893			5758439			5755894			5719958			5719957			5719956		
						07/07/09			07/07/09			07/07/09			08/20/09			08/20/09			08/20/09			07/08/09			07/08/09			07/08/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			0.5' - 4'			3.5' - 4'			0' - 0'			0' - 0'			0' - 0'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																																
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND		UJ	0.67		UJ	0.67		UJ	0.67					U	0.67		U	0.67		UJ	0.67		UJ	0.67		UJ	0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND		UJ	0.17		UJ	0.17		UJ	0.17					U	0.17		U	0.17		UJ	0.17		UJ	0.17		UJ	0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	0.45		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033	0.22		0.033		U	0.033
2-NITROANILINE	88-74-4	83	39	NA	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND		U	0.1		U	0.1		U	0.1					U	0.1		U	0.1		U	0.1		U	0.1		U	0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.086		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033	0.086		0.033		U	0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	0.045		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ACETOPHENONE	98-86-2	4	2	2	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ANTHRACENE	120-12-7	30000	17000	1500	0.19		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033	0.14		0.033	0.19		0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND		UJ	1.2		UJ	1.2		UJ	1.2					UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	*1*		U	0.033	0.046		0.033		U	0.033					U	0.033		U	0.033		U	0.033	0.32		0.033	*0.96*		0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	*1.4*		U	0.033	0.063		0.033		U	0.033					U	0.033		U	0.033	0.069		0.033	*0.46*		0.033	*1.1*		0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	*2.4*		U	0.033	0.099		0.033		U	0.033					U	0.033		U	0.033	0.11		0.033	0.72		0.033	1.8		0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	1.3		U	0.033	0.06		0.033		U	0.033					U	0.033		U	0.033	0.07		0.033	0.31		0.033	0.86		0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	1.1		U	0.033	0.054		0.033		U	0.033					U	0.033		U	0.033	0.038		0.033	0.33		0.033	0.75		0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
Biphenyl	92-52-4	34000	3100	90	45		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033	0.057		0.033	1.9		0.033		U	0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND		UJ	0.033		UJ	0.033		UJ	0.033					U	0.033		U	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	6.5		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067	0.26		0.067	1.4		0.067	1		0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CARBAZOLE	86-74-8	96	24	NA	0.18		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033	0.13		0.033	0.18		0.033
CHRYSENE	218-01-9	230	62	52	1.9		U	0.033	0.075		0.033		U	0.033					U	0.033		U	0.033	0.13		0.033	1.8		0.033	1.9		0.033
CRESOL,O	95-48-7	3400	310	NA	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
CRESOL,P	106-44-5	340	31	NA	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	0.34		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033	0.093		0.033	0.24		0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
FLUORANTHENE	206-44-0	24000	2300	840	2.1		U	0.033	0.12		0.033		U	0.033					U	0.033		U	0.033	0.05		0.033	1.1		0.033	2.1		0.033
FLUORENE	86-73-7	24000	2300	110	0.11		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033	0.11		0.033	0.046		0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND		U	0.17		U	0.17		U	0.17					UJ	0.17		UJ	0.17		U	0.17		U	0.17		U	0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	0.13		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	1.2		U	0.033	0.052		0.033		U	0.033					U	0.033		U	0.033	0.06		0.033	0.29		0.033	0.78		0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
NAPHTHALENE	91-20-3	16	6	16	0.57		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033	0.063		0.033		U	0.033
NITROBENZENE	98-95-3	340	31	0.2	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND		U	0.067		U	0.067		U	0.067					U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND		U	0.17		U	0.17		U	0.17					U	0.17		U	0.17		U	0.17		U	0.17		U	0.17
PHENANTHRENE	85-01-8	300000	NA	NA	1.3		U	0.033	0.049		0.033		U	0.033					U	0.033		U	0.033		U	0.033	0.93		0.033	1.3		0.033
PHENOL	108-95-2	210000	18000	5	ND		U	0.033		U	0.033		U	0.033					U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PYRENE	129-00-0	18000	1700	550	2.1		U	0.033	0.1		0.033		U	0.033					U	0.033		U	0.033	0.057	J	0.033	1	J	0.033	2.1	J	0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-19-0-0.5			SRI-SS-19-0-0.5-7			SRI-SS-19-3.5-4.0			SRI-SS-20-0-0.5			SRI-SS-20-3.5-4.0		
						5719959			5719961			5719960			5719962			5719963		
						07/08/09			07/08/09			07/08/09			07/08/09			07/08/09		
						0' - 0.5'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
SEMI-VOLATILE ORGANIC COMPOUNDS																				
1,2-DIPHENYLHYDRAZINE	122-66-7	2	0.7	0.7	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4,5-TRICHLOROPHENOL	95-95-4	68000	6100	44	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,4,6-TRICHLOROPHENOL	88-06-2	74	19	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DICHLOROPHENOL	120-83-2	2100	180	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2,4-DIMETHYLPHENOL	105-67-9	14000	1200	0.7	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,4-DINITROPHENOL	51-28-5	1400	120	0.3	ND		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67		UJ	0.67
2,4-DINITROTOLUENE	121-14-2	3	0.7	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
2,6-DINITROTOLUENE	606-20-2	3	0.7	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-CHLOROPHENOL	95-57-8	2000	310	0.5	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-METHYL-4,6-DINITROPHENOL	534-52-1	68	6	0.3	ND		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17		UJ	0.17
2-METHYLNAPHTHALENE	91-57-6	2400	230	5	0.45		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
2-NITROANILINE	88-74-4	83	39	NA	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
3,3-DICHLOROBENZIDINE	91-94-1	4	1	0.2	ND		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1
4-CHLORO-3-METHYLPHENOL	59-50-7	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ACENAPHTHENE	83-32-9	37000	3400	74	0.086		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
ACENAPHTHYLENE	208-96-8	300000	NA	NA	0.045		U	0.033		U	0.033		U	0.033	0.045		0.033		U	0.033
ACETOPHENONE	98-86-2	4	2	2	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
ANTHRACENE	120-12-7	30000	17000	1500	0.19		U	0.033		U	0.033		U	0.033	0.17		0.033		U	0.033
BENZALDEHYDE	100-52-7	68000	6100	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
BENZIDINE	92-87-5	0.7	0.7	0.7	ND		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2		UJ	1.2
BENZO(A)ANTHRACENE	56-55-3	2	0.6	0.5	*1*		U	0.033		U	0.033		U	0.033	*1*		0.033		U	0.033
BENZO(A)PYRENE	50-32-8	0.2	0.2	0.2	*1.4*		U	0.033		U	0.033		U	0.033	*1.4*		0.033		U	0.033
BENZO(B)FLUORANTHENE	205-99-2	2	0.6	2	*2.4*	0.05		0.033	0.051		0.033		U	0.033	*2.4*		0.033		U	0.033
BENZO(GHI)PERYLENE	191-24-2	30000	380000	NA	1.3		U	0.033		U	0.033		U	0.033	1.3		0.033		U	0.033
BENZO(K)FLUORANTHENE	207-08-9	23	6	16	1.1		U	0.033		U	0.033		U	0.033	1.1		0.033		U	0.033
BENZYL BUTYL PHTHALATE	85-68-7	14000	1200	150	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
Biphenyl	92-52-4	34000	3100	90	45		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
BIS(2-CHLOROETHYL) ETHER	111-44-4	1	0.4	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
Bis(2-chloroisopropyl) ether	39638-32-9	NA	NA	NA	ND		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033		UJ	0.033
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	140	35	790	6.5		U	0.067		U	0.067		U	0.067	0.31		0.067		U	0.067
CAPROLACTAM	105-60-2	340000	31000	8	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
CARBAZOLE	86-74-8	96	24	NA	0.18		U	0.033		U	0.033		U	0.033	0.14		0.033		U	0.033
CHRYSENE	218-01-9	230	62	52	1.9	0.04		0.033		U	0.033		U	0.033	1.6		0.033		U	0.033
CRESOL,O	95-48-7	3400	310	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
CRESOL,P	106-44-5	340	31	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DIBENZO(A,H)ANTHRACENE	53-70-3	0.2	0.2	0.5	0.34		U	0.033		U	0.033		U	0.033	0.34		0.033		U	0.033
DIETHYL PHTHALATE	84-66-2	550000	49000	57	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DIMETHYL PHTHALATE	131-11-3	NA	NA	NA	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DI-N-BUTYL PHTHALATE	84-74-2	68000	6100	620	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
DI-N-OCTYL PHTHALATE	117-84-0	27000	2400	3300	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
FLUORANTHENE	206-44-0	24000	2300	840	2.1	0.059		0.033	0.043		0.033		U	0.033	2		0.033		U	0.033
FLUORENE	86-73-7	24000	2300	110	0.11		U	0.033		U	0.033		U	0.033	0.039		0.033		U	0.033
HEXACHLOROBENZENE	118-74-1	1	0.3	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
HEXACHLOROBUTADIENE	87-68-3	25	6	0.6	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
HEXACHLOROCYCLOPENTADIENE	77-47-4	97	45	210	ND		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17
HEXACHLOROETHANE	67-72-1	140	35	0.2	0.13		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
INDENO(1,2,3-CD)PYRENE	193-39-5	2	0.6	5	1.2		U	0.033		U	0.033		U	0.033	1.2		0.033		U	0.033
ISOPHORONE	78-59-1	2000	510	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
NAPHTHALENE	91-20-3	16	6	16	0.57		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
NITROBENZENE	98-95-3	340	31	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIMETHYLAMINE	62-75-9	0.7	0.7	0.7	ND		U	0.067		U	0.067		U	0.067		U	0.067		U	0.067
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.3	0.2	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
N-NITROSODIPHENYLAMINE	86-30-6	390	99	0.2	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PENTACHLOROPHENOL	87-86-5	10	3	0.3	ND		U	0.17		U	0.17		U	0.17		U	0.17		U	0.17
PHENANTHRENE	85-01-8	300000	NA	NA	1.3		U	0.033		U	0.033		U	0.033	0.84		0.033		U	0.033
PHENOL	108-95-2	210000	18000	5	ND		U	0.033		U	0.033		U	0.033		U	0.033		U	0.033
PYRENE	129-00-0	18000	1700	550	2.1	0.055	J	0.033	0.046	J	0.033		UJ	0.033	1.9	J	0.033		UJ	0.033

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-1-0-0.5			SRI-SS-1-3.5-4.0			SRI-SS-2-0-0.5			SRI-SS-2-3.5-4.0			SRI-SS-3-0-0.5			SRI-SS-3-3.5-4.0			SRI-SS-4-0-0.5			SRI-SS-4-3.5-4.0			SRI-SS-5-0-0.5		
						5718021			5718022			5718023			5718024			5718025			5718026			5718027			5718028			5718029		
						07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-5-3.5-4.0			SRI-SS-6-0-0.5			SRI-SS-6-3.5-4.0			SRI-SS-7-0-0.5			SRI-SS-7-3.5-4.0			SRI-SS-8-0-0.5			SRI-SS-8-3.5-4.0			SRI-SS-9-0-0.5			SRI-SS-9-3.5-4.0		
						5718030			5718031			5718032			5718624			5718625			5718626			5718627			5718628			5718629		
						07/06/09			07/06/09			07/06/09			07/07/09			07/07/09			07/07/09			07/07/09			07/07/09			07/07/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-10-0-0.5			SRI-SS-10-3.5-4.0			SRI-SS-11-0-0.5			SRI-SS-11-3.5-4.0			SRI-SS-12-0-0.5			SRI-SS-12-3.5-4.0			SRI-SS-13-0-0.5			SRI-SS-13-3.5-4.0			SRI-SS-14-0-0.5		
						5718630			5718631			5718632			5718633			5719954			5719955			5718634			5718635			5718636		
						07/07/09			07/07/09			07/07/09			07/07/09			07/08/09			07/08/09			07/07/09			07/07/09			07/07/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-14-3.5-4.0			SRI-SS-15-0-0.5			SRI-SS-15-3.5-4.0			SRI-SS-16-0-0.5			SRI-SS-16-0.5-1.0			SRI-SS-16-3.5-4.0			SRI-SS-17-Surface			SRI-SS-18-Base			SRI-SS-18-Surface		
						5718637			5718638			5718639			5755893			5758439			5755894			5719958			5719957			5719956		
						07/07/09			07/07/09			07/07/09			08/20/09			08/20/09			08/20/09			07/08/09			07/08/09			07/08/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			0.5' - 4'			3.5' - 4'			0' - 0'			0' - 0'			0' - 0'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-19-0-0.5			SRI-SS-19-0-0.5-7			SRI-SS-19-3.5-4.0			SRI-SS-20-0-0.5			SRI-SS-20-3.5-4.0		
						5719959			5719961			5719960			5719962			5719963		
						07/08/09			07/08/09			07/08/09			07/08/09			07/08/09		
						0' - 0.5'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-1-0-0.5			SRI-SS-1-3.5-4.0			SRI-SS-2-0-0.5			SRI-SS-2-3.5-4.0			SRI-SS-3-0-0.5			SRI-SS-3-3.5-4.0			SRI-SS-4-0-0.5			SRI-SS-4-3.5-4.0			SRI-SS-5-0-0.5		
						5718021			5718022			5718023			5718024			5718025			5718026			5718027			5718028			5718029		
						07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09			07/06/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	0.988	0.593		0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14
COPPER	7440-50-8	45000	3100	7300	540	185		0.2		U	0.2		U	0.2		U	0.2		U	0.2		U	0.2		U	0.2		U	0.2	34.3		0.2
LEAD	7439-92-1	800	400	59	*140*	26.4		0.591	4.69		0.591	6.12		0.591	10.3		0.591	12.7		0.591	8		0.591	5.43		0.591	9.8		0.591	17.9		0.591
ZINC	7440-66-6	110000	23000	600	*711*	306		0.655		U	0.655		U	0.655		U	0.655		U	0.655	25.6		0.655		U	0.655	70.8		0.655		U	0.655
ALUMINUM	7429-90-5	NA	78000	3900	*8860*	4380		5.03	2850		5.03	2570		5.03	4870		5.03	4100		5.03	7920		5.03	2860		5.03	6810		5.03	2360		5.03
ANTIMONY	7440-36-0	450	31	6	2		U	0.994		U	0.994		U	0.994	1.11	J	0.994		U	0.994		U	0.994		U	0.994		U	0.994		U	0.994
ARSENIC	7440-38-2	19	19	19	15.9	2.25		0.943	2.23		0.943	1.55	J	0.943	15.9		0.943	7.91		0.943	2.85		0.943	1.5	J	0.943	4.01		0.943	1.93	J	0.943
BARIUM	7440-39-3	59000	16000	1300	45.4	17		0.04	9.68		0.04	9.31		0.04	10.3		0.04	11.7		0.04	19.5		0.04	9.15		0.04	19.1		0.04	7.71		0.04
BERYLLIUM	7440-41-7	140	16	0.5	*0.705*	0.107	J	0.068		U	0.068		U	0.068	0.0811	J	0.068		U	0.068		U	0.068		U	0.068		U	0.068		U	0.068
CALCIUM	7440-70-2	NA	NA	NA	73500	1050		6.13		U	6.13		U	6.13		U	6.13		U	6.13		U	6.13		U	6.13		U	6.13		U	6.13
CHROMIUM	7440-47-3	NA	NA	NA	73.2	45.8		0.583	11.1		0.583	5.48		0.583	51.7		0.583	11.1		0.583	12.9		0.583	5.95		0.583	14		0.583	8.76		0.583
COBALT	7440-48-4	590	1600	59	6.63	0.801		0.19	0.262	J	0.19		U	0.19	0.443	J	0.19		U	0.19	0.749		0.19		U	0.19	0.638		0.19		U	0.19
IRON	7439-89-6	NA	NA	NA	41700	18900		4.71	7230		4.71	3040		4.71	35900		4.71	13200		4.71	6790		4.71	3670	J	4.71	3520		4.71	5810	J	4.71
MAGNESIUM	7439-95-4	NA	NA	NA	4850	411	J	2.54	146	J	2.54	116	J	2.54	189	J	2.54	233	J	2.54	472	J	2.54	117	J	2.54	309	J	2.54	95.4	J	2.54
MANGANESE	7439-96-5	5900	11000	42	*275*	33.9		0.056	17.4		0.056	14.2		0.056	21.5		0.056	24.3		0.056	30.1		0.056	14.6		0.056	25		0.056	12.1		0.056
MERCURY	7439-97-6	65	23	0.1	*1*		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012
NICKEL	7440-02-0	23000	1600	31	23.8	3.78		0.18	1.31		0.18	0.91	J	0.18	2.56		0.18	1.18		0.18	3.53		0.18	1.01	J	0.18	3.43		0.18	1	J	0.18
POTASSIUM	2023695	NA	NA	NA	705	484		13.1	283		13.1	302		13.1	364		13.1	705		13.1	555		13.1	270		13.1	431		13.1	237		13.1
SELENIUM	7782-49-2	5700	390	7	ND		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	0.399	0.399	J	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18
SODIUM	7440-23-5	NA	NA	NA	683	69.5	J	37.3		U	37.3		U	37.3		U	37.3		U	37.3		U	37.3	59	J	37.3	67.8	J	37.3		U	37.3
THALLIUM	7440-28-0	79	5	3	2.39		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45
VANADIUM	7440-62-2	1100	78	NA	182	23.8	J	0.17	16.4	J	0.17	8.83	J	0.17	182	J	0.17	17	J	0.17	20.6	J	0.17	9.44	J	0.17	12.8	J	0.17	12	J	0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-5-3.5-4.0			SRI-SS-6-0-0.5			SRI-SS-6-3.5-4.0			SRI-SS-7-0-0.5			SRI-SS-7-3.5-4.0			SRI-SS-8-0-0.5			SRI-SS-8-3.5-4.0			SRI-SS-9-0-0.5			SRI-SS-9-3.5-4.0		
						5718030			5718031			5718032			5718624			5718625			5718626			5718627			5718628			5718629		
						07/06/09			07/06/09			07/06/09			07/07/09			07/07/09			07/07/09			07/07/09			07/07/09			07/07/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	0.988		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14	0.327	J	0.14	0.346	J	0.14		U	0.14
COPPER	7440-50-8	45000	3100	7300	540		U	0.2	36.3		0.2		U	0.2	9.56	J	0.2	6.39		0.2	36.4		0.2	36.5		0.2	72.9		0.2	5		0.2
LEAD	7439-92-1	800	400	59	*140*	6.5		0.591	9.28		0.591	5.3		0.591	5.79		0.591	10.3		0.591	28.6		0.591	*81*		0.591	19.4		0.591	5.5		0.591
ZINC	7440-66-6	110000	23000	600	*711*		U	0.655		U	0.655		U	0.655	8.32		0.655	28		0.655	61		0.655	180		0.655	116		0.655	39.6		0.655
ALUMINUM	7429-90-5	NA	78000	3900	*8860*	2660		5.03	2530		5.03	3670		5.03	2760	J	5.03	3060	J	5.03	2200	J	5.03	5380	J	5.03	4440	J	5.03	5110	J	5.03
ANTIMONY	7440-36-0	450	31	6	2		U	0.994		U	0.994		U	0.994		U	0.994		U	0.994		U	0.994	1.52	J	0.994		U	0.994		U	0.994
ARSENIC	7440-38-2	19	19	19	15.9	1.68	J	0.943	1.84	J	0.943	2.01	J	0.943	1.73	J	0.943	2	J	0.943	9.36		0.943	4.44		0.943	7.54		0.943	4		0.943
BARIUM	7440-39-3	59000	16000	1300	45.4	11.1		0.04	9.01		0.04	11.5		0.04	9.46	J	0.04	11.9	J	0.04	7.48	J	0.04	20.9	J	0.04	12.4	J	0.04	9.77	J	0.04
BERYLLIUM	7440-41-7	140	16	0.5	*0.705*		U	0.068		U	0.068		U	0.068		U	0.068		U	0.068		U	0.068		U	0.068	0.127	J	0.068	0.217	J	0.068
CALCIUM	7440-70-2	NA	NA	NA	73500		U	6.13		U	6.13		U	6.13	17.2	J	6.13	133		6.13	46.8		6.13	1060		6.13	142		6.13	23.2		6.13
CHROMIUM	7440-47-3	NA	NA	NA	73.2	8.13		0.583	5.78		0.583	10.5		0.583	8.24		0.583	11.2		0.583	19.3		0.583	28.3		0.583	15.6		0.583	35.9		0.583
COBALT	7440-48-4	590	1600	59	6.63		U	0.19		U	0.19	0.72		0.19	0.322	J	0.19	0.326	J	0.19	1.04		0.19	2.07		0.19	0.578		0.19	0.456	J	0.19
IRON	7439-89-6	NA	NA	NA	41700	3640		4.71	3810		4.71	7120		4.71	6360		4.71	6830		4.71	8490		4.71	17800		4.71	19700		4.71	18500		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	4850	95	J	2.54	106	J	2.54	138	J	2.54	101	J	2.54	136		2.54	104		2.54	624		2.54	188		2.54	177		2.54
MANGANESE	7439-96-5	5900	11000	42	*275*	13.3		0.056	16.6		0.056	20.5		0.056	21.5	J	0.056	19.4		0.056	17		0.056	44		0.056	22.1		0.056	21.9		0.056
MERCURY	7439-97-6	65	23	0.1	*1*		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012	0.0362	J	0.012		U	0.012	0.0124	J	0.012
NICKEL	7440-02-0	23000	1600	31	23.8	0.987	J	0.18	0.89	J	0.18	2.07		0.18	0.986	J	0.18	1.44		0.18	13.8		0.18	15.3		0.18	2.25		0.18	2.4		0.18
POTASSIUM	2023695	NA	NA	NA	705	304		13.1	288		13.1	332		13.1	309	J	13.1	252		13.1	179		13.1	368		13.1	359		13.1	468		13.1
SELENIUM	7782-49-2	5700	390	7	ND		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	0.399		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18
SODIUM	7440-23-5	NA	NA	NA	683		U	37.3		U	37.3		U	37.3		U	37.3		U	37.3		U	37.3	67.3	J	37.3		U	37.3		U	37.3
THALLIUM	7440-28-0	79	5	3	2.39		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45
VANADIUM	7440-62-2	1100	78	NA	182	10.8	J	0.17	11.3	J	0.17	19.4	J	0.17	13.9		0.17	18.6		0.17	10.4		0.17	42.8		0.17	40		0.17	70.8		0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-10-0-0.5			SRI-SS-10-3.5-4.0			SRI-SS-11-0-0.5			SRI-SS-11-3.5-4.0			SRI-SS-12-0-0.5			SRI-SS-12-3.5-4.0			SRI-SS-13-0-0.5			SRI-SS-13-3.5-4.0			SRI-SS-14-0-0.5		
						5718630			5718631			5718632			5718633			5719954			5719955			5718634			5718635			5718636		
						07/07/09			07/07/09			07/07/09			07/07/09			07/08/09			07/08/09			07/07/09			07/07/09			07/07/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	0.988		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14		U	0.14
COPPER	7440-50-8	45000	3100	7300	540	5.65		0.2	2.09		0.2	6.5		0.2	7.5		0.2	19.6		0.2	1.01	J	0.2	14.4		0.2	5.13		0.2	6.72		0.2
LEAD	7439-92-1	800	400	59	*140*	3.29		0.591	4.2		0.591	3.1		0.591	7.17		0.591	4.27		0.591		U	0.591	3.56		0.591	7.77		0.591	7.66		0.591
ZINC	7440-66-6	110000	23000	600	*711*	8.34		0.655	15.8		0.655	15.8		0.655	36.9		0.655	11.2	J	0.655	1.77	J	0.655	12.3		0.655	14.2		0.655	30.5		0.655
ALUMINUM	7429-90-5	NA	78000	3900	*8860*	1830	J	5.03	3610	J	5.03	1180	J	5.03	7930	J	5.03	1350		5.03	251		5.03	1490	J	5.03	2370	J	5.03	4730	J	5.03
ANTIMONY	7440-36-0	450	31	6	2		U	0.994		U	0.994		U	0.994	1.77	J	0.994		U	0.994		U	0.994		U	0.994		U	0.994		U	0.994
ARSENIC	7440-38-2	19	19	19	15.9	1.15	J	0.943	3.47		0.943		U	0.943	8.99		0.943		U	0.943		U	0.943		U	0.943	1.62	J	0.943	2.52		0.943
BARIUM	7440-39-3	59000	16000	1300	45.4	6.46	J	0.04	7.3	J	0.04	5.13	J	0.04	12.5		0.04	5.81		0.04	1.6		0.04	4.04	J	0.04	17.4	J	0.04	7.81	J	0.04
BERYLLIUM	7440-41-7	140	16	0.5	*0.705*		U	0.068		U	0.068		U	0.068	0.705		0.068		U	0.068		U	0.068		U	0.068		U	0.068		U	0.068
CALCIUM	7440-70-2	NA	NA	NA	73500	21.8	J	6.13	21.3	J	6.13	24.4		6.13	54.9		6.13	60.4		6.13		U	6.13	25.6		6.13	43.3		6.13	27.7		6.13
CHROMIUM	7440-47-3	NA	NA	NA	73.2	5.22		0.583	14.4		0.583	3.15		0.583	73.2		0.583	3.21	J	0.583	0.741	J	0.583	3.51		0.583	20.2		0.583	9.41		0.583
COBALT	7440-48-4	590	1600	59	6.63		U	0.19	0.316	J	0.19		U	0.19	0.878		0.19		U	0.19	0.239	J	0.19		U	0.19		U	0.19	0.398	J	0.19
IRON	7439-89-6	NA	NA	NA	41700	3870		4.71	10500		4.71	1560		4.71	41700		4.71	1490		4.71	329		4.71	2210		4.71	1560		4.71	11100		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	4850	90.4		2.54	105		2.54	49.3		2.54	218		2.54	53.3	R	2.54	11.9	R	2.54	79.6		2.54	69.3		2.54	244		2.54
MANGANESE	7439-96-5	5900	11000	42	*275*	11		0.056	19.6		0.056	12		0.056	23.5		0.056	5.96	J	0.056	0.689	J	0.056	9.04		0.056	11.1		0.056	25.4		0.056
MERCURY	7439-97-6	65	23	0.1	*1*		U	0.012		U	0.012		U	0.012		U	0.012		U	0.012	0.0289		0.012	0.0159	J	0.012		U	0.012	0.0128	J	0.012
NICKEL	7440-02-0	23000	1600	31	23.8	0.742	J	0.18	2.03		0.18	0.367	J	0.18	6.22		0.18		U	0.18		U	0.18	0.934	J	0.18	0.55	J	0.18	2.15		0.18
POTASSIUM	2023695	NA	NA	NA	705	138		13.1	257		13.1	136		13.1	533		13.1	158	J	13.1	33.2	J	13.1	106		13.1	481		13.1	247		13.1
SELENIUM	7782-49-2	5700	390	7	ND		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	0.399		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18		U	0.18
SODIUM	7440-23-5	NA	NA	NA	683		U	37.3		U	37.3		U	37.3		U	37.3		U	37.3		U	37.3		U	37.3		U	37.3		U	37.3
THALLIUM	7440-28-0	79	5	3	2.39		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45		U	1.45
VANADIUM	7440-62-2	1100	78	NA	182	7.95		0.17	40.4		0.17	4.96		0.17	157		0.17	4.53		0.17	0.815		0.17	8.25		0.17	19.6		0.17	18.2		0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-14-3.5-4.0			SRI-SS-15-0-0.5			SRI-SS-15-3.5-4.0			SRI-SS-16-0-0.5			SRI-SS-16-0.5-1.0			SRI-SS-16-3.5-4.0			SRI-SS-17-Surface			SRI-SS-18-Base			SRI-SS-18-Surface		
						5718637			5718638			5718639			5755893			5758439			5755894			5719958			5719957			5719956		
						07/07/09			07/07/09			07/07/09			08/20/09			08/20/09			08/20/09			07/08/09			07/08/09			07/08/09		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		3.5' - 4'			0' - 0.5'			3.5' - 4'			0' - 0.5'			0.5' - 4'			3.5' - 4'			0' - 0'			0' - 0'			0' - 0'		
						Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																																
CADMIUM	7440-43-9	78	78	1	0.988		U	0.14		U	0.14		U	0.14				0.244	J	0.14		U	0.14	0.861		0.14	0.853		0.14	0.988		0.14
COPPER	7440-50-8	45000	3100	7300	540	0.883	J	0.2	22.7		0.2	4.51		0.2				97.2	J	0.2	7.55	J	0.2	309		0.2	242		0.2	540		0.2
LEAD	7439-92-1	800	400	59	*140*	3.11		0.591	9.72		0.591	1.85		0.591				8.99		0.591	4.04		0.591	*76.5*		0.591	*94.2*		0.591	*140*		0.591
ZINC	7440-66-6	110000	23000	600	*711*	7.01		0.655	11.5		0.655	7.14		0.655				24.3	J	0.655	4.07	J	0.655	*616*	J	0.655	432	J	0.655	*711*	J	0.655
ALUMINUM	7429-90-5	NA	78000	3900	*8860*	1180	J	5.03	1360	J	5.03	1140	J	5.03				2480		5.03	669		5.03	8400		5.03	8360		5.03	7570		5.03
ANTIMONY	7440-36-0	450	31	6	2		U	0.994		U	0.994		U	0.994					UJ	0.994		UJ	0.994	2		0.994		U	0.994		U	0.994
ARSENIC	7440-38-2	19	19	19	15.9		U	0.943		U	0.943		U	0.943				2.35		0.943		U	0.943	2.25		0.943	3.15		0.943	4.81		0.943
BARIUM	7440-39-3	59000	16000	1300	45.4	3.54	J	0.04	4.63	J	0.04	3.88	J	0.04				5.85	J	0.04	2.91	J	0.04	31.7		0.04	35.4		0.04	45.4		0.04
BERYLLIUM	7440-41-7	140	16	0.5	*0.705*		U	0.068		U	0.068		U	0.068				0.179	J	0.068		U	0.068	0.266	J	0.068	0.424	J	0.068	0.322	J	0.068
CALCIUM	7440-70-2	NA	NA	NA	73500	9.6	J	6.13	26.2		6.13	17.6	J	6.13				45.2	J	6.13		U	6.13	27200		6.13	68300		6.13	73500		6.13
CHROMIUM	7440-47-3	NA	NA	NA	73.2	4.58		0.583	3.93		0.583	3.46		0.583				6.42	J	0.583	1.8	J	0.583	27.4	J	0.583	59.2	J	0.583	37.9	J	0.583
COBALT	7440-48-4	590	1600	59	6.63		U	0.19		U	0.19		U	0.19				0.428		0.19		U	0.19	5.27		0.19	3.38		0.19	6.63		0.19
IRON	7439-89-6	NA	NA	NA	41700	3190		4.71	6710		4.71	2280		4.71				11300		4.71	1400		4.71	17300		4.71	11700		4.71	34300		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	4850	67.1		2.54	73.2		2.54	49.5		2.54				148		2.54	40.1		2.54	3130	R	2.54	4850	R	2.54	4060	R	2.54
MANGANESE	7439-96-5	5900	11000	42	*275*	7.76		0.056	11.2		0.056	4.7		0.056				33.7	J	0.056	6.92	J	0.056	151	J	0.056	159	J	0.056	275	J	0.056
MERCURY	7439-97-6	65	23	0.1	*1*		U	0.012	0.0283	J	0.012		U	0.012					U	0.012		U	0.012	0.741		0.012	1		0.012	0.787		0.012
NICKEL	7440-02-0	23000	1600	31	23.8	0.503	J	0.18	0.638	J	0.18	0.392	J	0.18				1.67	J	0.18	0.386	J	0.18	20.2		0.18	23.8		0.18	19.9		0.18
POTASSIUM	2023695	NA	NA	NA	705	162		13.1	121		13.1	85.8		13.1				299		13.1	97.7		13.1	518	J	13.1	349	J	13.1	523	J	13.1
SELENIUM	7782-49-2	5700	390	7	ND		U	0.979		U	0.979		U	0.979					U	0.979		U	0.979		U	0.979		U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	0.399		U	0.18		U	0.18		U	0.18					U	0.18		U	0.18		U	0.18		U	0.18	0.285	J	0.18
SODIUM	7440-23-5	NA	NA	NA	683		U	37.3		U	37.3		U	37.3					U	37.3		U	37.3	683		37.3	281		37.3	319		37.3
THALLIUM	7440-28-0	79	5	3	2.39		U	1.45		U	1.45		U	1.45					U	1.45		U	1.45		U	1.45		U	1.45	2.39	J	1.45
VANADIUM	7440-62-2	1100	78	NA	182	9.22		0.17	6.59		0.17	5.6		0.17				18.9	J	0.17	4.15	J	0.17	43.7		0.17	25.8		0.17	25.4		0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-2
Analytical Results Summary Tables – SRI Phase 1
Soil Sampling in Locations Peripheral to Former CPS Production (Phase 1 Task 4)
CPS/Madison Superfund Site
Old Bridge, New Jersey

CHEMICAL NAME	CAS #	NJDEP Soil Remediation Standards			Maximum Detected Conc. (mg/kg)	SRI-SS-19-0-0.5			SRI-SS-19-0-0.5-7			SRI-SS-19-3.5-4.0			SRI-SS-20-0-0.5			SRI-SS-20-3.5-4.0		
						5719959			5719961			5719960			5719962			5719963		
						07/08/09			07/08/09			07/08/09			07/08/09			07/08/09		
						0' - 0.5'			0' - 0.5'			3.5' - 4'			0' - 0.5'			3.5' - 4'		
		Non-residential (mg/kg)	Residential (mg/kg)	Impact to Groundwater (Default Values) (mg/kg)		Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)	Conc. (mg/kg)	Interpreted Qualifier	MDL (mg/kg)
INORGANICS																				
CADMIUM	7440-43-9	78	78	1	0.988		U	0.14		U	0.14		U	0.14	0.96		0.14		U	0.14
COPPER	7440-50-8	45000	3100	7300	540	4.55	J	0.2	11.5	J	0.2	1.17		0.2	240		0.2	1.72		0.2
LEAD	7439-92-1	800	400	59	*140*	8.88	J	0.591	12.7	J	0.591	2.61		0.591	55.6		0.591	3.62		0.591
ZINC	7440-66-6	110000	23000	600	*711*	12.5	J	0.655	28	J	0.655	8.23	J	0.655	573	J	0.655	7.89	J	0.655
ALUMINUM	7429-90-5	NA	78000	3900	*8860*	8860		5.03	7170		5.03	4540		5.03	8110		5.03	5290		5.03
ANTIMONY	7440-36-0	450	31	6	2		U	0.994		U	0.994		U	0.994		U	0.994		U	0.994
ARSENIC	7440-38-2	19	19	19	15.9	1.3	J	0.943	2.81		0.943		U	0.943	1.85	J	0.943		U	0.943
BARIUM	7440-39-3	59000	16000	1300	45.4	26.3	J	0.04	40.9	J	0.04	8.67		0.04	26.1		0.04	11.3		0.04
BERYLLIUM	7440-41-7	140	16	0.5	*0.705*	0.191	J	0.068	0.223	J	0.068		U	0.068	0.366	J	0.068	0.0989	J	0.068
CALCIUM	7440-70-2	NA	NA	NA	73500	111	R	6.13	504	R	6.13	27.4		6.13	3060		6.13	59.2		6.13
CHROMIUM	7440-47-3	NA	NA	NA	73.2	7.05	J	0.583	11.4	J	0.583	6.36	J	0.583	9.13	J	0.583	9.16	J	0.583
COBALT	7440-48-4	590	1600	59	6.63	0.402	J	0.19	1.21		0.19	0.439	J	0.19	4.93		0.19	0.637		0.19
IRON	7439-89-6	NA	NA	NA	41700	4590	J	4.71	12600	J	4.71	1560		4.71	13900		4.71	2270		4.71
MAGNESIUM	7439-95-4	NA	NA	NA	4850	104	R	2.54	751	R	2.54	210	R	2.54	2220	R	2.54	368	R	2.54
MANGANESE	7439-96-5	5900	11000	42	*275*	16.3	J	0.056	26.4	J	0.056	11.1	J	0.056	87.6	J	0.056	19.4	J	0.056
MERCURY	7439-97-6	65	23	0.1	*1*	0.0188	J	0.012	0.0202	J	0.012	0.0211	J	0.012		U	0.012		U	0.012
NICKEL	7440-02-0	23000	1600	31	23.8	4.43		0.18	4.08		0.18	2.4		0.18	8.75		0.18	2.89		0.18
POTASSIUM	2023695	NA	NA	NA	705	415	J	13.1	334	J	13.1	365	J	13.1	342	J	13.1	459	J	13.1
SELENIUM	7782-49-2	5700	390	7	ND		U	0.979		U	0.979		U	0.979		U	0.979		U	0.979
SILVER	7440-22-4	5700	390	1	0.399		U	0.18		U	0.18		U	0.18	0.273	J	0.18		U	0.18
SODIUM	7440-23-5	NA	NA	NA	683		U	37.3	63.7	J	37.3		U	37.3	583		37.3		U	37.3
THALLIUM	7440-28-0	79	5	3	2.39		U	1.45		U	1.45		U	1.45	1.77	J	1.45		U	1.45
VANADIUM	7440-62-2	1100	78	NA	182	15.1	J	0.17	26.1	J	0.17	4.81		0.17	25		0.17	8.35		0.17

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

0.12 - Detected concentration exceeds the Impact to Groundwater Default

No impact to groundwater comparison for samples below 2 feet

12 - Detected concentration exceeds the Residential Standard

120 - Detected concentration exceeds the Non-Residential Standard

Table B-3
Analytical Results Summary Tables – SRI Phase 1
Direct-Push GW Sampling at Downgradient Boundary of Madison Site (Phase 1 Task 5)

CHEMICAL NAME	CAS #	NJDEP Class II-A Groundwater Quality Standards (GWQS) (ug/L)	Maximum Detected Conc. (ug/L)	SRI-DGT-1-15			SRI-DGT-1-30			SRI-DGT-3-15			SRI-DGT-2-15			SRI-DGT-2-30			SRI-DGT-2-45			SRI-DGT-3-15			SRI-DGT-3-30			SRI-DGT-3-45			SRI-DGT-4-15			SRI-DGT-4-30			SRI-DGT-4-45			SRI-DGT-5-15			SRI-DGT-5-30			SRI-DGT-5-45		
				5720939			5720941			5720943			23562			23563			23564			23572			23573			23574			23642			23643			23644			23646			23649			5726261		
				07/09/09			07/09/09			07/09/09			07/09/09			07/09/09			07/09/09			07/13/09			07/13/09			07/13/09			07/15/09			07/15/09			07/15/09			07/16/09			07/16/09			07/16/09		
				14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'		
				Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)
VOLATILE ORGANIC COMPOUNDS																																																	
1,1,1,2-TETRACHLOROETHANE	630-20-6	1	ND										U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07
1,1,1-TRICHLOROETHANE	71-55-6	30	ND	U		0.8	U		0.8	U		0.8	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06
1,1,2,2-TETRACHLOROETHANE	79-34-5	1	13.42	U		1	U		1	U		1	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
1,1,2-TRICHLOROETHANE	79-00-5	3	ND	U		0.8	U		0.8	U		0.8	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11
1,1-DICHLOROETHANE	75-34-3	50	0.44	U		1	U		1	U		1	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04
1,1-DICHLOROETHYLENE	75-35-4	1	2.94	U		0.8	U		0.8	U		0.8	0.03	J	0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	1.05		0.08	1.66		0.08	0.72		0.08	U		0.08
1,1-DICHLOROPROPYLENE	563-58-6	NA	ND										U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07
1,2,3-TRICHLOROBENZENE	87-61-6	NA	1.41										0.33	J	0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03
1,2,3-TRICHLOROPROPANE	96-18-4	0.005	ND										U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
1,2,4-TRICHLOROBENZENE	120-82-1	9	27.5	U		1	U		1	U		1	0.35	J	0.03	0.06	J	0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03
1,2,4-TRIMETHYLBENZENE	95-63-6	NA	0.18										0.18		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02
1,2-CIS-DICHLOROETHYLENE	156-59-2	70	17.75	U		0.8	U		0.8	U		0.8	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.02	ND	UJ		2	UJ		2	UJ		2	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39	U		0.39
1,2-DIBROMOETHANE	106-93-4	0.0004	ND	U		1	U		1	U		1	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
1,2-DICHLOROBENZENE	95-50-1	600	9.84	U		1	U		1	U		1	0.22		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03
1,2-DICHLOROETHANE	107-06-2	0.3	14.01	U		1	U		1	U		1		U	0.05	U		0.05	U		0.05	U		0.05	0.18		0.05	U		0.05	1.47		0.05	U		0.05	U		0.05	0.27		0.05	0.26		0.05	U		0.05
1,2-DICHLOROPROPANE	78-87-5	0.5	ND	U		1	U		1	U		1		U	0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07
1,2-TRANS-DICHLOROETHYLENE	156-60-5	100	3.73	U		0.8	U		0.8	U		0.8		U	0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07
1,3,5-TRIMETHYLBENZENE	108-67-8	NA	0.18										0.18		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	ND	U		1	U		1	U		1		U	0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12
1,3-DICHLOROBENZENE	541-73-1	600	10.22	U		1	U		1	U		1	0.22		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02
1,3-DICHLOROPROPANE	142-28-9	NA	ND											U	0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	ND	U		1	U		1	U		1		U	0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04
1,4-DICHLOROBENZENE	106-46-7	75	21.9	U		1	U		1	U		1	0.28		0.03	0.08		0.03	U		0.03	U		0.03	U		0.03	0.1		0.03	U		0.03	U		0.03	U		0.03	0.1		0.03	U		0.03	U		0.03
1-CHLOROBUTANE	109-69-3	NA	4.03										0.11		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03
2,2-DICHLOROPROPANE	594-20-7	NA	ND											U	0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06
2-CHLOROTOLUENE	95-49-8	NA	2.76										0.22		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03
2-HEXANONE	591-78-6	300	1.81											U	0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06
3-CHLOROPROPENE	107-05-1	NA	ND											U	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
ACETONE	67-64-1	6000	9.78	UJ		6	UJ		6	UJ		6	1.85	J	0.24	U		0.24	3.39	J	0.24	UJ		0.24	UJ		0.24	UJ		0.24	1.76	J	0.24	U		0.24	1.35	J	0.24	U		0.24	U		0.24	1.67	J	0.24
ACETONITRILE	75-05-8	100	ND											U	0.52	U		0.52	U		0.52	U		0.52	U		0.52	U		0.52	U		0.52	U		0.52	U		0.52	U		0.52	U		0.52	U		0.52
ACROLEIN	107-02-8	4	ND	U		40	U		40	U		40		R	0.05	R		0.05	R		0.05	R		0.05	R		0.05	R		0.05	R		0.05	R		0.05	R		0.05	R		0.05	R		0.05	R		0.05
ACRYLONITRILE	107-13-1	0.06	ND	U		4	U		4	U		4		R	0.17	R		0.17	R		0.17	R		0.17	R		0.17	R		0.17	R		0.17	R		0.17	R		0.17	R		0.17	R		0.17	R		0.17
BENZENE	71-43-2	0.2	31.7	U		0.5	U		0.5	U		0.5	0.13		0.04	0.04	J	0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	0.38		0.04	0.16		0.04	U		0.04
BROMOBENZENE	108-86-1	NA	0.16										0.16		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04
BROMOCHLOROMETHANE	74-97-5	NA	ND											U	0.09	U		0.09	U		0.09	U		0.09	U		0.09	U		0.09	U		0.09	U		0.09	U		0.09	U		0.09	U		0.09	U		0.09
BROMOFORM	75-25-2	4	ND	U		1	U		1	U		1		U	0.25	U		0.25	U		0.25	U		0.25	U		0.25	U		0.25	U		0.25	U		0.25	U		0.25	U		0.25	U		0.25	U		0.25
CARBON DISULFIDE	75-15-0	700	4.39	U		1	U		1	U		1		U	0.02	U		0.02	U		0.02	U		0.02	0.17		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	0.09	J	0.02	U		0.02
CARBON TETRACHLORIDE	56-23-5	0.4	ND	U		1	U		1	U		1		U	0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03
CHLOROBENZENE	108-90-7	50	127.3	U		0.8	U		0.8	U		0.8	0.18		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03
CHLORODIBROMOMETHANE	124-48-1	0.4	ND	U		1	U		1	U		1		U	0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08
CHLOROETHANE	75-00-3	5	ND	U		1	U		1	U		1		U	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26
CHLOROFORM	67-66-3	70	39	U		0.8	2		0.8	39		0.8		U	0.03	0.83		0.03	U		0.03	0.28		0.03	0.09		0.03	0.5		0.03	0.78		0.03	0.16		0.03	0.19		0.03	0.17		0.03	0.35		0.03	0.22		0.03
DICHLOROBROMOMETHANE	75-27-4	0.6	6	U		1	U		1	6		1		U	0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04
DICHLORODIFLUOROMETHANE	75-71-8	1000	ND	UJ		2	UJ		2	UJ		2		U	0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	R		0.12	R		0.12	R		0.12	R		0.12	R		0.12	R		0.12
DIETHYL ETHER	60-29-7	1000	119.7											U	0.11	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11	U		0.11	9.44		0.11	3.76		0.11	U		0.11
ETHYL METHACRYLATE	97-63-2	NA	ND											U	0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06
ETHYLBENZENE	100-41-4	700	7.37	U		0.8	U		0.8	U		0.8	0.17		0.01	0.03		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01
ISOPROPYLBENZENE	98-82-8	700	0.13										0.13		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02
M+P-XYLENE	179601-23-1	NA	0.31										0.31		0.04	0.04	J	0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04
METHACRYLONITRILE	126-98-7	NA	ND											R	0.22	R		0.22	R		0.22	R		0.22	R		0.22	R		0.22	R		0.22	R		0.22	R		0.22	R		0.22	R		0.22	R		0.22
METHYL ACETATE	79-20-9	7000	ND	U		1	U		1	U		1		U	0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04
METHYL ACRYLATE	96-33-3	NA	ND											U	0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06	U		0.06
METHYL BROMIDE	74-83-9	10	5.3	U		1	U		1	U		1		U	0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12
METHYL CHLORIDE	74-87-3	NA	ND	U		1	U		1	U		1		U	0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04
METHYL ETHYL KETONE	78-93-3	300	14.14	U		3	U		3	U		3		U	0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14
METHYL IODIDE	74-88-4	NA	ND											U	0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08
METHYL ISOBUTYL KETONE	108-10-1	NA	ND	U		3	U		3	U		3		U	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
METHYL METHACRYLATE	80-62-6	NA	ND											U	0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12	U		0.12
METHYLENE BROMIDE	74-95-3	NA	ND											U	0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04
METHYLENE CHLORIDE	75-09-2	3	ND	U		2	U		2	U		2		U	0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26	U		0.26
METHYL-T-BUTYL ETHER	1634-04-4	70	5.46	U		0.5	U		0.5	U		0.5		U	0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	0.1		0.04
N-BUTYLBENZENE	104-51-8	NA	0.23										0.23		0.02	0.1		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02
N-PROPYLBENZENE	103-65-1	NA	0.2										0.2		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02
O-XYLENE	95-47-6	NA	1.66										0.09		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04
P-CHLOROTOLUENE	106-43-4	NA	0.26										0.22		0.03	U		0.03	U		0.03	U		0.03	U		0.03	0.05		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03
PENTACHLOROETHANE	76-01-7	NA	ND											U	0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08
P-ISOPROPYLTOLUENE	99-87-6	NA	0.19										0.19		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02	U		0.02
PROPANENITRILE	107-12-0	NA	ND											R	0.46	R		0.46	R		0.46	R		0.46	R		0.46	R		0.46	R		0.46	R		0.46	R		0.46	R		0.46	R		0.46	R		0.46
SEC-BUTYLBENZENE	135-98-8	NA	0.17										0.17		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01	U		0.01
STYRENE	100-42-5	100	ND	U		1	U		1	U		1		U	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05
t-Butyl Alcohol	75-65-0	100	0.5	U		10	U		10	U		10		R	0.59	R		0.59	R		0.59	R		0.59	R		0.59	R		0.59	R		0.59	R		0.59	R		0.59	R		0.59	R		0.59	R		0.59
TERT-BUTYLBENZENE	98-06-6	NA	0.15										0.15		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03
TETRACHLOROETHYLENE	127-18-4	0.4	0.27	U		0.8	U		0.8	U		0.8	0.27		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03	U		0.03
TETRAHYDROFURAN	109-99-9	10	ND											R	0.52	R		0.52	R		0.52	R		0.52	R		0.52	R		0.52	R		0.52	R		0.52	R		0.52	R		0.52	R		0.52	R		0.52
TOLUENE	108-88-3	600	1.06	U		0.7	U		0.7	U		0.7	0.18		0.03	0.05		0.03	U		0.03	U		0.03	U		0.03	0.06		0.03	U		0.03	U		0.03	U		0.03	0.06		0.03	0.15		0.03	U		0.03
TRANS-1,4-DICHLORO-2-BUTENE	110-57-6	NA	ND											U	0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14	U		0.14
TRICHLOROETHYLENE	79-01-6	1	2.16	U		1	U		1	U		1		U	0.08	U		0.08	U		0.08	U		0.08	U		0.08	U		0.08	0.38		0.08	0.23		0.08	0.53		0.08	0.22		0.08	U		0.08
TRICHLOROFLUOROMETHANE	75-69-4	2000	ND	UJ		2	UJ		2	UJ		2		U	0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07	U		0.07
VINYL CHLORIDE	75-01-4	0.08	6.27	U		1	U		1	U		1		U	0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	U		0.05	0.55	J	0.05	U		0.05	U		0.05
XYLENES,TOTAL	1330-20-7	1000	ND	U		0.8	U		0.8	U		0.8																																					

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

2.16 - Detected concentration exceeds the NJDEP GWQS

Table B-3
Analytical Results Summary Tables – SRI Phase 1
Direct-Push GW Sampling at Downgradient Boundary of Madison Site (Phase 1 Task 5)

CHEMICAL NAME	CAS #	NJDEP Class II-A Groundwater Quality Standards (GWQS) (ug/L)	Maximum Detected Conc. (ug/L)	SRI-DGT-5-60			SRI-DGT-5-75		
				23744			23661		
				07/22/09			07/17/09		
				59' - 61'			74' - 76'		
				Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)
VOLATILE ORGANIC COMPOUNDS									
1,1,1,2-TETRACHLOROETHANE	630-20-6	1	ND		U	0.07		U	0.07
1,1,1-TRICHLOROETHANE	71-55-6	30	ND		U	0.06		U	0.06
1,1,2,2-TETRACHLOROETHANE	79-34-5	1	13.42		U	0.05		U	0.05
1,1,2-TRICHLOROETHANE	79-00-5	3	ND		U	0.11		U	0.11
1,1-DICHLOROETHANE	75-34-3	50	0.44		U	0.04		U	0.04
1,1-DICHLOROETHYLENE	75-35-4	1	2.94	1.92		0.08	1.29	J	0.08
1,1-DICHLOROPROPYLENE	563-58-6	NA	ND		U	0.07		U	0.07
1,2,3-TRICHLOROBENZENE	87-61-6	NA	1.41	0.11	J	0.03		UJ	0.03
1,2,3-TRICHLOROPROPANE	96-18-4	0.005	ND		U	0.05		U	0.05
1,2,4-TRICHLOROBENZENE	120-82-1	9	27.5	0.14	J	0.03		UJ	0.03
1,2,4-TRIMETHYLBENZENE	95-63-6	NA	0.18		U	0.02		U	0.02
1,2-CIS-DICHLOROETHYLENE	156-59-2	70	17.75		U	0.07	0.19		0.07
1,2-DIBROMO-3-CHLOROPROPANE	96-12-8	0.02	ND		R	0.39		R	0.39
1,2-DIBROMOETHANE	106-93-4	0.0004	ND		U	0.05		U	0.05
1,2-DICHLOROBENZENE	95-50-1	600	9.84	0.12		0.03		U	0.03
1,2-DICHLOROETHANE	107-06-2	0.3	14.01	0.28		0.05	1.09		0.05
1,2-DICHLOROPROPANE	78-87-5	0.5	ND		U	0.07		U	0.07
1,2-TRANS-DICHLOROETHYLENE	156-60-5	100	3.73		U	0.07		U	0.07
1,3,5-TRIMETHYLBENZENE	108-67-8	NA	0.18		U	0.03		U	0.03
1,3-CIS-DICHLOROPROPYLENE	10061-01-5	NA	ND		U	0.12		U	0.12
1,3-DICHLOROBENZENE	541-73-1	600	10.22		U	0.02		U	0.02
1,3-DICHLOROPROPANE	142-28-9	NA	ND		U	0.04		U	0.04
1,3-TRANS-DICHLOROPROPYLENE	10061-02-6	NA	ND		U	0.04		U	0.04
1,4-DICHLOROBENZENE	106-46-7	75	21.9	0.11		0.03		U	0.03
1-CHLOROBUTANE	109-69-3	NA	4.03		U	0.03		U	0.03
2,2-DICHLOROPROPANE	594-20-7	NA	ND		U	0.06		U	0.06
2-CHLOROTOLUENE	95-49-8	NA	2.76		U	0.03		U	0.03
2-HEXANONE	591-78-6	300	1.81		U	0.06		U	0.06
3-CHLOROPROPENE	107-05-1	NA	ND		U	0.05		U	0.05
ACETONE	67-64-1	6000	9.78	2.66	J	0.24		U	0.24
ACETONITRILE	75-05-8	100	ND		U	0.52		U	0.52
ACROLEIN	107-02-8	4	ND		R	0.05		R	0.05
ACRYLONITRILE	107-13-1	0.06	ND		R	0.17		R	0.17
BENZENE	71-43-2	0.2	31.7	0.28		0.04	1.38		0.04
BROMOBENZENE	108-86-1	NA	0.16		U	0.04		U	0.04
BROMOCHLOROMETHANE	74-97-5	NA	ND		U	0.09		U	0.09
BROMOFORM	75-25-2	4	ND		U	0.25		U	0.25
CARBON DISULFIDE	75-15-0	700	4.39	0.15	J	0.02		U	0.02
CARBON TETRACHLORIDE	56-23-5	0.4	ND		U	0.03		U	0.03
CHLOROBENZENE	108-90-7	50	127.3		U	0.03		U	0.03
CHLORODIBROMOMETHANE	124-48-1	0.4	ND		U	0.08		U	0.08
CHLOROETHANE	75-00-3	5	ND		U	0.26		U	0.26
CHLOROFORM	67-66-3	70	39	0.22		0.03		U	0.03
DICHLOROBROMOMETHANE	75-27-4	0.6	6		U	0.04		U	0.04
DICHLORODIFLUOROMETHANE	75-71-8	1000	ND		R	0.12		U	0.12
DIETHYL ETHER	60-29-7	1000	119.7	3.53	J	0.11	119.7		0.89
ETHYL METHACRYLATE	97-63-2	NA	ND		U	0.06		U	0.06
ETHYLBENZENE	100-41-4	700	7.37		U	0.01		U	0.01
ISOPROPYLBENZENE	98-82-8	700	0.13		U	0.02		U	0.02
M+P-XYLENE	179601-23-1	NA	0.31	0.08		0.04		U	0.04
METHACRYLONITRILE	126-98-7	NA	ND		R	0.22		R	0.22
METHYL ACETATE	79-20-9	7000	ND		U	0.04		U	0.04
METHYL ACRYLATE	96-33-3	NA	ND		U	0.06		U	0.06
METHYL BROMIDE	74-83-9	10	5.3		U	0.12		U	0.12
METHYL CHLORIDE	74-87-3	NA	ND		R	0.04		U	0.04
METHYL ETHYL KETONE	78-93-3	300	14.14		U	0.14		U	0.14
METHYL IODIDE	74-88-4	NA	ND		U	0.08		U	0.08
METHYL ISOBUTYL KETONE	108-10-1	NA	ND		U	0.05		U	0.05
METHYL METHACRYLATE	80-62-6	NA	ND		U	0.12		U	0.12
METHYLENE BROMIDE	74-95-3	NA	ND		U	0.04		U	0.04
METHYLENE CHLORIDE	75-09-2	3	ND		UJ	0.26		UJ	0.26
METHYL-T-BUTYL ETHER	1634-04-4	70	5.46		U	0.04		U	0.04
N-BUTYLBENZENE	104-51-8	NA	0.23		U	0.02		U	0.02
N-PROPYLBENZENE	103-65-1	NA	0.2		U	0.02		U	0.02
O-XYLENE	95-47-6	NA	1.66		U	0.04		U	0.04
P-CHLOROTOLUENE	106-43-4	NA	0.26		U	0.03		U	0.03
PENTACHLOROETHANE	76-01-7	NA	ND		U	0.08		U	0.08
P-ISOPROPYLTOLUENE	99-87-6	NA	0.19		U	0.02		U	0.02
PROPANENITRILE	107-12-0	NA	ND		R	0.46		R	0.46
SEC-BUTYLBENZENE	135-98-8	NA	0.17		U	0.01		U	0.01
STYRENE	100-42-5	100	ND		U	0.05		U	0.05
t-Butyl Alcohol	75-65-0	100	0.5		R	0.59		R	0.59
TERT-BUTYLBENZENE	98-06-6	NA	0.15		U	0.03		U	0.03
TETRACHLOROETHYLENE	127-18-4	0.4	0.27		U	0.03		U	0.03
TETRAHYDROFURAN	109-99-9	10	ND		R	0.52		R	0.52
TOLUENE	108-88-3	600	1.06	0.03	J	0.03		U	0.03
TRANS-1,4-DICHLORO-2-BUTENE	110-57-6	NA	ND		U	0.14		U	0.14
TRICHLOROETHYLENE	79-01-6	1	2.16	0.53		0.08	0.56		0.08
TRICHLOROFLUOROMETHANE	75-69-4	2000	ND		U	0.07		U	0.07
VINYL CHLORIDE	75-01-4	0.08	6.27		U	0.05	1.28	J	0.05
XYLENES,TOTAL	1330-20-7	1000	ND		U	0.8			

CHEMICAL NAME	SRI-DGT-5-100			SRI-DGT-6-15			SRI-DGT-6-30			SRI-DGT-6-45		
	24087			23745			5732863			5732864		
	08/21/09			07/22/09			07/22/09			07/22/09		
	99' - 101'			14' - 16'			29' - 31'			44' - 46'		
	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE		U	0.07		U	0.07		U	0.07		U	0.07
1,1,1-TRICHLOROETHANE		R	0.06		U	0.06		U	0.06		U	0.06
1,1,2,2-TETRACHLOROETHANE		R	0.05	0.61		0.05		U	0.05		U	0.05
1,1,2-TRICHLOROETHANE		U	0.11		U	0.11		U	0.11		U	0.11
1,1-DICHLOROETHANE		R	0.04		U	0.04		U	0.04		U	0.04
1,1-DICHLOROETHYLENE		R	0.08	0.59		0.08	0.74		0.08	2.94		0.08
1,1-DICHLOROPROPYLENE		R	0.07		U	0.07		U	0.07		U	0.07
1,2,3-TRICHLOROBENZENE		R	0.03	1.41	J	0.03		U	0.03		U	0.03
1,2,3-TRICHLOROPROPANE		U	0.05		U	0.05		U	0.05		U	0.05
1,2,4-TRICHLOROBENZENE		R	0.03	5.58	J	0.03		U	0.03		U	0.03
1,2,4-TRIMETHYLBENZENE		U	0.02	0.1		0.02		U	0.02		U	0.02
1,2-CIS-DICHLOROETHYLENE		R	0.07	6.37		0.07		U	0.07	0.29		0.07
1,2-DIBROMO-3-CHLOROPROPANE		R	0.39		R	0.39		R	0.39		R	0.39
1,2-DIBROMOETHANE		U	0.05		U	0.05		U	0.05		U	0.05
1,2-DICHLOROBENZENE		U	0.03	1.84		0.03		U	0.03		U	0.03
1,2-DICHLOROETHANE	0.48		0.05	4.62		0.05		U	0.05	0.45		0.05
1,2-DICHLOROPROPANE		U	0.07		U	0.07		U	0.07		U	0.07
1,2-TRANS-DICHLOROETHYLENE		R	0.07	0.84	J	0.07		U	0.07		U	0.07
1,3,5-TRIMETHYLBENZENE		U	0.03		U	0.03		U	0.03		U	0.03
1,3-CIS-DICHLOROPROPYLENE		U	0.12		U	0.12		U	0.12		U	0.12
1,3-DICHLOROBENZENE		U	0.02	0.54		0.02		U	0.02		U	0.02
1,3-DICHLOROPROPANE		U	0.04		U	0.04		U	0.04		U	0.04
1,3-TRANS-DICHLOROPROPYLENE		U	0.04		U	0.04		U	0.04		U	0.04
1,4-DICHLOROBENZENE		U	0.03	3.87		0.03		U	0.03		U	0.03
1-CHLOROBUTANE		R	0.03	0.31		0.03		U	0.03		U	0.03
2,2-DICHLOROPROPANE		R	0.06		U	0.06		U	0.06		U	0.06
2-CHLOROTOLUENE		U	0.03	0.84		0.03		U	0.03		U	0.03
2-HEXANONE	1.07	J	0.06		U	0.06		U	0.06		U	0.06
3-CHLOROPROPENE		R	0.05		U	0.05		U	0.05		U	0.05
ACETONE		R	0.24		U	0.24	0.98	J	0.24		U	0.24
ACETONITRILE		R	0.52		U	0.52		U	0.52		U	0.52
ACROLEIN		R	0.05		R	0.05		R	0.05		R	0.05
ACRYLONITRILE		R	0.17		R	0.17		R	0.17		R	0.17
BENZENE	1.12		0.04	3.65		0.04	0.08		0.04	2.26		0.04
BROMOBENZENE		U	0.04		U	0.04		U	0.04		U	0.04
BROMOCHLOROMETHANE		R	0.09		U	0.09		U	0.09		U	0.09
BROMOFORM		R	0.25		U	0.25		U	0.25		U	0.25
CARBON DISULFIDE		R	0.02		U	0.02		U	0.02		U	0.02
CARBON TETRACHLORIDE		R	0.03		U	0.03		U	0.03		U	0.03
CHLOROBENZENE		U	0.03	14.7		0.03		U	0.03		U	0.03
CHLORODIBROMOMETHANE		U	0.08		U	0.08		U	0.08		U	0.08
CHLOROETHANE		R	0.26		U	0.26		U	0.26		U	0.26
CHLOROFORM		R	0.03	0.2		0.03	0.21		0.03		U	0.03
DICHLOROBROMOMETHANE		U	0.04		U	0.04		U	0.04		U	0.04
DICHLORODIFLUOROMETHANE		R	0.12		R	0.12		R	0.12		R	0.12
DIETHYL ETHER	19.82	J	0.11		U	0.11	1.05	J	0.11	54	J	0.53
ETHYL METHACRYLATE		U	0.06		U	0.06		U	0.06		U	0.06
ETHYLBENZENE	0.22		0.01	0.93		0.01		U	0.01		U	0.01
ISOPROPYLBENZENE		U	0.02		U	0.02		U	0.02		U	0.02
M+P-XYLENE	0.15		0.04	0.3		0.04		U	0.04		U	0.04
METHACRYLONITRILE		R	0.22		R	0.22		R	0.22		R	0.22
METHYL ACETATE		R	0.04		U	0.04		U	0.04		U	0.04
METHYL ACRYLATE		R	0.06		U	0.06		U	0.06		U	0.06
METHYL BROMIDE		R	0.12	1.07		0.12		U	0.12	5.3		0.12
METHYL CHLORIDE		R	0.04		R	0.04		R	0.04		R	0.04
METHYL ETHYL KETONE	10.93	J	0.14		U	0.14		U	0.14		U	0.14
METHYL IODIDE		R	0.08		U	0.08		U	0.08		U	0.08
METHYL ISOBUTYL KETONE		R	0.05		U	0.05		U	0.05		U	0.05
METHYL METHACRYLATE		U	0.12		U	0.12		U	0.12		U	0.12
METHYLENE BROMIDE		U	0.04		U	0.04		U	0.04		U	0.04
METHYLENE CHLORIDE		UJ	0.26		UJ	0.26		UJ	0.26		UJ	0.26
METHYL-T-BUTYL ETHER		R	0.04	0.66		0.04		U	0.04		U	0.04
N-BUTYLBENZENE		R	0.02		U	0.02		U	0.02		U	0.02
N-PROPYLBENZENE		U	0.02		U	0.02		U	0.02		U	0.02
O-XYLENE	0.08		0.04	0.27		0.04		U	0.04		U	0.04
P-CHLOROTOLUENE		U	0.03	0.26		0.03		U	0.03		U	0.03
PENTACHLOROETHANE		U	0.08		U	0.08		U	0.08		U	0.08
P-ISOPROPYLTOLUENE		R	0.02		U	0.02		U	0.02		U	0.02
PROPANENITRILE		R	0.46		R	0.46		R	0.46		R	0.46
SEC-BUTYLBENZENE		U	0.01		U	0.01		U	0.01		U	0.01
STYRENE		U	0.05		U	0.05		U	0.05		U	0.05
t-Butyl Alcohol		R	0.59		R	0.59		R	0.59		R	0.59
TERT-BUTYLBENZENE		U	0.03		U	0.03		U	0.03		U	0.03
TETRACHLOROETHYLENE		R	0.03		U	0.03		U	0.03		U	0.03
TETRAHYDROFURAN		R	0.52		R	0.52		R	0.52		R	0.52
TOLUENE	0.83		0.03	1.06		0.03		U	0.03	0.12		0.03
TRANS-1,4-DICHLORO-2-BUTENE		R	0.14		U	0.14		U	0.14		U	0.14
TRICHLOROETHYLENE		U	0.08	1.68		0.08	0.29		0.08	0.83		0.08
TRICHLOROFLUOROMETHANE		R	0.07		U	0.07		U	0.07		U	0.07
VINYL CHLORIDE		R	0.05	0.55	J	0.05		U	0.05	3.25	J	0.05
XYLENES,TOTAL												

CHEMICAL NAME	SRI-DGT-7-15			SRI-DGT-7-30			SRI-DGT-7-45			SRI-DGT-7-60		
	23750			23751			23752			5732866		
	07/23/09			07/23/09			07/23/09			07/22/09		
	14' - 16'			29' - 31'			44' - 46'			59' - 61'		
	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE		U	0.07		U	0.07		U	0.07		U	0.07
1,1,1-TRICHLOROETHANE		U	0.06		U	0.06		U	0.06		U	0.06
1,1,2,2-TETRACHLOROETHANE		U	0.05		U	0.05		U	0.05		U	0.05
1,1,2-TRICHLOROETHANE		U	0.11		U	0.11		U	0.11		U	0.11
1,1-DICHLOROETHANE	0.44	J	0.04		U	0.04		U	0.04		U	0.04
1,1-DICHLOROETHYLENE	0.58		0.08	0.24		0.08	0.45		0.08	2.27		0.08
1,1-DICHLOROPROPYLENE		U	0.07		U	0.07		U	0.07		U	0.07
1,2,3-TRICHLOROBENZENE	0.7	J	0.03	0.46	J	0.03	0.54	J	0.03	0.11	J	0.03
1,2,3-TRICHLOROPROPANE		U	0.05		U	0.05		U	0.05		U	0.05
1,2,4-TRICHLOROBENZENE	2.31	J	0.03	1.32	J	0.03	0.94	J	0.03	0.54	J	0.03
1,2,4-TRIMETHYLBENZENE	0.07		0.02		U	0.02		U	0.02		U	0.02
1,2-CIS-DICHLOROETHYLENE	17.75		0.07	0.49		0.07	0.09		0.07		U	0.07
1,2-DIBROMO-3-CHLOROPROPANE		R	0.39		R	0.39		R	0.39		R	0.39
1,2-DIBROMOETHANE		U	0.05		U	0.05		U	0.05		U	0.05
1,2-DICHLOROBENZENE	9.84		0.03	0.75		0.03	0.62		0.03	0.25		0.03
1,2-DICHLOROETHANE	14.01		0.05	0.85		0.05	0.34		0.05	0.33		0.05
1,2-DICHLOROPROPANE		U	0.07		U	0.07		U	0.07		U	0.07
1,2-TRANS-DICHLOROETHYLENE	3.73	J	0.07		U	0.07		U	0.07		U	0.07
1,3,5-TRIMETHYLBENZENE		U	0.03		U	0.03		U	0.03		U	0.03
1,3-CIS-DICHLOROPROPYLENE		U	0.12		U	0.12		U	0.12		U	0.12
1,3-DICHLOROBENZENE	1.25		0.02		U	0.02	0.16		0.02		U	0.02
1,3-DICHLOROPROPANE		U	0.04		U	0.04		U	0.04		U	0.04
1,3-TRANS-DICHLOROPROPYLENE		U	0.04		U	0.04		U	0.04		U	0.04
1,4-DICHLOROBENZENE	5.11		0.03	0.47		0.03	0.74		0.03	0.35		0.03
1-CHLOROBUTANE	4.03	J	0.03		U	0.03		U	0.03		U	0.03
2,2-DICHLOROPROPANE		U	0.06		U	0.06		U	0.06		U	0.06
2-CHLOROTOLUENE	2.76		0.03		U	0.03	0.12		0.03		U	0.03
2-HEXANONE		U	0.06		U	0.06		U	0.06		U	0.06
3-CHLOROPROPENE		U	0.05		U	0.05		U	0.05		U	0.05
ACETONE		U	0.24		U	0.24		U	0.24		U	0.24
ACETONITRILE		U	0.52		U	0.52		U	0.52		U	0.52
ACROLEIN		R	0.05		R	0.05		R	0.05		R	0.05
ACRYLONITRILE		R	0.17		R	0.17		R	0.17		R	0.17
BENZENE	31.7		0.33	0.35		0.04	0.13		0.04	0.15		0.04
BROMOBENZENE		U	0.04		U	0.04		U	0.04		U	0.04
BROMOCHLOROMETHANE		U	0.09		U	0.09		U	0.09		U	0.09
BROMOFORM		U	0.25		U	0.25		U	0.25		U	0.25
CARBON DISULFIDE		U	0.02	0.16	J	0.02	0.31		0.02	0.41	J	0.02
CARBON TETRACHLORIDE		U	0.03		U	0.03		U	0.03		U	0.03
CHLOROBENZENE	127.3		0.23	1.11		0.03	0.76		0.03	0.29		0.03
CHLORODIBROMOMETHANE		U	0.08		U	0.08		U	0.08		U	0.08
CHLOROETHANE		U	0.26		U	0.26		U	0.26		U	0.26
CHLOROFORM		U	0.03	0.22		0.03	0.16		0.03	0.33		0.03
DICHLOROBROMOMETHANE		U	0.04		U	0.04		U	0.04		U	0.04
DICHLORODIFLUOROMETHANE		R	0.12		R	0.12		U	0.12		R	0.12
DIETHYL ETHER	8	J	0.11	2.08	J	0.11	0.4		0.11	0.72	J	0.11
ETHYL METHACRYLATE		U	0.06		U	0.06		U	0.06		U	0.06
ETHYLBENZENE	7.37		0.01	0.1		0.01		U	0.01		U	0.01
ISOPROPYLBENZENE	0.13	J	0.02		U	0.02		U	0.02		U	0.02
M+P-XYLENE	0.21		0.04		U	0.04		U	0.04		U	0.04
METHACRYLONITRILE		R	0.22		R	0.22		R	0.22		R	0.22
METHYL ACETATE		U	0.04		U	0.04		U	0.04		U	0.04
METHYL ACRYLATE		U	0.06		U	0.06		U	0.06		U	0.06
METHYL BROMIDE	1.04		0.12		U	0.12		U	0.12		U	0.12
METHYL CHLORIDE		R	0.04		R	0.04		U	0.04		R	0.04
METHYL ETHYL KETONE		U	0.14		U	0.14		U	0.14		U	0.14
METHYL IODIDE		U	0.08		U	0.08		U	0.08		U	0.08
METHYL ISOBUTYL KETONE		U	0.05		U	0.05		U	0.05		U	0.05
METHYL METHACRYLATE		U	0.12		U	0.12		U	0.12		U	0.12
METHYLENE BROMIDE		U	0.04		U	0.04		U	0.04		U	0.04
METHYLENE CHLORIDE		UJ	0.26		UJ	0.26		U	0.26		UJ	0.26
METHYL-T-BUTYL ETHER	0.68		0.04		U	0.04		U	0.04		U	0.04
N-BUTYLBENZENE		U	0.02		U	0.02		U	0.02		U	0.02
N-PROPYLBENZENE		U	0.02		U	0.02		U	0.02		U	0.02
O-XYLENE	1.66		0.04		U	0.04		U	0.04		U	0.04
P-CHLOROTOLUENE	0.14		0.03		U	0.03	0.08		0.03		U	0.03
PENTACHLOROETHANE		U	0.08		U	0.08		U	0.08		U	0.08
P-ISOPROPYLTOLUENE		U	0.02		U	0.02		U	0.02		U	0.02
PROPANENITRILE		R	0.46		R	0.46		R	0.46		R	0.46
SEC-BUTYLBENZENE		U	0.01		U	0.01		U	0.01		U	0.01
STYRENE		U	0.05		U	0.05		U	0.05		U	0.05
t-Butyl Alcohol		R	0.59	0.5	U	0.5		R	0.59		R	0.59
TERT-BUTYLBENZENE		U	0.03		U	0.03		U	0.03		U	0.03
TETRACHLOROETHYLENE		U	0.03		U	0.03		U	0.03		U	0.03
TETRAHYDROFURAN		R	0.52		R	0.52		R	0.52		R	0.52
TOLUENE	0.68		0.03		U	0.03	0.06		0.03	0.06		0.03
TRANS-1,4-DICHLORO-2-BUTENE		U	0.14		U	0.14		U	0.14		U	0.14
TRICHLOROETHYLENE	2.16		0.08	0.26		0.08	0.55		0.08	0.73		0.08
TRICHLOROFLUOROMETHANE		U	0.07		U	0.07		U	0.07		U	0.07
VINYL CHLORIDE	6.27	J	0.05		U	0.05		U	0.05		U	0.05
XYLENES,TOTAL												

CHEMICAL NAME	SRI-DGT-7-100			SRI-GP2-15			SRI-GP2-30		
	24083			23753			23754		
	08/18/09			07/23/09			07/23/09		
	99' - 101'			14' - 16'			29' - 31'		
	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE		U	0.07		U	0.07		U	0.07
1,1,1-TRICHLOROETHANE		R	0.06		U	0.06		U	0.06
1,1,2,2-TETRACHLOROETHANE		R	0.05	13.42		0.05		U	0.05
1,1,2-TRICHLOROETHANE		U	0.11		U	0.11		U	0.11
1,1-DICHLOROETHANE		R	0.04		U	0.04	0.17		0.04
1,1-DICHLOROETHYLENE		R	0.08		U	0.08	0.1		0.08
1,1-DICHLOROPROPYLENE		R	0.07		U	0.07		U	0.07
1,2,3-TRICHLOROBENZENE	0.28	J	0.03		U	0.03	1.4	J	0.03
1,2,3-TRICHLOROPROPANE		U	0.05		U	0.05		U	0.05
1,2,4-TRICHLOROBENZENE	0.73	J	0.03		U	0.03	27.5	J	0.14
1,2,4-TRIMETHYLBENZENE		U	0.02		U	0.02		U	0.02
1,2-CIS-DICHLOROETHYLENE	0.99	J	0.07	1.27		0.07	0.82		0.07
1,2-DIBROMO-3-CHLOROPROPANE		R	0.39		R	0.39		R	0.39
1,2-DIBROMOETHANE		U	0.05		U	0.05		U	0.05
1,2-DICHLOROBENZENE	0.66		0.03		U	0.03	6.26		0.03
1,2-DICHLOROETHANE	0.68		0.05		U	0.05	7.87		0.05
1,2-DICHLOROPROPANE		U	0.07		U	0.07		U	0.07
1,2-TRANS-DICHLOROETHYLENE	0.13	J	0.07	0.25		0.07	0.08		0.07
1,3,5-TRIMETHYLBENZENE		U	0.03		U	0.03		U	0.03
1,3-CIS-DICHLOROPROPYLENE		U	0.12		U	0.12		U	0.12
1,3-DICHLOROBENZENE		U	0.02		U	0.02	10.22		0.02
1,3-DICHLOROPROPANE		U	0.04		U	0.04		U	0.04
1,3-TRANS-DICHLOROPROPYLENE		U	0.04		U	0.04		U	0.04
1,4-DICHLOROBENZENE		U	0.03		U	0.03	21.9		0.14
1-CHLOROBUTANE		R	0.03		U	0.03	0.32		0.03
2,2-DICHLOROPROPANE		R	0.06		U	0.06		U	0.06
2-CHLOROTOLUENE	0.12		0.03		U	0.03	0.54		0.03
2-HEXANONE	1.81	J	0.06		U	0.06		U	0.06
3-CHLOROPROPENE		R	0.05		U	0.05		U	0.05
ACETONE		R	0.24		U	0.24	1.11	J	0.24
ACETONITRILE		R	0.52		U	0.52		U	0.52
ACROLEIN		R	0.05		R	0.05		R	0.05
ACRYLONITRILE		R	0.17		R	0.17		R	0.17
BENZENE	0.9		0.04	0.09		0.04	1.81		0.04
BROMOBENZENE		U	0.04		U	0.04		U	0.04
BROMOCHLOROMETHANE		R	0.09		U	0.09		U	0.09
BROMOFORM		R	0.25		U	0.25		U	0.25
CARBON DISULFIDE		R	0.02		U	0.02	0.89		0.02
CARBON TETRACHLORIDE		R	0.03		U	0.03		U	0.03
CHLOROBENZENE	1.1		0.03		U	0.03	51.1		0.14
CHLORODIBROMOMETHANE		U	0.08		U	0.08		U	0.08
CHLOROETHANE		R	0.26		U	0.26		U	0.26
CHLOROFORM		R	0.03		U	0.03		U	0.03
DICHLOROBROMOMETHANE		U	0.04		U	0.04		U	0.04
DICHLORODIFLUOROMETHANE		R	0.12		U	0.12		U	0.12
DIETHYL ETHER	2.13	J	0.11		U	0.11	1.5		0.11
ETHYL METHACRYLATE		U	0.06		U	0.06		U	0.06
ETHYLBENZENE	0.18		0.01		U	0.01	0.14		0.01
ISOPROPYLBENZENE		U	0.02		U	0.02		U	0.02
M+P-XYLENE		U	0.04		U	0.04	0.07		0.04
METHACRYLONITRILE		R	0.22		R	0.22		R	0.22
METHYL ACETATE		R	0.04		U	0.04		U	0.04
METHYL ACRYLATE		R	0.06		U	0.06		U	0.06
METHYL BROMIDE		R	0.12		U	0.12		U	0.12
METHYL CHLORIDE		R	0.04		U	0.04		U	0.04
METHYL ETHYL KETONE	14.14	J	0.14		U	0.14		U	0.14
METHYL IODIDE		R	0.08		U	0.08		U	0.08
METHYL ISOBUTYL KETONE		R	0.05		U	0.05		U	0.05
METHYL METHACRYLATE		U	0.12		U	0.12		U	0.12
METHYLENE BROMIDE		U	0.04		U	0.04		U	0.04
METHYLENE CHLORIDE		UJ	0.26		U	0.26		U	0.26
METHYL-T-BUTYL ETHER		R	0.04	4.14		0.04	5.46		0.04
N-BUTYLBENZENE		R	0.02		U	0.02		U	0.02
N-PROPYLBENZENE		U	0.02		U	0.02		U	0.02
O-XYLENE		U	0.04		U	0.04		U	0.04
P-CHLOROTOLUENE		U	0.03		U	0.03	0.06		0.03
PENTACHLOROETHANE		U	0.08		U	0.08		U	0.08
P-ISOPROPYLTOLUENE		R	0.02		U	0.02		U	0.02
PROPANENITRILE		R	0.46		R	0.46		R	0.46
SEC-BUTYLBENZENE		U	0.01		U	0.01		U	0.01
STYRENE		U	0.05		U	0.05		U	0.05
t-Butyl Alcohol		R	0.59		R	0.59		R	0.59
TERT-BUTYLBENZENE		U	0.03		U	0.03		U	0.03
TETRACHLOROETHYLENE		R	0.03		U	0.03		U	0.03
TETRAHYDROFURAN		R	0.52		R	0.52		R	0.52
TOLUENE	0.61		0.03		U	0.03	0.14		0.03
TRANS-1,4-DICHLORO-2-BUTENE		R	0.14		U	0.14		U	0.14
TRICHLOROETHYLENE		U	0.08	0.55		0.08	0.36		0.08
TRICHLOROFLUOROMETHANE		R	0.07		U	0.07		U	0.07
VINYL CHLORIDE		R	0.05		U	0.05		U	0.05
XYLENES,TOTAL									

CHEMICAL NAME	SRI-GP2-45			SRI-GP2-60			SRI-GP-2-100		
	23755			23777			24084		
	07/23/09			07/24/09			08/21/09		
	44' - 46'			59' - 61'			99' - 101'		
	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)
1,1,1,2-TETRACHLOROETHANE		U	0.07		U	0.07		U	0.07
1,1,1-TRICHLOROETHANE		U	0.06		U	0.06		R	0.06
1,1,2,2-TETRACHLOROETHANE		U	0.05		U	0.05		R	0.05
1,1,2-TRICHLOROETHANE		U	0.11		U	0.11		U	0.11
1,1-DICHLOROETHANE	0.09		0.04		U	0.04		R	0.04
1,1-DICHLOROETHYLENE	0.28		0.08	1.82		0.08		R	0.08
1,1-DICHLOROPROPYLENE		U	0.07		U	0.07		R	0.07
1,2,3-TRICHLOROBENZENE	0.46	J	0.03	0.13	J	0.03		R	0.03
1,2,3-TRICHLOROPROPANE		U	0.05		U	0.05		U	0.05
1,2,4-TRICHLOROBENZENE	14.7	J	0.03	0.75	J	0.03	0.93	J	0.03
1,2,4-TRIMETHYLBENZENE		U	0.02		U	0.02		U	0.02
1,2-CIS-DICHLOROETHYLENE	2.48		0.07	0.22		0.07		R	0.07
1,2-DIBROMO-3-CHLOROPROPANE		R	0.39		R	0.39		R	0.39
1,2-DIBROMOETHANE		U	0.05		U	0.05		U	0.05
1,2-DICHLOROBENZENE	8.41		0.03	0.09		0.03	0.14		0.03
1,2-DICHLOROETHANE	9		0.05		U	0.05	0.69		0.05
1,2-DICHLOROPROPANE		U	0.07		U	0.07		U	0.07
1,2-TRANS-DICHLOROETHYLENE	0.39		0.07		U	0.07		R	0.07
1,3,5-TRIMETHYLBENZENE		U	0.03		U	0.03		U	0.03
1,3-CIS-DICHLOROPROPYLENE		U	0.12		U	0.12		U	0.12
1,3-DICHLOROBENZENE	3.34		0.02		U	0.02		U	0.02
1,3-DICHLOROPROPANE		U	0.04		U	0.04		U	0.04
1,3-TRANS-DICHLOROPROPYLENE		U	0.04		U	0.04		U	0.04
1,4-DICHLOROBENZENE	7.28		0.03		U	0.03	0.12		0.03
1-CHLOROBUTANE	0.25		0.03		U	0.03		R	0.03
2,2-DICHLOROPROPANE		U	0.06		U	0.06		R	0.06
2-CHLOROTOLUENE	0.31		0.03		U	0.03		U	0.03
2-HEXANONE		U	0.06		U	0.06		R	0.06
3-CHLOROPROPENE		U	0.05		U	0.05		R	0.05
ACETONE	2.23	J	0.24	9.78	J	0.24		R	0.24
ACETONITRILE		U	0.52		U	0.52		R	0.52
ACROLEIN		R	0.05		R	0.05		R	0.05
ACRYLONITRILE		R	0.17		R	0.17		R	0.17
BENZENE	3.75		0.04	0.7		0.04	0.32		0.04
BROMOBENZENE		U	0.04		U	0.04		U	0.04
BROMOCHLOROMETHANE		U	0.09		U	0.09		R	0.09
BROMOFORM		U	0.25		U	0.25		R	0.25
CARBON DISULFIDE	4.39		0.02		U	0.02		R	0.02
CARBON TETRACHLORIDE		U	0.03		U	0.03		R	0.03
CHLOROBENZENE	30.3		0.14	0.16		0.03	0.12		0.03
CHLORODIBROMOMETHANE		U	0.08		U	0.08		U	0.08
CHLOROETHANE		U	0.26		U	0.26		R	0.26
CHLOROFORM		U	0.03	0.14		0.03		R	0.03
DICHLOROBROMOMETHANE		U	0.04		U	0.04		U	0.04
DICHLORODIFLUOROMETHANE		U	0.12		U	0.12		R	0.12
DIETHYL ETHER	2.28		0.11	15.98		0.11	8.99	J	0.11
ETHYL METHACRYLATE		U	0.06		U	0.06		U	0.06
ETHYLBENZENE	0.63		0.01		U	0.01		U	0.01
ISOPROPYLBENZENE		U	0.02		U	0.02		U	0.02
M+P-XYLENE	0.07		0.04		U	0.04	0.06		0.04
METHACRYLONITRILE		R	0.22		R	0.22		R	0.22
METHYL ACETATE		U	0.04		U	0.04		R	0.04
METHYL ACRYLATE		U	0.06		U	0.06		R	0.06
METHYL BROMIDE		U	0.12		U	0.12		R	0.12
METHYL CHLORIDE		U	0.04		U	0.04		R	0.04
METHYL ETHYL KETONE		U	0.14		U	0.14		R	0.14
METHYL IODIDE		U	0.08		U	0.08		R	0.08
METHYL ISOBUTYL KETONE		U	0.05		U	0.05		R	0.05
METHYL METHACRYLATE		U	0.12		U	0.12		U	0.12
METHYLENE BROMIDE		U	0.04		U	0.04		U	0.04
METHYLENE CHLORIDE		U	0.26		U	0.26		UJ	0.26
METHYL-T-BUTYL ETHER	1.81		0.04	0.94		0.04		R	0.04
N-BUTYLBENZENE		U	0.02		U	0.02		R	0.02
N-PROPYLBENZENE		U	0.02		U	0.02		U	0.02
O-XYLENE	0.1		0.04		U	0.04		U	0.04
P-CHLOROTOLUENE		U	0.03		U	0.03		U	0.03
PENTACHLOROETHANE		U	0.08		U	0.08		U	0.08
P-ISOPROPYLTOLUENE		U	0.02		U	0.02		R	0.02
PROPANENITRILE		R	0.46		R	0.46		R	0.46
SEC-BUTYLBENZENE		U	0.01		U	0.01		U	0.01
STYRENE		U	0.05		U	0.05		U	0.05
t-Butyl Alcohol		R	0.59		R	0.59		R	0.59
TERT-BUTYLBENZENE		U	0.03		U	0.03		U	0.03
TETRACHLOROETHYLENE		U	0.03		U	0.03		R	0.03
TETRAHYDROFURAN		R	0.52		R	0.52		R	0.52
TOLUENE	0.25		0.03		U	0.03	0.23		0.03
TRANS-1,4-DICHLORO-2-BUTENE		U	0.14		U	0.14		R	0.14
TRICHLOROETHYLENE	0.42		0.08	0.97		0.08		U	0.08
TRICHLOROFLUOROMETHANE		U	0.07		U	0.07		R	0.07
VINYL CHLORIDE	0.97		0.05	1.01		0.05		R	0.05
XYLENES,TOTAL									

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

2.16 - Detected concentration exceeds the NJDEP GWQS

Table B-3
Analytical Results Summary Tables – SRI Phase 1
Direct-Push GW Sampling at Downgradient Boundary of Madison Site (Phase 1 Task 5)

CHEMICAL NAME	CAS #	NJDEP Class II-A Groundwater Quality Standards (GWQS) (ug/L)	Maximum Detected Conc. (ug/L)	SRI-DGT-1-15			SRI-DGT-1-30			SRI-DGT-3-15			SRI-DGT-2-15			SRI-DGT-2-30			SRI-DGT-2-45			SRI-DGT-3-15			SRI-DGT-3-30			SRI-DGT-3-45			SRI-DGT-4-15			SRI-DGT-4-30			SRI-DGT-4-45			SRI-DGT-5-15			SRI-DGT-5-30			SRI-DGT-5-45		
				5720939			5720941			5720943			23562			23563			23564			23572			23573			23574			23642			23643			23644			23646			23649			5726261		
				07/09/09			07/09/09			07/09/09			07/09/09			07/09/09			07/09/09			07/13/09			07/13/09			07/13/09			07/15/09			07/15/09			07/15/09			07/16/09			07/16/09			07/16/09		
				14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'		
				Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)
SEMI-VOLATILE ORGANIC COMPOUNDS																																																
2,4,5-TRICHLOROPHENOL	95-95-4	700	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
2,4,6-TRICHLOROPHENOL	88-06-2	1	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
2,4-DICHLOROPHENOL	120-83-2	20	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
2,4-DIMETHYLPHENOL	105-67-9	100	ND		U	3		U	3		U	3		U	3		U	3		U	3																											
2,4-DINITROPHENOL	51-28-5	10	ND		UJ	20		UJ	20		UJ	20		U	20		U	20		U	20																											
2,4-DINITROTOLUENE	121-14-2	NA	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
2,6-DINITROTOLUENE	606-20-2	NA	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
2-CHLOROPHENOL	95-57-8	40	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
2-METHYL-4,6-DINITROPHENOL	534-52-1	0.7	ND		UJ	5		UJ	5		UJ	5		U	5		U	5		U	5																											
2-METHYLNAPHTHALENE	91-57-6	30	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
2-NITROANILINE	88-74-4	NA	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
3,3-DICHLOROBENZIDINE	91-94-1	0.08	ND		U	2		U	2		U	2		U	2		U	2		U	2																											
4-CHLORO-3-METHYLPHENOL	59-50-7	100	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
ACENAPHTHENE	83-32-9	400	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
ACENAPHTHYLENE	208-96-8	100	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
ACETOPHENONE	98-86-2	700	ND		U	2		U	2		U	2		U	2		U	2		U	2																											
ANTHRACENE	120-12-7	2000	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
BENZALDEHYDE	100-52-7	NA	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
BENZIDINE	92-87-5	0.0002	ND		UJ	20		UJ	20		UJ	20		U	20		U	20		U	20																											
BENZO(A)ANTHRACENE	56-55-3	0.05	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
BENZO(A)PYRENE	50-32-8	0.005	ND		UJ	1		UJ	1		UJ	1		U	1		U	1		U	1																											
BENZO(B)FLUORANTHENE	205-99-2	0.05	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
BENZO(GHI)PERYLENE	191-24-2	100	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
BENZO(K)FLUORANTHENE	207-08-9	0.5	ND		UJ	1		UJ	1		UJ	1		U	1		U	1		U	1																											
BENZYL BUTYL PHTHALATE	85-68-7	100	ND		UJ	2		UJ	2		UJ	2		U	2		U	2		U	2																											
Biphenyl	92-52-4	400	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
BIS(2-CHLOROETHYL) ETHER	111-44-4	0.03	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
Bis(2-chloroisopropyl) ether	39638-32-9	NA	ND		UJ	1		UJ	1		UJ	1		U	1		U	1		U	1																											
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	2	ND		UJ	2		UJ	2		UJ	2		U	2		U	2		U	2																											
CAPROLACTAM	105-60-2	3500	ND		UJ	5		UJ	5		UJ	5		U	5		U	5		U	5																											
CARBAZOLE	86-74-8	NA	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
CHRYSENE	218-01-9	5	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
CRESOL,O	95-48-7	NA	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
CRESOL,P	106-44-5	NA	ND		U	2		U	2		U	2		U	2		U	2		U	2																											
DIBENZO(A,H)ANTHRACENE	53-70-3	0.005	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
DIETHYL PHTHALATE	84-66-2	6000	ND		U	2		U	2		U	2		U	2		U	2		U	2																											
DIMETHYL PHTHALATE	131-11-3	100	ND		U	2		U	2		U	2		U	2		U	2		U	2																											
DI-N-BUTYL PHTHALATE	84-74-2	700	ND		U	2		U	2		U	2		U	2		U	2		U	2																											
DI-N-OCTYL PHTHALATE	117-84-0	100	ND		UJ	2		UJ	2		UJ	2		U	2		U	2		U	2																											
FLUORANTHENE	206-44-0	300	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
FLUORENE	86-73-7	300	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
HEXACHLOROBENZENE	118-74-1	0.02	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
HEXACHLOROBUTADIENE	87-68-3	0.4	ND		U	1		U	1		U	1		U	0.03		U	0.03		U	0.03		U	0.03		U	0.03		U	0.03		U	0.03		U	0.03		U	0.03		U	0.03		U	0.03		U	0.03
HEXACHLOROCYCLOPENTADIENE	77-47-4	40	ND		U	5		U	5		U	5		U	5		U	5		U	5																											
HEXACHLOROETHANE	67-72-1	2	ND		U	1		U	1		U	1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1
INDENO(1,2,3-CD)PYRENE	193-39-5	0.05	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
ISOPHORONE	78-59-1	40	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
NAPHTHALENE	91-20-3	300	0.26		U	1		U	1		U	1	0.26	J	0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04
NITROBENZENE	98-95-3	4	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.005	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
N-NITROSODIPHENYLAMINE	86-30-6	7	ND		U	2		U	2		U	2		U	2		U	2		U	2																											
PENTACHLOROPHENOL	87-86-5	0.3	ND		U	3		U	3		U	3		U	3		U	3		U	3																											
PHENANTHRENE	85-01-8	100	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
PHENOL	108-95-2	2000	ND		U	1		U	1		U	1		U	1		U	1		U	1																											
PYRENE	129-00-0	200	ND		UJ	1		UJ	1		UJ	1		U	1		U	1		U	1																											

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

2.16 - Detected concentration exceeds the NJDEP GWQS

Table B-3
Analytical Results Summary Tables – SRI Phase 1
Direct-Push GW Sampling at Downgradient Boundary of Madison Site (Phase 1 Task 5)

CHEMICAL NAME	CAS #	NJDEP Class II-A Groundwater Quality Standards (GWQS) (ug/L)	Maximum Detected Conc. (ug/L)	SRI-DGT-5-60			SRI-DGT-5-75			SRI-DGT-5-100			SRI-DGT-6-15			SRI-DGT-6-30			SRI-DGT-6-45			SRI-DGT-7-15			SRI-DGT-7-30			SRI-DGT-7-45			SRI-DGT-7-60			SRI-DGT-7-100			SRI-GP2-15			SRI-GP2-30			SRI-GP2-45			SRI-GP2-60			SRI-GP-2-100		
				23744			23661			24087			23745			5732863			5732864			23750			23751			23752			5732866			24083			23753			23754			23755			23777			24084		
				07/22/09			07/17/09			08/21/09			07/22/09			07/22/09			07/22/09			07/23/09			07/23/09			07/23/09			07/22/09			08/18/09			07/23/09			07/23/09			07/23/09			07/24/09			08/21/09		
				59' - 61'			74' - 76'			99' - 101'			14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'			59' - 61'			99' - 101'			14' - 16'			29' - 31'			44' - 46'			59' - 61'			99' - 101'		
				Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)
SEMI-VOLATILE ORGANIC COMPOUNDS																																																			
2,4,5-TRICHLOROPHENOL	95-95-4	700	ND																																																
2,4,6-TRICHLOROPHENOL	88-06-2	1	ND																																																
2,4-DICHLOROPHENOL	120-83-2	20	ND																																																
2,4-DIMETHYLPHENOL	105-67-9	100	ND																																																
2,4-DINITROPHENOL	51-28-5	10	ND																																																
2,4-DINITROTOLUENE	121-14-2	NA	ND																																																
2,6-DINITROTOLUENE	606-20-2	NA	ND																																																
2-CHLOROPHENOL	95-57-8	40	ND																																																
2-METHYL-4,6-DINITROPHENOL	534-52-1	0.7	ND																																																
2-METHYLNAPHTHALENE	91-57-6	30	ND																																																
2-NITROANILINE	88-74-4	NA	ND																																																
3,3-DICHLOROBENZIDINE	91-94-1	0.08	ND																																																
4-CHLORO-3-METHYLPHENOL	59-50-7	100	ND																																																
ACENAPHTHENE	83-32-9	400	ND																																																
ACENAPHTHYLENE	208-96-8	100	ND																																																
ACETOPHENONE	98-86-2	700	ND																																																
ANTHRACENE	120-12-7	2000	ND																																																
BENZALDEHYDE	100-52-7	NA	ND																																																
BENZIDINE	92-87-5	0.0002	ND																																																
BENZO(A)ANTHRACENE	56-55-3	0.05	ND																																																
BENZO(A)PYRENE	50-32-8	0.005	ND																																																
BENZO(B)FLUORANTHENE	205-99-2	0.05	ND																																																
BENZO(GHI)PERYLENE	191-24-2	100	ND																																																
BENZO(K)FLUORANTHENE	207-08-9	0.5	ND																																																
BENZYL BUTYL PHTHALATE	85-68-7	100	ND																																																
Biphenyl	92-52-4	400	ND																																																
BIS(2-CHLOROETHYL) ETHER	111-44-4	0.03	ND																																																
Bis(2-chloroisopropyl) ether	39638-32-9	NA	ND																																																
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	2	ND																																																
CAPROLACTAM	105-60-2	3500	ND																																																
CARBAZOLE	86-74-8	NA	ND																																																
CHRYSENE	218-01-9	5	ND																																																
CRESOL,O	95-48-7	NA	ND																																																
CRESOL,P	106-44-5	NA	ND																																																
DIBENZO(A,H)ANTHRACENE	53-70-3	0.005	ND																																																
DIETHYL PHTHALATE	84-66-2	6000	ND																																																
DIMETHYL PHTHALATE	131-11-3	100	ND																																																
DI-N-BUTYL PHTHALATE	84-74-2	700	ND																																																
DI-N-OCTYL PHTHALATE	117-84-0	100	ND																																																
FLUORANTHENE	206-44-0	300	ND																																																
FLUORENE	86-73-7	300	ND																																																
HEXACHLOROBENZENE	118-74-1	0.02	ND																																																
HEXACHLOROBUTADIENE	87-68-3	0.4	ND		U	0.03		U	0.03		R	0.03		U	0.03		U	0.03		U	0.03		U	0.03		U	0.03		U	0.03		U	0.03		R	0.03		U	0.03		U	0.03		U	0.03		U	0.03		R	0.03
HEXACHLOROCYCLOPENTADIENE	77-47-4	40	ND																																																
HEXACHLOROETHANE	67-72-1	2	ND		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1		U	0.1
INDENO(1,2,3-CD)PYRENE	193-39-5	0.05	ND																																																
ISOPHORONE	78-59-1	40	ND																																																
NAPHTHALENE	91-20-3	300	0.26	0.19		0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04	0.25		0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04		U	0.04
NITROBENZENE	98-95-3	4	ND																																																
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.005	ND																																																
N-NITROSODIPHENYLAMINE	86-30-6	7	ND																																																
PENTACHLOROPHENOL	87-86-5	0.3	ND																																																
PHENANTHRENE	85-01-8	100	ND																																																
PHENOL	108-95-2	2000	ND																																																
PYRENE	129-00-0	200	ND																																																

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

2.16 - Detected concentration exceeds the NJDEP GWQS

Table B-3
Analytical Results Summary Tables – SRI Phase 1
Direct-Push GW Sampling at Downgradient Boundary of Madison Site (Phase 1 Task 5)

CHEMICAL NAME	CAS #	NJDEP Class II-A Groundwater Quality Standards (GWQS) (ug/L)	Maximum Detected Conc. (ug/L)	SRI-DGT-1-15			SRI-DGT-1-30			SRI-DGT-3-15			SRI-DGT-2-15			SRI-DGT-2-30			SRI-DGT-2-45			SRI-DGT-3-15			SRI-DGT-3-30			SRI-DGT-3-45			SRI-DGT-4-15			SRI-DGT-4-30			SRI-DGT-4-45			SRI-DGT-5-15			SRI-DGT-5-30			SRI-DGT-5-45		
				5720939			5720941			5720943			23562			23563			23564			23572			23573			23574			23642			23643			23644			23646			23649			5726261		
				07/09/09			07/09/09			07/09/09			07/09/09			07/09/09			07/09/09			07/13/09			07/13/09			07/13/09			07/15/09			07/15/09			07/15/09			07/16/09			07/16/09			07/16/09		
				14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'		
				Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)
INORGANICS																																																
CADMIUM	7440-43-9	4	261	6.1		2		U	2		U	2	6.4		2		U	2		U	2	2.2	J	2	5.2		2		U	2		U	2	32.2		2		U	2	14.3		2	68.4		2	3.5	J	2
COPPER	7440-50-8	1300	20400	11.6		2.7		U	2.7	10.8		2.7	3.2	J	2.7	3.6	J	2.7	120		2.7		U	2.7	65.4	J	2.7	1900		2.7	12.6		2.7	2300		2.7	176		2.7	547		2.7	272		2.7	248		2.7
LEAD	7439-92-1	5	38.5		U	6.9	37.5		6.9		U	6.9		U	6.9		U	6.9		U	6.9		U	6.9	38.5		6.9		U	6.9		U	6.9		U	6.9		U	6.9	12	J	6.9	31.9		6.9		U	6.9
ZINC	7440-66-6	2000	32400	3870		8.1	951		8.1	226		8.1	4430		8.1	526		8.1	154		8.1	2380		8.1	1360	J	8.1	172	J	8.1	480		8.1	3670		8.1	122		8.1	1030		8.1	1480		8.1	535		8.1
ALUMINUM	7429-90-5	200	17900	3200		80.2	276		80.2	1770		80.2	2070		80.2		U	80.2	2950		80.2	2910	R	80.2	5490	R	80.2		U	80.2	1270	J	80.2	10900	J	80.2	2860	J	80.2	4650	J	80.2	6300	J	80.2	6860	J	80.2
ANTIMONY	7440-36-0	6	ND		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7
ARSENIC	7440-38-2	0.02	16.4		U	7.2		U	7.2		U	7.2		U	7.2		U	7.2		U	7.2		U	7.2		U	7.2		U	7.2		U	7.2		U	7.2		U	7.2		U	7.2		U	7.2		U	7.2
BARIUM	7440-39-3	6000	1510	193		0.62	75.2		0.62	53.5		0.62	258		0.62	75.9		0.62	86.1		0.62	97.1		0.62	135		0.62	82.1		0.62	79	J	0.62	159	J	0.62	35	J	0.62	39	J	0.62	52.6	J	0.62	46.4	J	0.62
BERYLLIUM	7440-41-7	1	53.2		U	1.4		U	1.4		U	1.4		U	1.4		U	1.4	2	J	1.4		U	1.4	1.9	J	1.4	4.3	J	1.4		U	1.4	8.2		1.4	5.1		1.4	5		1.4	2.2	J	1.4	5.1		1.4
CALCIUM	7440-70-2	NA	146000	8730		70.2	6260		70.2	5570		70.2	9050		70.2	6290		70.2	9270		70.2	6390		70.2	28700		70.2	21800		70.2	6380		70.2	33200		70.2	4580		70.2	5370		70.2	9980		70.2	10800		70.2
CHROMIUM	7440-47-3	70	4550	14.1	J	3.4		U	3.4	16.1		3.4		U	3.4		U	3.4	39		3.4		U	3.4	70.4		3.4	32.7		3.4		U	3.4	216		3.4		U	3.4	6.4	J	3.4		U	3.4		U	3.4
COBALT	7440-48-4	100	489		U	2.1		U	2.1	5.6		2.1		U	2.1		U	2.1	10.9		2.1	4.1	J	2.1	7.1		2.1	10.2		2.1	3.5	J	2.1	20.3		2.1	31.8		2.1	38.1		2.1	30.3		2.1	25.9		2.1
IRON	7439-89-6	300	78700	6530		52.2	5860		52.2	9320		52.2	4360		52.2	6350		52.2	7270		52.2	1070	J	52.2	2110	J	52.2	5530	J	52.2	3250		52.2	102	J	52.2	55	J	52.2	1710		52.2	16900		52.2	6120		52.2
MAGNESIUM	7439-95-4	NA	5810	2400		17.2	2650		17.2	2300		17.2	2280		17.2	2280		17.2	2770		17.2	2130		17.2	3520		17.2	2500		17.2	2520		17.2	4280		17.2	2460		17.2	3020		17.2	3330		17.2	3320		17.2
MANGANESE	7439-96-5	50	4290	103		0.84	103		0.84	205		0.84	98.9		0.84	109		0.84	280		0.84	85.4		0.84	182		0.84	170		0.84	90.7		0.84	429		0.84	282		0.84	519		0.84	373		0.84	285		0.84
MERCURY	7439-97-6	2	0.64		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056
NICKEL	7440-02-0	100	433	19.4		1.8	12.3		1.8	11.3		1.8	13.9		1.8	13.3		1.8	14.4		1.8	13	J	1.8	20.3	J	1.8		U	1.8	7.6	J	1.8	56.4		1.8	28.5		1.8	31.1		1.8	55.6		1.8	50.3		1.8
POTASSIUM	2023695	NA	10300	628		239	1360	J	239	2570		239	1040		239	1340		239	3350		239	2060	J	239	3100	J	239	2460	J	239	1830		239	4660		239	1680		239	1910		239	2770		239	2500		239
SELENIUM	7782-49-2	40	ND		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9
SILVER	7440-22-4	40	ND		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3
SODIUM	7440-23-5	50000	110000	11900		433	110000		433	22900		433	5630		433	84600		433	67900		433	40000		433	61900		433	7700	J	433	78800		433	17500		433	12000		433	14200		433	9740		433	8180		433
THALLIUM	7440-28-0	0.5	ND		U	14		U	14		U	14		U	14		U	14		U	14		U	14		U	14		U	14		U	14		U	14		U	14		U	14		U	14		U	14
VANADIUM	7440-62-2	NA	663	9.8		2.5		U	2.5	16.1		2.5		U	2.5		U	2.5	24		2.5	17.9		2.5	38.6		2.5	26.2		2.5		U	2.5	107		2.5		U	2.5	12.9		2.5		U	2.5		U	2.5

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

2.16 - Detected concentration exceeds the NJDEP GWQS

Table B-3
Analytical Results Summary Tables – SRI Phase 1
Direct-Push GW Sampling at Downgradient Boundary of Madison Site (Phase 1 Task 5)

CHEMICAL NAME	CAS #	NJDEP Class II-A Groundwater Quality Standards (GWQS) (ug/L)	Maximum Detected Conc. (ug/L)	SRI-DGT-5-60			SRI-DGT-5-75			SRI-DGT-5-100			SRI-DGT-6-15			SRI-DGT-6-30			SRI-DGT-6-45			SRI-DGT-7-15			SRI-DGT-7-30			SRI-DGT-7-45			SRI-DGT-7-60			SRI-DGT-7-100			SRI-GP2-15			SRI-GP2-30			SRI-GP2-45			SRI-GP2-60			SRI-GP-2-100		
				23744			23661			24087			23745			5732863			5732864			23750			23751			23752			5732866			24083			23753			23754			23755			23777			24084		
				07/22/09			07/17/09			08/21/09			07/22/09			07/22/09			07/22/09			07/23/09			07/23/09			07/23/09			07/22/09			08/18/09			07/23/09			07/23/09			07/23/09			07/24/09			08/21/09		
				59' - 61'			74' - 76'			99' - 101'			14' - 16'			29' - 31'			44' - 46'			14' - 16'			29' - 31'			44' - 46'			59' - 61'			99' - 101'			14' - 16'			29' - 31'			44' - 46'			59' - 61'			99' - 101'		
				Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)
INORGANICS																																																			
CADMIUM	7440-43-9	4	261	2.5	J	2	19.2		2		U	2	261		2	247		2	24		2	27		2	20.6		2	18.7		2	2.8	J	2				42.6		2		U	2		U	2	2	J	2	24.8	J	2
COPPER	7440-50-8	1300	20400	155		2.7	36.3		2.7		U	2.7	20400		2.7	2000		2.7	95.2		2.7	3300		2.7	1970		2.7	2690		2.7	26.4		2.7				1130		2.7	99.2		2.7		U	2.7	41		2.7	1600		2.7
LEAD	7439-92-1	5	38.5	10.1	J	6.9	7	J	6.9		U	6.9		U	6.9		U	6.9	11.6	J	6.9		U	6.9		U	6.9		U	6.9	13.8	J	6.9					U	6.9	14.3	J	6.9	23.9		6.9		U	6.9		U	6.9
ZINC	7440-66-6	2000	32400	468		8.1	846		8.1	13.1	J	8.1	32400	J	8.1	1530	J	8.1	947	J	8.1	5100		8.1	2280	J	8.1	1670	J	8.1	277		8.1				16100	J	8.1	4590		8.1	2840		8.1	347		8.1	10100		8.1
ALUMINUM	7429-90-5	200	17900	7870		80.2	5570		80.2		U	80.2	17900		80.2	2000		80.2	9350		80.2	1130		80.2	2120		80.2	690		80.2	13300		80.2				3040		80.2	4190		80.2	11000		80.2	8670		80.2		U	80.2
ANTIMONY	7440-36-0	6	ND		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7		U	9.7					U	9.7		U	9.7		U	9.7		U	9.7		U	9.7
ARSENIC	7440-38-2	0.02	16.4		U	7.2		U	7.2		U	7.2	16.4	J	7.2		U	7.2		U	7.2		U	7.2	8.1	J	7.2		U	7.2		U	7.2					U	7.2		U	7.2		U	7.2		U	7.2		U	7.2
BARIUM	7440-39-3	6000	1510	43.1		0.62	98.7		0.62	58.2		0.62	40.8		0.62	42.3		0.62	70.5		0.62	37.3		0.62	76.3		0.62	69.6		0.62	48.8		0.62				54.1		0.62	90		0.62	45.3		0.62	48.1		0.62	1510		0.62
BERYLLIUM	7440-41-7	1	53.2	3.4	J	1.4	4.4	J	1.4		U	1.4	9.1		1.4	6.9		1.4	4.7	J	1.4		U	1.4	3.2	J	1.4	3.7	J	1.4	1.6	J	1.4					U	1.4		U	1.4		U	1.4	2.4	J	1.4	53.2		1.4
CALCIUM	7440-70-2	NA	146000	8260		70.2	18600		70.2	19300		70.2	20100		70.2	8680		70.2	5440		70.2	11000		70.2	11900		70.2	12000		70.2	12900		70.2				16800		70.2	15800		70.2	12400		70.2	12400		70.2	146000		70.2
CHROMIUM	7440-47-3	70	4550	4.9	J	3.4	38.3		3.4		U	3.4	8.2	J	3.4	130		3.4		U	3.4		U	3.4	195		3.4	233		3.4		U	3.4					U	3.4	219		3.4		U	3.4	31.2		3.4	4550		3.4
COBALT	7440-48-4	100	489	39.1		2.1	67.8		2.1		U	2.1	58.3		2.1	60		2.1	43.7		2.1	43.5		2.1	48		2.1	71.6		2.1	65.1		2.1				25.8		2.1	16.8		2.1	18.7		2.1	78.3		2.1	489		2.1
IRON	7439-89-6	300	78700	29500		52.2	26000		52.2	8530		52.2	26000		52.2	4530		52.2	14800		52.2	30400		52.2	10100		52.2	14000		52.2	23000		52.2				7160		52.2	51600		52.2	78700		52.2	5580		52.2		U	52.2
MAGNESIUM	7439-95-4	NA	5810	3320		17.2	4460		17.2	3000		17.2	5810		17.2	4270		17.2	3180		17.2	4010		17.2	4220		17.2	4290		17.2	4350		17.2				2610		17.2	4290		17.2	4560		17.2	5130		17.2	4330		17.2
MANGANESE	7439-96-5	50	4290	447		0.84	470		0.84	732		0.84	896		0.84	598		0.84	589		0.84	562		0.84	548		0.84	695		0.84	695		0.84				347		0.84	633		0.84	706		0.84	830		0.84	4290		0.84
MERCURY	7439-97-6	2	0.64		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056		U	0.056					U	0.056		U	0.056	0.091	J	0.056		U	0.056	0.38		0.056
NICKEL	7440-02-0	100	433	66.8	J	1.8	269		1.8	9.4	J	1.8	413		1.8	61.4		1.8	67.2	J	1.8	130	J	1.8	55.4		1.8	71.7		1.8	64.7	J	1.8				102	J	1.8	433		1.8	220	J	1.8	49.6		1.8	2.2	J	1.8
POTASSIUM	2023695	NA	10300	2380		239	2420		239	10300		239	3590		239	1890		239	2610		239	3880		239	1970		239	2480		239	3010		239				2390		239	5510		239	3910		239	3410		239	6190		239
SELENIUM	7782-49-2	40	ND		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9		U	8.9					U	8.9		U	8.9		U	8.9		U	8.9		U	8.9
SILVER	7440-22-4	40	ND		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3		U	2.3					U	2.3		U	2.3		U	2.3		U	2.3		U	2.3
SODIUM	7440-23-5	50000	110000	13000		433	14200		433	20400		433	34100		433	11400		433	16500		433	38600		433	11100		433	11600		433	12000		433				7430		433	43300		433	38200		433	13700		433	17500		433
THALLIUM	7440-28-0	0.5	ND		U	14		U	14		U	14		U	14		U	14		U	14		U	14		U	14		U	14		U	14					U	14		U	14		U	14		U	14		U	14
VANADIUM	7440-62-2	NA	663		U	2.5	17.2		2.5		U	2.5	243		2.5	80.3		2.5	62.8		2.5	3.9	J	2.5	169		2.5	111		2.5		U	2.5					U	2.5	80.4		2.5		U	2.5		U	2.5	663		2.5

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

2.16 - Detected concentration exceeds the NJDEP GWQS

Table B-4
Analytical Results Summary Tables – SRI Phase 1
Analysis of Groundwater Samples for Semi-volatile Organic Compounds (Phase 1 Task 6)

CHEMICAL NAME	CAS #	NJDEP Class II-A Groundwater Quality Standards (GWQS) (ug/L)	Maximum Detected Conc. (ug/L)	CPS-03A			DW-10D			DW-10S			DW-14			EPA-1			EPA-5			RS-2C			WCC-1M			WE-2RB		
				5780936			5780918			5780917			5780921			5780903			5780907			5780932			5780938			5780935		
				09/18/09			09/16/09			09/16/09			09/17/09			09/17/09			09/16/09			09/18/09			09/18/09			09/18/09		
				Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)	Conc. (ug/L)	Interpreted Qualifier	MDL (ug/L)
SEMI-VOLATILE ORGANIC COMPOUNDS																														
1,2,4-TRICHLOROBENZENE	120-82-1	9	230	130		1																19		1		U	1	230		1
1,2-DICHLOROBENZENE	95-50-1	600	200	200		1																61		1		U	1	77		1
1,3-DICHLOROBENZENE	541-73-1	600	25	8		1																16		1		U	1	25		1
1,4-DICHLOROBENZENE	106-46-7	75	69	24		1																44		1		U	1	69		1
1,4-DIOXANE	123-91-1	3	9	9		1	0.14		0.05		U	0.05	0.89		0.05	2		0.05	1.4		0.05	6		1	4		1	6		1
2,4,5-TRICHLOROPHENOL	95-95-4	700	ND		U	1																	U	1		U	1		U	1
2,4,6-TRICHLOROPHENOL	88-06-2	1	ND		U	1																	U	1		U	1		U	1
2,4-DICHLOROPHENOL	120-83-2	20	ND		U	1																	U	1		U	1		U	1
2,4-DIMETHYLPHENOL	105-67-9	100	5	5		3																	U	3		U	3		U	3
2,4-DINITROPHENOL	51-28-5	10	ND		U	20																	U	20		U	20		U	20
2,4-DINITROTOLUENE	121-14-2	NA	ND		U	1																	U	1		U	1		U	1
2,6-DINITROTOLUENE	606-20-2	NA	ND		U	1																	U	1		U	1		U	1
2-CHLORONAPHTHALENE	91-58-7	600	ND		U	2																	U	2		U	2		U	2
2-CHLOROPHENOL	95-57-8	40	ND		U	1																	U	1		U	1		U	1
2-METHYL-4,6-DINITROPHENOL	534-52-1	0.7	ND		U	5																	U	5		U	5		U	5
2-METHYLNAPHTHALENE	91-57-6	30	1		U	1																1		1		U	1		U	1
2-NITROANILINE	88-74-4	NA	ND		U	1																	U	1		U	1		U	1
2-NITROPHENOL	88-75-5	NA	ND		U	1																	U	1		U	1		U	1
3,3-DICHLOROBENZIDINE	91-94-1	0.08	ND		U	2																	U	2		U	2		U	2
3-NITROANILINE	99-09-2	NA	ND		U	1																	U	1		U	1		U	1
4-BROMOPHENYL PHENYL ETHER	101-55-3	NA	ND		U	1																	U	1		U	1		U	1
4-CHLORO-3-METHYLPHENOL	59-50-7	100	ND		U	1																	U	1		U	1		U	1
4-CHLOROANILINE	106-47-8	NA	ND		U	1																	U	1		U	1		U	1
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	NA	ND		U	2																	U	2		U	2		U	2
4-NITROANILINE	100-01-6	NA	ND		U	1																	U	1		U	1		U	1
4-NITROPHENOL	100-02-7	NA	ND		U	10																	U	10		U	10		U	10
ACENAPHTHENE	83-32-9	400	ND		U	1																	U	1		U	1		U	1
ACENAPHTHYLENE	208-96-8	100	ND		U	1																	U	1		U	1		U	1
ANTHRACENE	120-12-7	2000	ND		U	1																	U	1		U	1		U	1
BENZO(A)ANTHRACENE	56-55-3	0.05	ND		U	1																	U	1		U	1		U	1
BENZO(A)PYRENE	50-32-8	0.005	ND		U	1																	U	1		U	1		U	1
BENZO(B)FLUORANTHENE	205-99-2	0.05	ND		U	1																	U	1		U	1		U	1
BENZO(GHI)PERYLENE	191-24-2	100	ND		U	1																	U	1		U	1		U	1
BENZO(K)FLUORANTHENE	207-08-9	0.5	ND		U	1																	U	1		U	1		U	1
BENZYL BUTYL PHTHALATE	85-68-7	100	2	2		2																	U	2		U	2		U	2
BIS(2-CHLOROETHOXY) METHANE	111-91-1	NA	ND		U	1																	U	1		U	1		U	1
BIS(2-CHLOROETHYL) ETHER	111-44-4	0.03	ND		U	1																	U	1		U	1		U	1
BIS(2-CHLOROISOPROPYL)ETHER	108-60-1	300	ND		U	1																	U	1		U	1		U	1
BIS(2-ETHYLHEXYL)PHTHALATE	117-81-7	2	18	18		2																	U	2		U	2	6		2
CARBAZOLE	86-74-8	NA	ND		U	1																	U	1		U	1		U	1
CHRYSENE	218-01-9	5	ND		U	1																	U	1		U	1		U	1
CRESOL,O	95-48-7	NA	2		U	1																2		1		U	1	1		1
CRESOL,P	106-44-5	NA	3		U	2																	U	2		U	2	3		2
DIBENZO(A,H)ANTHRACENE	53-70-3	0.005	ND		U	1																	U	1		U	1		U	1
DIBENZOFURAN	132-64-9	NA	ND		U	1																	U	1		U	1		U	1
DIETHYL PHTHALATE	84-66-2	6000	ND		U	2																	U	2		U	2		U	2
DIMETHYL PHTHALATE	131-11-3	100	ND		U	2																	U	2		U	2		U	2
DI-N-BUTYL PHTHALATE	84-74-2	700	25	25		2																	U	2		U	2	4		2
DI-N-OCTYL PHTHALATE	117-84-0	100	ND		U	2																	U	2		U	2		U	2
FLUORANTHENE	206-44-0	300	ND		U	1																	U	1		U	1		U	1
FLUORENE	86-73-7	300	ND		U	1																	U	1		U	1		U	1
HEXACHLOROBENZENE	118-74-1	0.02	ND		U	1																	U	1		U	1		U	1
HEXACHLOROBUTADIENE	87-68-3	0.4	ND		U	1																	U	1		U	1		U	1
HEXACHLOROCYCLOPENTADIENE	77-47-4	40	ND		U	5																	U	5		U	5		U	5
HEXACHLOROETHANE	67-72-1	2	ND		U	1																	U	1		U	1		U	1
INDENO(1,2,3-CD)PYRENE	193-39-5	0.05	ND		U	1																	U	1		U	1		U	1
ISOPHORONE	78-59-1	40	ND		U	1																	U	1		U	1		U	1
NAPHTHALENE	91-20-3	300	3	1		1																2		1		U	1	3		1
NITROBENZENE	98-95-3	4	ND		U	1																	U	1		U	1		U	1
N-NITROSODI-N-PROPYLAMINE	621-64-7	0.005	ND		U	1																	U	1		U	1		U	1
N-NITROSODIPHENYLAMINE	86-30-6	7	ND		U	2																	U	2		U	2		U	2
PENTACHLOROPHENOL	87-86-5	0.3	ND		U	3																	U	3		U	3		U	3
PHENANTHRENE	85-01-8	100	ND		U	1																	U	1		U	1		U	1
PHENOL	108-95-2	2000	ND		U	1																	U	1		U	1		U	1
PYRENE	129-00-0	200	ND		U	1																	U	1		U	1		U	1

Notes:

MDL - Method Detection Limit

ND, U - Non Detected, concentration less than MDL

J - Estimated concentration

R - Rejected by data validator

18 - Detected concentration exceeds the NJDEP GWQS

APPENDIX C

DATA VALIDATION SUMMARY REPORTS

Data Usability Assessment Report

Volatile Organic Compounds

MOB12

- Samples (SRI-SS-1-0-0.5-7-6-09, SRI-SS-1-3.5-4.0-7-6-09, SRI-SS-2-0-0.5-7-6-09, SRI-SS-2-3.5-4.0-7-6-09, SRI-SS-3-3.5-4.0-7-6-09, SRI-SS-4-3.5-4.0-7-6-09, SRI-SS-5-3.5-4.0-7-6-09, SRI-SS-6-0-0.5-7-6-09, and SRI-SS-6-3.5-4.0-7-6-09) had detected concentrations qualified as estimated (J) and the reporting limits for non-detected compounds qualified as rejected (R) due to holding time limit exceedences.

- Dichlorodifluoromethane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift exceedences in samples SRI-SS-1-0-0.5-7-6-09, SRI-SS-1-3.5-4.0-7-6-09, SRI-SS-2-0-0.5-7-6-09, SRI-SS-2-3.5-4.0-7-6-09, SRI-SS-3-3.5-4.0-7-6-09, SRI-SS-5-3.5-4.0-7-6-09, SRI-SS-6-0-0.5-7-6-09, SRI-SS-6-3.5-4.0-7-6-09, and SRI-SS-4-3.5-4.0-7-6-09.

- Bromomethane and chloroethane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification relative standard deviations exceedences in samples SRI-SS-3-0-0.5-7-6-09, SRI-SS-4-0-0.5-7-6-09, SRI-SS-5-0-0.5-7-6-09, SRI-7-4-7-6-09, SRI-7-8-7-6-09, SRI-7-12-7-6-09, SRI-7-16-7-6-09, and SRI-7-25-7-6-09.

- Acetone results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in samples SRI-SS-3-0-0.5-7-6-09, SRI-SS-4-0-0.5-7-6-09, SRI-SS-5-0-0.5-7-6-09, SRI-7-4-7-6-09, SRI-7-8-7-6-09, SRI-7-12-7-6-09, SRI-7-16-7-6-09, and SRI-7-25-7-6-09.

- Acetone results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial and continuing calibration verification RRF exceedences in samples FB54TR070609 and FB7720DT7-6-09.

- Chloroethane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in samples FB54TR070609, FB7720DT7-6-09.

- Acrolein results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift exceedences in samples SRI-SS-1-0-0.5-7-6-09, SRI-SS-1-3.5-4.0-7-6-09, SRI-SS-2-0-0.5-7-6-09, SRI-SS-2-3.5-4.0-7-6-09, SRI-SS-3-3.5-4.0-7-6-09, SRI-SS-5-3.5-4.0-7-6-09, SRI-SS-6-0-0.5-7-6-09, and SRI-SS-6-3.5-4.0-7-6-09.

- Acrolein and 4-methyl-2-pentanone results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift exceedences in sample SRI-SS-4-3.5-4.0-7-6-09.

- The following samples SRI-7-4-7-6-09 (4-bromofluorobenzene), SRI-7-8-7-6-09 (dibromofluoromethane, toluene-d8, 4-bromofluorobenzene), SRI-7-12-7-6-09 (dibromofluoromethane, 1,2-dichloroethane-d4, toluene-d8, 4-bromofluorobenzene), and SRI-7-16-7-6-09 (toluene-d8, 4-bromofluorobenzene) had surrogate percent recoveries that exceeded acceptance limits, associated compounds were qualified as estimated (J/UJ).

- The following laboratory control sample compounds (1,1,2-trichloroethane; dibromochloromethane; 1,3-dichlorobenzene; 1,4-dichlorobenzene; and 1,2-dichlorobenzene) exceeded acceptance levels and sample results were qualified as estimated (J/UJ) for the following samples (SRI-SS-1-0-0.5-7-6-09, SRI-SS-1-3.5-4.0-7-6-09, SRI-SS-2-0-0.5-7-6-09, SRI-SS-2-3.5-4.0-7-6-09, SRI-SS-3-3.5-4.0-7-6-09, SRI-SS-5-3.5-4.0-7-6-09, SRI-SS-6-0-0.5-7-6-09, and SRI-SS-6-3.5-4.0-7-6-09).

- The following laboratory control sample compounds (methyl tertiary butyl ether) exceeded acceptance levels and sample results were qualified as estimated (J/UJ) for SRI-SS-4-3.5-4.0-7-6-09.

- Methylene chloride was detected in Method Blank (VBLKA42), the associated sample (SRI-SS-4-3.5-4.0-7-6-09) was qualified undetected due to blank contamination (U).

- Internal standard areas exceeded the acceptance levels for the following samples: SRI-SS-2-0-0.5-7-6-09 (t-butyl alcohol-d10). Associated compounds results and reporting limits were qualified as estimated (J/UJ).

<u>MOB13</u>

- Acetone and Surrogate 1,2-dichloroethane-d4 associated compound results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial calibration verification RRF exceedences in sample SRI-SS-15-3.5-4.0-7-7-09.

- Acetone results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial and continuing calibration verification RRF exceedences in sample FB 54TR 070709.

- Chloroethane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift exceedences in sample FB 54TR 070709

- Dichlorodifluoromethane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift exceedences in samples SRI-SS-7-0-0.5-7-7-09, SRI-SS-7-3.5-4.0-7-7-09, SRI-SS-8-3.5-4.0-7-7-09, SRI-SS-9-0-0.5-7-7-09, SRI-SS-9-3.5-4.0-7-7-09, SRI-SS-10-0-0.5-7-7-09, SRI-SS-10-3.5-4.0-7-7-09, SRI-SS-11-0-0.5-7-7-09, SRI-SS-11-3.5-4.0-7-7-09, SRI-SS-13-3.5-4.0-7-7-09, SRI-SS-14-0-0.5-7-7-09, SRI-SS-14-3.5-4.0-7-7-09, SRI-SS-15-0-0.5-7-7-09, and SRI-SS-7-0-0.5-7-7-09 Dup.

- Acetone, methyl acetate, 2-butanone, 4-methyl-2-pentanone, and 1,2-dibromo-3-chloropropane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in sample SRI-SS-15-3.5-4.0-7-7-09.

- Acetone results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in sample SRI-SS-8-0-0.5-7-7-09 and SRI-SS-13-0-0.5-7-7-09.

- Bromomethane and chloroethane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification relative standard deviations exceedences in samples SRI-SS-8-0-0.5-7-7-09 and SRI-SS-13-0-0.5-7-7-09.

- Acrolein results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift exceedences in samples SRI-SS-9-0-0.5-7-7-09, SRI-SS-9-3.5-4.0-7-7-09, SRI-SS-10-0-0.5-7-7-09, SRI-SS-11-0-0.5-7-7-09, SRI-SS-11-3.5-4.0-7-7-09, SRI-SS-14-0-0.5-7-7-09, and SRI-SS-15-0-0.5-7-7-09.

- Acrolein, 4-methyl-2-pentanone results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift exceedences in samples SRI-SS-7-0-0.5-7-7-09, SRI-SS-7-3.5-4.0-7-7-09, SRI-SS-8-3.5-4.0-7-7-09, SRI-SS-10-3.5-4.0-7-7-09, SRI-SS-13-3.5-4.0-7-7-09, SRI-SS-3.5-4.0-7-7-09, and SRI-SS-7-0-0.5-7-7-09 Dup.

- Bromomethane and chloroethane results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift exceedences in samples SRI-SS-8-0-0.5-7-7-09 and SRI-SS-13-0-0.5-7-7-09.

- The following laboratory control sample compounds (1,1,2-trichloroethane; 1,3-dichlorobenzene; 1,4-dichlorobenzene; 1,2-dichlorobenzene; and methyl tertiary butyl ether) exceeded acceptance levels and sample results were qualified as estimated (J/UJ) for the following samples (SRI-SS-9-0-0.5-7-7-09, SRI-SS-9-3.5-4.0-7-7-09, SRI-SS-10-0-0.5-7-7-09, SRI-SS-11-0-0.5-7-7-09, SRI-SS-11-3.5-4.0-7-7-09, SRI-SS-14-0-0.5-7-7-09, and SRI-SS-15-0-0.5-7-7-09).

- The following laboratory control sample compound (dichlorodifluoromethane) exceeded acceptance levels and sample results were qualified as estimated (J/UJ) for the following samples (SRI-SS-8-0-0.5-7-7-09 and SRI-SS-13-0-0.5-7-7-09).

- Methylene chloride was detected in Method Blank (VBLKA42), the associated sample (SRI-SS-14-3.5-4.0-7-7-09) was qualified undetected due to blank contamination (U).

MOB14

- The following samples SRI-SS-8-7-7-09 (dibromofluoromethane, 1,2-dichloroethane-d4, toluene-d8, 4-bromofluorobenzene) and SRI-SS-10-12-7-7-09 and SRI-SS-9-12-7-7-09 (dibromofluoromethane, toluene-d8, 4-bromofluorobenzene) had surrogate percent recoveries that exceeded acceptance limits, associated compounds were qualified as estimated (J/UJ).

MOB16

- Samples (SRI-SS-12-0-0.5-7-8-09, SRI-SS-12-3.5-4.0-7-8-09 and SRI-SS-19-0-0.5-7-8-09) had detected concentrations qualified as estimated (J) and the reporting limits for non-detected compounds qualified as rejected (R) due to holding time limit exceedences.

- Acetone results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial calibration verification and continuing calibration verification RRF exceedences in sample FB54TR070809.

- Chloroethane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in sample FB54TR070809.

- Acetone and Surrogate 1,2-dichloroethane-d4 associated compound results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial calibration verification RRF exceedences in samples SRI-SS-19-0-0.5-7-8-09 and SRI-SS-20-0-0.5-7-8-09.

- Acetone results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in samples SRI-SS-19-0-0.5-7-8-09, SRI-SS-20-0-0.5-7-8-09, and SRI-SS-20-3.5-4.0-7-8-09.

- Acetone and Surrogate 1,2-dichloroethane-d4 associated compound results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial calibration verification RRF exceedences in samples SRI-SS-12-0-0.5-7-8-09, SRI-SS-12-3.5-4.0-7-8-09, SRI-SS-19-0-0.5-7-8-09, SRI-SS-19-3.5-4.0-7-8-09, and SRI-SS-20-3.5-4.0-7-8-09.

- Methyl acetate, 2-butanone, 4-methyl-2-pentanone, and 1,2-dibromo-3-chloropropane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in samples SRI-SS-12-0-0.5-7-8-09, SRI-SS-12-3.5-4.0-7-8-09, SRI-SS-19-0-0.5-7-8-09, SRI-SS-19-3.5-4.0-7-8-09, and SRI-SS-20-3.5-4.0-7-8-09.

- Bromomethane results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift in samples SRI-SS-19-0-0.5-7-8-09 Dup, SRI-SS-20-0-0.5-7-8-09, and SRI-SS-20-3.5-4.0-7-8-09.

- The following samples SRI-SS-19-0-0.5-7-8-09 Dup (dibromofluoromethane, 1,2-dichloroethane-d4, toluene-d8, 4-bromofluorobenzene) had surrogate percent recoveries that exceeded acceptance limits, associated compounds were qualified as estimated (J/UJ).

- Acetone was detected in the field blank (FB 54TR 070809), the following sample (SRI-SS-12-0-0.5-7-8-09, SRI-SS-19-0-0.5-7-8-09, SRI-SS-19-3.5-4.0-7-8-09, SRI-SS-20-0-0.5-7-8-09, and SRI-SS-20-3.5-4.0-7-8-09) results were qualified as undetected due to blank contamination (U).

<u>MOB17</u>

- Acetone results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in samples SRI-DGT-1-15-7-9-09, SRI-DGT-1-30-7-9-09, SRI-DGT-1-45-7-9-09, and Trip Blank Water.

- Dichlorodifluoromethane, trichlorofluoromethane, and 1,2-dibromo-3-chloropropane results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift in samples SRI-DGT-1-15-7-9-09, SRI-DGT-1-30-7-9-09, SRI-DGT-1-45-7-9-09, and Trip Blank Water.

- Sample SRI-DGT-1-15-7-9-09 results and reporting limits for associated compounds were qualified as estimated (J/UJ) for the internal standard (t-butyl alcohol-d10) area was below the acceptance limit.

<u>MOB20</u>

- Surrogate 1,2-dichloroethane-d4 associated compound results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial calibration verification RRF exceedences in samples SRI-18-4-071409, SRI-18-8-071409, SRI-18-12-071409, SRI-18-16-071409, SRI-18-20-071409, SRI-18-41-071409, and SRI-18-50-071409.

- Acetone results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in samples SRI-18-4-071409, SRI-18-8-071409, SRI-18-12-071409, SRI-18-16-071409, SRI-18-20-071409, SRI-18-41-071409, and SRI-18-50-071409.

- Acetone results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to continuing calibration verification RRF exceedences in samples SRI-18-12-071409, SRI-18-4-071409, and SRI-18-8-071409.

- Bromomethane and chloroethane results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift in samples SRI-18-12-071409, SRI-18-4-071409, and SRI-18-8-071409.

- Acetone and Surrogate 4-bromofluorobenzene associated compounds results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to continuing calibration verification RRF exceedences in samples SRI-18-16-071409, SRI-18-20-071409, and SRI-18-41-071409.

MOB21

- Surrogate 1,2-dichloroethane-d4 associated compound results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial calibration verification RRF exceedences in samples SRI-18-60-7-15-09, SRI-18-66-7-15-09, SRI-11-16-7-17-09, SRI-11-50-7-17-09, and SRI-11-75-7-17-09.

- Acetone, 2-butanone, 4-methyl-2-pentanone, and 1,2-dibromo-3-chloropropane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in samples SRI-18-60-7-15-09, SRI-18-66-7-15-09, SRI-11-16-7-17-09, SRI-11-50-7-17-09, and SRI-11-72-7-17-09.

- Dichlorodifluoromethane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in samples SRI-18-89-7-15-09, SRI-18-95-7-15-09, SRI-17-16-7-16-09, SRI-17-20-7-16-09, SRI-17-41-7-16-09, SRI-17-75-7-16-09, SRI-11-4-7-17-09, SRI-11-8-7-17-09, and SRI-11-12-7-17-09.

- Acetone results and reporting limits were qualified as estimated (J/UJ) due to - initial calibration verification percent drift in samples SRI-17-7-16-09, SRI-17-8-7-16-09, SRI-17-12-7-16-09, and SRI-17-25-7-16-09.

- Acetone and Surrogate 1,2-dichloroethane-d4 associated compound results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial calibration verification and continuing calibration verification RRF exceedences in samples SRI-17-4-7-16-09, SRI-17-8-7-16-09, SRI-17-12-7-16-09, and SRI-17-25-7-16-09.

- Acetone and Surrogate 1,2-dichloroethane-d4 associated compound results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to continuing calibration verification RRF exceedences in sample SRI-17-34-7-16-09.

- 4-Methyl-2-pentanone results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift in samples SRI-18-89-7-15-09, SRI-18-95-7-15-09, SRI-17-16-7-16-09, SRI-17-20-7-16-09, SRI-17-41-7-16-09, SRI-17-75-7-16-09, SRI-11-4-7-17-09, SRI-11-8-7-17-09, and SRI-11-12-7-17-09.

- Bromomethane, chloroethane, and acetone results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift in samples SRI-17-4-7-16-09, SRI-17-8-7-16-09, SRI-17-12-7-16-09, and SRI-17-25-7-16-09.

- Bromomethane, chloroethane, and acetone results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift in sample SRI-17-34-7-16-09.

- The following samples SRI-17-12-7-16-07 (4-bromofluorobenzene) had surrogate percent recoveries that exceeded acceptance limits, associated compounds were qualified as estimated (J/UJ).

- The following laboratory control sample compounds (methyl tertiary butyl ether) exceeded acceptance levels and sample results were qualified as estimated (J/UJ) for the following samples SRI-18-89-7-15-09, SRI-18-95-7-15-09, SRI-17-16-7-16-09, SRI-17-20-7-16-09, SRI-17-41-7-16-09, SRI-17-75-7-16-09, SRI-11-4-7-17-09, SRI-11-8-7-17-09, and SRI-11-12-7-17-09.

- The following laboratory control sample compounds (methyl tertiary butyl ether; 1,3-dichlorobenzene; 1,4-dichlorobenzene, and 1,2-dichlorobenzene) exceeded acceptance levels and sample results were qualified as estimated (J/UJ) for the following samples SRI-11-20-7-17-09.

<u>MOB24</u>

- Acetone results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial calibration verification RRF exceedences in samples SRI-DGT-60-072209 and Trip Blank.

- Chloroethane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in samples SRI-DGT-60-072209 and Trip Blank.

- Methyl acetate results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift in samples SRI-DGT-60-072209 and Trip Blank.

MOB27

- Trichlorofluoromethane results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift in samples SRI-8-4-8-5-09, SRI-8-8-8-5-09, SRI-8-12-8-5-09, SRI-8-20-8-5-09, SRI-6-4-8-5-09, SRI-6-12-8-5-09, SRI-6-16-8-5-09, SRI-5-4-8-5-09, SRI-5-8-8-5-09, and SRI-6-20-8-5-09.

- The following samples SRI-8-16-8-5-09 (4-bromofluorobenzene) and SRI-6-12-8-5-09 (4-bromofluorobenzene) had surrogate percent recoveries that exceeded acceptance limits, associated compounds were qualified as estimated (J/UJ).

- Compounds associated with internal standard 1,4-dichlorobenzene-d4 reporting limits were qualified as rejected (R) in sample SRI-8-16-8-5-09.

- Compounds associated with internal standard chlorobenzene-d5 were qualified as estimated (J/UJ) in sample SRI-8-16-8-5-09.

- Compounds associated with internal standard 1,4-dichlorobenzene-d4 were qualified as estimated (J/UJ) in sample SRI-6-12-8-5-09.

MOB28

- Surrogate 4-bromofluorobenzene associated compound results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift in samples SRI-20-16-8-6-09, SRI-20-20-8-6-09, and SRI-20-20-8-6-09 Dup.

- The field duplicate relative percent difference of benzene; chlorobenzene; 1,4-dichlorobenzene; 1,2-dichlorobenzene; cis-1,2-dichloroethane; ethylbenzene; methylene chloride; toluene; trichloroethene; and total xylenes was greater than 40%: therefore, results were qualified as estimated (J) in the following samples SRI-SS-19-0-0.5-7-8-09 and SRI-SS-19-0-0.5-7-8-09 Dup.

MOB29

- Acrolein; acetone; methyl acetate; acrylonitrile; 2-butanone; 4-methyl-2-pentanone; 1,1,2,2,-tetrachloroethane; 1,2-dichlorobenzene; and 1,2-dibromo-3-chloropropane results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift in sample SRI-4-4-8-6-09.

MOB30

- Surrogate 1,2-dichloroethane-d4 associated compound results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial calibration verification RRF exceedences in samples SRI-13-16-8-19-09 and SRI-12-20-8-19-09.

- Bromomethane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in samples SRI-13-16-8-19-09 and SRI-12-20-8-19-09.

- Bromoform results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent RSD in samples SRI-13-4-8-19-09, SRI-13-8-8-19-09, SRI-12-4-8-19-09, SRI-14-16-8-19-09, SRI-14-20-8-19-09, and SRI-14-16Dup-8-19-09.

- Trichlorofluoromethane and carbon tetrachloride results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent drift in samples SRI-13-12-8-19-09, SRI-13-20-8-19-09, SRI-12-8-8-19-09, SRI-12-12-8-19-09, and SRI-12-16-8-19-09.

- The following sample SRI-14-4-8-19-09 (4-bromofluorobenzene) surrogate percent recoveries that exceeded acceptance limits, associated compounds were qualified as estimated (J/UJ).

- The following laboratory control sample compounds (dichlorodifluoromethane) exceeded acceptance levels and sample results were qualified as estimated (J/UJ) for the following samples SRI-13-16-8-19-09 and SRI-12-20-8-19-09.

- Compounds associated with internal standard 1,4-dichlorobenzene-d4 reporting limits were qualified as estimated (J/UJ) in sample SRI-14-4-8-19-09.

Ciba In-house Laboratory Analysis of July-August Samples

- Tert-butyl alcohol, acrylonitrile, acrolein, propionitrile, methacrylonitrile, tetrahydrofuran and 1,2-dibromo-3-chloropropane results were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to initial calibration verification RRF exceedences in samples SRI-DGT-2-15-7-9-09, SRI-DGT-2-30-7-9-09, SRI-DGT-2-45-7-9-09, Trip Blank 7-9-09, FB-8040DT-071309, SRI-DGT-3-15-7-13-09, SRI-DGT-3-30-7-13-09, SRI-DGT-3-45-7-13-09, SRI-DGT-4-15-7-15-09, SRI-DGT-4-30-7-15-09, SRI-DGT-4-45-7-15-09, Trip Blank 7-15-09, SRI-DGT-5-15-7-16-09, SRI-DGT-5-30-7-19-09, SRI-DGT-5-45-7-16-09, Trip Blank 7-13-09, SRI-DGT-5-30-7-16-09-Dup, SRI-DGT-5-60-072209, SRI-DGT-6-15-072209, SRI-DGT-6-30-072209, SRI-DGT-6-45-072209, SRI-DGT-7-60-072209, SRI-DGT-7-60-072209Dup, SRI-DGT-7-15-072309, SRI-DGT-7-30-072309, Trip Blank 7-23-09, SRI-DGT-5-75-7-17-09, FB71709-8040, SRI-DGT-6-45-072209, SRI-DGT-7-15-072309, SRI-DGT-7-45-

072309, SRI-GP2-15-072309, SRI-GP2-30-072309, SRI-GP2-45-072309, SRI-GP2-60-072409, 7720EG Blank 7-28-09, SRI-DGT-5-75-7-17-09.

- Dichlorodifluoromethane; acetone; and 1,2-dibromo-3-chloropropane results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification %RSD exceedences in samples SRI-DGT-2-15-7-9-09, SRI-DGT-2-30-7-9-09, SRI-DGT-2-45-7-9-09, Trip Blank 7-9-09, FB-8040DT-071309, SRI-DGT-3-15-7-13-09, SRI-DGT-3-30-7-13-09, SRI-DGT-3-45-7-13-09, SRI-DGT-4-15-7-15-09, SRI-DGT-4-30-7-15-09, SRI-DGT-4-45-7-15-09, Trip Blank 7-15-09, SRI-DGT-5-15-7-16-09, SRI-DGT-5-30-7-19-09, SRI-DGT-5-45-7-16-09, Trip Blank 7-13-09, SRI-DGT-5-30-7-16-09-Dup, SRI-DGT-5-60-072209, SRI-DGT-6-15-072209, SRI-DGT-6-30-072209, SRI-DGT-6-45-072209, SRI-DGT-7-60-072209, SRI-DGT-7-60-072209Dup, SRI-DGT-7-15-072309, SRI-DGT-7-30-072309, Trip Blank 7-23-09, SRI-DGT-5-75-7-17-09, FB71709-8040, SRI-DGT-6-45-072209, SRI-DGT-7-15-072309, SRI-DGT-7-45-072309, SRI-GP2-15-072309, SRI-GP2-30-072309, SRI-GP2-45-072309, SRI-GP2-60-072409, 7720EG Blank 7-28-09, SRI-DGT-5-75-7-17-09.

- Tert-butyl alcohol, acrolein, propionitrile, and tetrahydrofuran were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to continuing calibration verification RRF exceedences in samples SRI-DGT-2-15-7-9-09, SRI-DGT-2-30-7-9-09, Trip Blank 7-9-09, FB-8040DT-071309, SRI-DGT-3-15-7-13-09, SRI-DGT-3-30-7-13-09, and SRI-DGT-3-45-7-13-09.

- Chloromethane; acetone; tert-butyl alcohol; trans-1,3-dichloropropene; ethyl methacrylate; styrene; 1,2-dibromo-3-chloropropane; 1,2,4-trichlorobenzene; naphthalene; and 1,2,3-trichlorobenzene results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent deviation exceedences in samples SRI-DGT-2-15-7-9-09, SRI-DGT-2-30-7-9-09, Trip Blank 7-9-09, FB-8040DT-071309, SRI-DGT-3-15-7-13-09, SRI-DGT-3-30-7-13-09, and SRI-DGT-3-45-7-13-09.

- Dichlorodifluoromethane, tert-butyl alcohol, acrolein, propionitrile, and tetrahydrofuran were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to continuing calibration verification RRF exceedences in samples SRI-DGT-4-15-7-15-09, SRI-DGT-4-30-7-15-09, SRI-DGT-4-45-7-15-09, Trip Blank 7-15-09, SRI-DGT-5-15-7-16-09, SRI-DGT-5-30-7-19-09, SRI-DGT-5-45-7-16-09, Trip Blank 7-13-09, and SRI-DGT-5-30-7-16-09-Dup.

- Dichlorodifluoromethane; chloromethane; vinyl chloride; chloroethane; trichlorofluoromethane; acetone; methyl iodide; carbon disulfide; 2-butanone; 4-methyl-2-pentanone; styrene; isopropylbenzene; n-propylbenzene; 1,3,5-trimethylbenzene; tert-butylbenzene; 1,2,4-trimethylbenzene; pentachloroethane; sec-butylbenzene; 4-isopropyltoluene; n-butylbenzene; hexachloroethane; 1,2-dibromo-3-chloropropane; 1,2,4-trichlorobenzene; hexachlorobutadiene; naphthalene; and 1,2,3-trichlorobenzene results and reporting limits were

qualified as estimated (J/UJ) due to continuing calibration verification percent deviation exceedences in samples SRI-DGT-4-15-7-15-09, SRI-DGT-4-30-7-15-09, SRI-DGT-4-45-7-15-09, Trip Blank 7-15-09, SRI-DGT-5-15-7-16-09, SRI-DGT-5-30-7-19-09, SRI-DGT-5-45-7-16-09, Trip Blank 7-13-09, and SRI-DGT-5-30-7-16-09-Dup.

- Dichlorodifluoromethane, chloromethane, tert-butyl alcohol, acrolein, propionitrile, tetrahydrofuran, and 1,2-dibromo-2-chloropropane were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to continuing calibration verification RRF exceedences in samples SRI-DGT-5-60-072209, SRI-DGT-6-15-072209, SRI-DGT-6-30-072209, SRI-DGT-6-45-072209, SRI-DGT-7-60-072209, SRI-DGT-7-60-072209Dup, SRI-DGT-7-15-072309, SRI-DGT-7-30-072309, and Trip Blank 7-23-09.

- Dichlorodifluoromethane; chloromethane; vinyl chloride; chloroethane; trichlorofluoromethane; diethyl ether; methyl iodide; allyl chloride; acetonitrile; carbon disulfide; methylene chloride; trans-1,2-dichloroethene; 2-butanone; propionitrile; dibromomethane; trans-1,3-dichloropropene; tetrachloroethene; 1,1,1,2-tetrachloroethane; bromoform; isopropylbenzene; bromobenzene; pentachloroethane; sec-butylbenzene; n-butylbenzene; hexachloroethane; 1,2,4-trichlorobenzene; hexachlorobutadiene; and 1,2,3-trichlorobenzene results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent deviation exceedences in samples SRI-DGT-5-60-072209, SRI-DGT-6-15-072209, SRI-DGT-6-30-072209, SRI-DGT-6-45-072209, SRI-DGT-7-60-072209, SRI-DGT-7-60-072209Dup, SRI-DGT-7-15-072309, SRI-DGT-7-30-072309, and Trip Blank 7-23-09.

- Tert-butyl alcohol, acrolein, propionitrile, tetrahydrofuran and 1,2-dibromo-2-chloropropane were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to continuing calibration verification RRF exceedences in samples SRI-DGT-5-75-7-17-09, FB71709-8040, SRI-DGT-6-45-072209, and SRI-DGT-7-15-072309.

- Dichlorodifluoromethane; chloromethane; vinyl chloride; bromomethane; trichlorofluoromethane; 1,1-dichloroethene; allyl chloride; acetonitrile; carbon disulfide; methylene chloride; acrolein; 1,1-dichloroethane; chloroform; 1,1,1-trichloroethane; 1-chlorobutane; dibromomethane; 1,2,4-trichlorobenzene; hexachlorobutadiene; and 1,2,3-trichlorobenzene results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent deviation exceedences in samples SRI-DGT-5-75-7-17-09, FB71709-8040, SRI-DGT-6-45-072209, and SRI-DGT-7-15-072309.

- Tert-butyl alcohol, acrolein, propionitrile, tetrahydrofuran, and 1,2-dibromo-2-chloropropane were qualified as estimated (J) and reporting limits were qualified as rejected (R) due to continuing calibration verification RRF exceedences in samples SRI-DGT-5-45-072309, SRI-GP2-15-072309, SRI-GP2-30-072309, SRI-

GP2-45-072309, SRI-GP2-60-072409, 7720EQ Blank 7-28-09, and SRI-DGT-5-75-7-17-09.

- Acetone; tetrachloroethene; n-butylbenzene; 1,2,4-trichlorobenzene; and 1,2,3-trichlorobenzene results and reporting limits were qualified as estimated (J/UJ) due to continuing calibration verification percent deviation exceedences in samples SRI-DGT-5-45-072309, SRI-GP2-15-072309, SRI-GP2-30-072309, SRI-GP2-45-072309, SRI-GP2-60-072409, 7720EQ Blank 7-28-09, and SRI-DGT-5-75-7-17-09.

- Methylene chloride was detected in the method blank 7/16/09, the following sample (SRI-DGT-2-15-7-9-09, Trip Blank 7-9-09, FB-8040DT-71309, SRI-DGT-3-15-7-13-09, SRI-DGT-3-30-7-13-09, and SRI-DGT-3-45-7-13-09) results were qualified as undetected due to blank contamination (U).

- Acetone was detected in the field blank (FB-8040DT-071309), the following sample (SRI-DGT-3-15-7-13-09, SRI-DGT-3-30-7-13-09, and SRI-DGT-3-45-7-13-09) results were qualified as undetected due to blank contamination (U).

- Toluene was detected in the field blank (FB-8040DT-071309), the following sample (SRI-DGT-3-15-7-13-09) result was qualified as undetected due to blank contamination (U).

- Methylene chloride was detected in the method blank 7/23/09, the following sample (SRI-DGT-4-15-7-15-09, SRI-DGT-4-45-7-15-09, Trip Blank 7-15-09, SRI-DGT-5-15-7-16-09, SRI-DGT-5-30-7-19-09, SRI-DGT-5-45-7-16-09, Trip Blank 7-13-09, and SRI-DGT-5-30-7-16-09-Dup) results were qualified as undetected due to blank contamination (U).

- Methylene chloride was detected in the method blank 7/27/09, the following sample (SRI-DGT-5-60-072209, SRI-DGT-6-15-072209, SRI-DGT-6-30-072209, SRI-DGT-6-45-072209, SRI-DGT-7-60-072209, SRI-DGT-7-60-072209Dup, SRI-DGT-7-15-072309, SRI-DGT-7-30-072309, and Trip Blank 7-23-09) results were qualified as undetected due to blank contamination (U).

- Methylene chloride was detected in the method blank 7/30/09, the following sample (SRI-DGT-5-75-7-17-09, FB71709-8040, SRI-DGT-6-45-072209, and SRI-DGT-7-15-072309) results were qualified as undetected due to blank contamination (U).

- Methylene chloride was detected in the method blank 8/4/09, the following sample (SRI-DGT-5-45-072309, SRI-GP2-15-072309, SRI-GP2-30-072309, SRI-GP2-45-072309, SRI-GP2-60-072409, 7720EQ Blank 7-28-09, and SRI-DGT-5-75-7-17-09) results were qualified as undetected due to blank contamination (U).

- 1,4-Dichlorobenzene; 1,2-dichlorobenzene; 1,2,4-trichlorobenzene; naphthalene; and 1,2,3-trichlorobenzene were detected in the field blank (FB71709-8040), the following sample (SRI-DGT-5-75-7-17-09) results were qualified as undetected due to blank contamination (U).

Semivolatile Organic Compounds

MOB12

- 2,4-Dinitrophenol and 4,6-dinitro-2-methylphenol results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent RSD in samples SRI-SS-1-0-0.5-7-6-09, SRI-SS-1-3.5-4.0-7-6-09, SRI-SS-2-0-0.5-7-6-09, SRI-SS-2-3.5-4.0-7-6-09, SRI-SS-3-0-0.5-7-6-09, SRI-SS-3-3.5-4.0-7-6-09, SRI-SS-4-0-0.5-7-6-09, SRI-SS-4-3.5-4.0-7-6-09, SRI-SS-5-0-0.5-7-6-09, SRI-SS-5-3.5-4.0-7-6-09, SRI-SS-6-0-0.5-7-6-09, SRI-SS-6-3.5-4.0-7-6-09, FB54TR070609, FB7720DT7-6-09, SRI-7-4-7-6-09, SRI-7-8-7-6-09, SRI-7-12-7-6-09, SRI-7-16-7-6-09, and SRI-7-25-7-6-09.

- bis(2-Chloroisopropyl)ether and benzidine results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent drift in samples SRI-SS-1-0-0.5-7-6-09, SRI-SS-1-3.5-4.0-7-6-09, SRI-SS-2-0-0.5-7-6-09, SRI-SS-2-3.5-4.0-7-6-09, SRI-SS-3-0-0.5-7-6-09, SRI-SS-3-3.5-4.0-7-6-09, SRI-SS-4-0-0.5-7-6-09, SRI-SS-4-3.5-4.0-7-6-09, SRI-SS-5-0-0.5-7-6-09, SRI-SS-5-3.5-4.0-7-6-09, SRI-SS-6-0-0.5-7-6-09, SRI-SS-6-3.5-4.0-7-6-09, FB54TR070609, FB7720DT7-6-09, SRI-7-4-7-6-09, SRI-7-8-7-6-09, SRI-7-12-7-6-09, SRI-7-16-7-6-09, and SRI-7-25-7-6-09.

MOB13

- 2,4-Dinitrophenol, 4,6-dinitro-2-methylphenol, bis(2-chloroisopropyl)ether, and benzidine results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification percent RSD and/or percent drift in samples SRI-SS-7-0-0.5-7-7-09, SRI-SS-7-3.5-4.0-7-7-09, SRI-SS-8-0-0.5-7-7-09, SRI-SS-8-3.5-4.0-7-7-09, SRI-SS-9-0.5-7-7-09, SRI-SS-9-3.5-4.0-7-7-09, SRI-SS-10-0-0.5-7-7-09, SRI-SS-10-3.5-4.0-7-7-09, SRI-SS-11-0-0.5-7-7-09, SRI-SS-11-3.5-4.0-7-7-09, SRI-SS-13-0-0.5-7-7-09, SRI-SS-13-3.5-4.0-7-7-09, SRI-SS-14-0-0.5-7-7-09, SRI-SS-14-3.5-4.0-7-7-09, SRI-SS-15-0-0.5-7-7-09, SRI-SS-15-3.5-4.0-7-7-09, SRI-SS-7-0-0.5-7-7-09 Dup, and FB 54TR 070709

- Caprolactam was qualified as rejected in sample FB 54TR 070709 due to the laboratory control sample and laboratory control sample duplicate percent recoveries of 0 and 7%.

MOB14

- 4,6-Dinitro-2-methylphenol results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification relative standard deviations exceedences in samples SRI-9-4-7-7-09, SRI-9-8-7-7-09, and SRI-9-12-7-7-09.

MOB16

- 2,4-Dinitrophenol, 4,6-dinitro-2-methylphenol, bis(2-chloroisopropyl)ether, and benzidine results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification relative standard deviations and/or percent drift exceedences in samples FB 54TR 070809, SRI-SS-12-0-0.5-7-8-09, SRI-SS-12-3.5-4.0-7-8-09, SRI-SS-18-Surface-7-8-09, SRI-SS-18-Base-7-8-09, SRI-SS-17-Surface-7-8-09, SRI-SS-19-0-0.5-7-8-09, SRI-SS-19-3.5-4.0-7-8-09, SRI-SS-19-0-0.5-7-8-09 Dup, SRI-SS-20-0-0.5-7-8-09, and SRI-SS-20-3.5-4.0-7-8-09.

- Caprolactam was qualified as estimated (UJ) in sample FB 54TR 070809 due to the laboratory control sample recovery.

- Pyrene was qualified as estimated (J/UJ) in samples SRI-SS-12-0-0.5-7-8-09, SRI-SS-12-3.5-4.0-7-8-09, SRI-SS-18-Surface-7-8-09, SRI-SS-18-Base-7-8-09, SRI-SS-17-Surface-7-8-09, SRI-SS-19-0-0.5-7-8-09, SRI-SS-19-3.5-4.0-7-8-09, SRI-SS-19-0-0.5-7-8-09 Dup, SRI-SS-20-0-0.5-7-8-09, and SRI-SS-20-3.5-4.0-7-8-09 due to the laboratory control sample recovery.

MOB17

- 2,4-Dinitrophenol, 4,6-dinitro-2-methylphenol, bis(2-chloroisopropyl)ether, and benzidine results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification relative standard deviations and/or percent drift exceedences in samples SRI-DGT-1-15-7-9-09, SRI-DGT-1-30-7-9-09, and SRI-DGT-1-45-7-9-09.

- Caprolactam, pyrene, butylbenzylphthalate, bis(2-ethylhexyl)phthalate, di-n-octylphthalate, benzo(k)fluoranthene, and benzo(a)pyrene were qualified as estimated (UJ) in samples SRI-DGT-1-15-7-9-09, SRI-DGT-1-30-7-9-09, and SRI-DGT-1-45-7-9-09 due to the laboratory control sample and laboratory control sample duplicate recoveries.

MOB19

- 2,4-Dinitrophenol, 4,6-dinitro-2-methylphenol, bis(2-chloroisopropyl)ether, n-nitrosodiphenylamine, and benzidine and the associated compounds with surrogate terphenyl-d14 results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification relative standard deviations and/or percent drift exceedences in sample FB 8040DT-071309.

MOB21

- 2,4-Dinitrophenol, 4,6-dinitro-2-methylphenol, bis(2-chloroisopropyl)ether, n-nitrosodiphenylamine, and benzidine and the associated compounds with surrogate terphenyl-d14 results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification relative standard deviations and/or percent drift exceedences in sample SRI-17-4-7-16-09.

- Hexachlorocyclopentadiene; 2,4-dinitrobenzene; 4,6-dinitro-2-methylphenol, benzidine and the associated compounds with surrogate terphenyl-d14results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification relative standard deviations and/or percent drift exceedences in samples SRI-17-8-7-16-09, SRI-17-12-7-16-09, SRI-17-16-7-16-09, SRI-17-20-7-16-09, SRI-17-25-7-16-09, SRI-17-41-7-16-09, SRI-11-4-7-17-09, SRI-11-8-7-17-09, SRI-11-12-7-17-09, SRI-11-16-7-17-09, SRI-11-20-7-17-09, SRI-11-50-7-17-09, and SRI-11-72-7-17-09.

- 2-Methylphenol was qualified as estimated (UJ) in sample SRI-17-4-7-16-09 due to the laboratory control sample recovery.

MOB23

- Caprolactam and hexachlorocyclopentadiene were qualified as rejected in sample FB 071709-8040 due to the laboratory control sample and laboratory control sample duplicate percent recoveries of 16/15% and 0/0%, respectively.

MOB28

- Fluoranthene was qualified as estimated (UJ) in sample all samples SRI-5-4-8-5-09, SRI-5-8-8-5-09, SRI-5-12-8-5-09, SRI-5-16-8-5-09, SRI-5-20-8-5-09, SRI-3-4-8-5-09, SRI-3-8-8-5-09, SRI-3-12-8-5-09, SRI-3-16-8-5-09, SRI-3-20-8-5-09, SRI-20-16-8-6-09, SRI-20-20-8-6-09, SRI-20-20-8-6-09 Dup, and SRI-9-16-8-6-09 due to the laboratory control sample recovery.

- 2,4-Dinitrophenol, 4,6-dinitro-2-methylphenol, hexachlorocyclopentadience, and n-nitrosodiphenylamine and the associated compounds with surrogate terphenyl-d14 results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification relative standard deviations and/or percent drift exceedences in samples SRI-5-4-8-5-09, SRI-5-8-8-5-09, SRI-5-12-8-5-09, SRI-5-16-8-5-09, SRI-5-20-8-5-09, SRI-3-4-8-5-09, SRI-3-8-8-5-09, SRI-3-12-8-5-09, SRI-3-16-8-5-09, SRI-3-20-8-5-09, Field Blank 6620-8-5-09, SRI-20-16-8-6-09, SRI-20-20-8-6-09, SRI-20-20-8-6-09 Dup, SRI-9-16-8-6-09, and SRI-9-20-8-6-09.

MOB32

- Hexachlorocyclopentadience and benzidine results and reporting limits were qualified as estimated (J/UJ) due to initial calibration verification relative standard deviations and/or percent drift exceedences in samples SRI-13-4-8-19-09, SRI-13-8-8-19-09, SRI-13-12-8-19-09, SRI-13-16-8-19-09, SRI-13-20-8-19-09, SRI-1-4-8-20-09, SRI-1-8-8-20-09, SRI-1-12-8-20-09, SRI-1-16-8-20-09, SRI-1-20-8-20-09, SRI-1-50-8-20-09, SRI-1-75-8-20-09, SRI-SS-16-0.5-1.0-8-20-09, and SRI-16-3.5-4.0-8-20-09.

Inorganics

MOB12

- Antimony was detected in continuing calibration blank 3 and results for samples SRI-7-8-7-6-09 and SRI-7-12-7-6-09 were qualified as undetected (U) due to blank contamination.

- Mercury was detected in the preparation blank and the result for sample SRI-7-4-7-6-09 was qualified as undetected (U) due to blank contamination.

- Calcium was detected in continuing calibration blank 2 and the result for sample FB54TR070609 was qualified as undetected (U) due to blank contamination.

- Chromium was detected in the initial calibration and continuing calibration 2 blanks and the result for sample FB7720DT7-6-09 was qualified as undetected (U) due to blank contamination.

- Calcium was detected in the field blank (FB7720DT7-6-09) and the results in samples SRI-SS-1-3.5-4.0-7-6-09, SRI-SS-2-0-0.5-7-6-09, SRI-SS-2-3.5-4.0-7-6-09, SRI-SS-3-0-0.5-7-6-09, SRI-SS-3-3.5-4.0-7-6-09, SRI-SS-4-0-0.5-7-6-09, SRI-SS-4-3.5-4.0-7-6-09, SRI-SS-5-0-0.5-7-6-09, SRI-SS-5-3.5-4.0-7-6-09, SRI-SS-6-0-0.5-7-6-09, SRI-SS-6-3.5-4.0-7-6-09, SRI-7-4-7-6-09, SRI-7-12-7-6-09, SRI-7-16-7-6-09, and SRI-7-25-7-6-09.

- Copper was detected in the field blank (FB7720DT7-6-09) and the results in samples SRI-SS-1-3.5-4.0-7-6-09, SRI-SS-2-0-0.5-7-6-09, SRI-SS-2-3.5-4.0-7-6-09, SRI-SS-3-0-0.5-7-6-09, SRI-SS-3-3.5-4.0-7-6-09, SRI-SS-4-0-0.5-7-6-09, SRI-SS-4-3.5-4.0-7-6-09, SRI-SS-5-3.5-4.0-7-6-09, SRI-SS-6-3.5-4.0-7-6-09, SRI-7-4-7-6-09, SRI-7-8-7-6-09, SRI-7-12-7-6-09, SRI-7-16-7-6-09, and SRI-7-25-7-6-09.

- Zinc was detected in the field blank (FB7720DT7-6-09) and the results in samples SRI-SS-1-3.5-4.0-7-6-09, SRI-SS-2-0-0.5-7-6-09, SRI-SS-2-3.5-4.0-7-6-09, SRI-SS-3-0-0.5-7-6-09, SRI-SS-4-0-0.5-7-6-09, SRI-SS-5-0-0.5-7-6-09, SRI-SS-5-3.5-4.0-7-6-09, SRI-SS-6-3.5-4.0-7-6-09, and SRI-7-25-7-6-09.

- The matrix spike recovery for magnesium and vanadium exceeded acceptance limits, the following samples SRI-SS-1-0-0.5-7-6-09, SRI-SS-1-3.5-4.0-7-6-09, SRI-SS-2-0-0.5-7-6-09, SRI-SS-2-3.5-4.0-7-6-09, SRI-SS-3-0-0.5-7-6-09, SRI-SS-3-3.5-4.0-7-6-09, SRI-SS-4-0-0.5-7-6-09, SRI-SS-4-3.5-4.0-7-6-09, SRI-SS-5-0-0.5-7-6-09, SRI-SS-5-3.5-4.0-7-6-09, SRI-SS-6-0-0.5-7-6-09, SRI-SS-6-3.5-4.0-7-6-09, SRI-7-4-7-6-09, SRI-7-8-7-6-09, SRI-7-12-7-6-09, SRI-7-16-7-6-09, and SRI-7-25-7-6-09 detected results were qualified as estimated (J).

MOB13

- The cooler temperature was greater than 10ºC and all results and reporting limits were qualified as estimated (J/UJ) for sample FB 54TR 070709.

- The field duplicate relative percent difference of aluminum, barium, copper, magnesium, manganese, and potassium were greater the acceptance limits: therefore, results were qualified as estimated (J) in the following samples SRI-SS-7-0-0.5-7-7-09 and SRI-SS-7-0-0.5-7-7-09 Dup.

- The serial dilution percent difference acceptance limit was exceeded for alumium and barium and the following samples SRI-SS-7-0-0.5-7-7-09, SRI-SS-7-3.5-4.0-7-7-09, SRI-SS-8-0-0.5-7-7-09, SRI-SS-8-3.5-4.0-7-7-09, SRI-SS-9-0-0.5-7-7-09, SRI-SS-9-3.5-4.0-7-7-09, SRI-SS-10-0-0.5-7-7-09, SRI-SS-10-3.5-4.0-7-7-09, SRI-SS-11-0-0.5-7-7-09, SRI-SS-11-3.5-4.0-7-7-09, SRI-SS-13-0-0.5-7-7-09, SRI-SS-13-3.5-4.0-7-7-09, SRI-SS-14-0-0.5-7-7-09, SRI-SS-14-3.5-4.0-7-7-09, SRI-SS-15-0-0.5-7-7-09, SRI-SS-15-3.5-4.0-7-7-09, and SRI-SS-7-0-0.5-7-7-09 Dup were qualified as estimated (J/UJ).

MOB14

- Barium and cadmium were detected in the third continuing calibration blank and the following samples SRI-9-4-7-7-09 (Ba), SRI-9-8-7-7-09 (Cd), and SRI-9-12-7-7-09 (Cd) were qualified as undetected due to blank contamination (U).

- The serial dilution percent difference acceptance limit was exceeded for alumium and barium and the following samples SRI-9-4-7-7-09, SRI-9-8-7-7-09, and SRI-9-12-7-7-09 were qualified as estimated (J/UJ).

MOB16

- The cooler temperature was greater than 10ºC and all results and reporting limits were qualified as estimated (J/UJ) for sample FB 54TR 070809.

- The matrix spike and matrix spike duplicate percent recoveries of magnesium was greater than 200%: therefore, results were qualified as rejected (R) in the following samples SRI-SS-12-0-0.5-7-8-09, SRI-SS-12-3.5-4.0-7-8-09, SRI-SS-18-Surface-7-8-09, SRI-SS-18-Base-7-8-09, SRI-SS-17-Surface-7-8-09, SRI-SS-

19-0-0.5-7-8-09, SRI-SS-19-3.5-4.0-7-8-09, SRI-SS-19-0-0.5-7-8-09 Dup, SRI-SS-20-0-0.5-7-8-09, and SRI-SS-20-3.5-4.0-7-8-09.

- The matrix spike and matrix spike duplicate percent recoveries of chromium, potassium, and zinc was greater than acceptance limits: therefore, results were qualified as rejected (R) in the following samples SRI-SS-12-0-0.5-7-8-09, SRI-SS-12-3.5-4.0-7-8-09, SRI-SS-18-Surface-7-8-09, SRI-SS-18-Base-7-8-09, SRI-SS-17-Surface-7-8-09, SRI-SS-19-0-0.5-7-8-09, SRI-SS-19-3.5-4.0-7-8-09, SRI-SS-19-0-0.5-7-8-09 Dup, SRI-SS-20-0-0.5-7-8-09, and SRI-SS-20-3.5-4.0-7-8-09.

- The field duplicate relative percent difference of calcium was greater than 200%: therefore, results were qualified as rejected (R) in the following samples SRI-SS-19-0-0.5-7-8-09 and SRI-SS-19-0-0.5-7-8-09 Dup.

- The field duplicate relative percent difference of barium, chromium, copper, iron, lead, magnesium, manganese, vanadium, and zinc were greater the acceptance limits: therefore, results were qualified as estimated (J) in the following samples SRI-SS-19-0-0.5-7-8-09 and SRI-SS-19-0-0.5-7-8-09 Dup.

- Nickel was detected in the preparation blank and the result for samples SRI-SS-12-0-0.5-7-8-09 and SRI-SS-12-3.5-4.0-7-8-09 were qualified as undetected (U) due to blank contamination.

- Calcium was detected in the preparation blank and the result for samples SRI-SS-12-3.5-7.0-7-8-09, SRI-SS-19-0-0.5-7-8-09, and SRI-SS-0-0.5-7-8-09 Dup were qualified as undetected (U) due to blank contamination.

- Magnesium was detected in the preparation blank and the result for samples SRI-SS-12-0-0.5-7-8-09, SRI-SS-12-3.5-4.0-7-8-09, SRI-SS-18-Surface 7-8-09, SRI-SS-18-Base-7-8-09, SRI-SS-17-Surface-7-8-09, SRI-SS-19-0-0.5-7-8-09, SRI-SS-19-3.5-4.0-7-8-09, SRI-SS-19-0-0.5-7-8-09 Dup, SRI-SS-20-0-0.5-7-8-09, and SRI-SS-20-3.5-4.0-7-8-09 were qualified as undetected (U) due to blank contamination.

- Antimony was detected in the continuing calibration blank 2 and the result for sample SRI-SS-18-Surface-7-8-09 was qualified as undetected (U) due to blank contamination.

- Cadmium was detected in the continuing calibration blank 2 and the result for sample SRI-SS-19-0-0.5-7-8-09 was qualified as undetected (U) due to blank contamination.

MOB17

- Cobalt was detected in the initial calibration blank and the result for samples SRI-DGT-1-15-7-9-09 Total/Dissolved and SRI-DGT-1-30-7-9-09 Total/Dissolved were qualified as undetected (U) due to blank contamination.

- Cadmium was detected in the initial calibration blank and the result for sample SRI-DGT-1-30-7-9-09 Total was qualified as undetected (U) due to blank contamination.

MOB18

- Cobalt was detected in the initial calibration blank and the result for samples SRI-DGT-2-15-7-9-09 Total/Dissolved and SRI-DGT-2-30-7-9-09 Total/Dissolved were qualified as undetected (U) due to blank contamination.

MOB19

- Magnesium was detected in the preparation blank and the result for sample FB 8040DT-071309 was qualified as undetected (U) due to blank contamination.

- Copper was detected in the continuing calibration blank 2 and the result for samples SRI-DGT-3-15-7-13-09 Total/Dissolved were qualified as undetected (U) due to blank contamination.

- Nickel was detected in the field blank (FB8040DT-071309) and the result for sample SRI-DGT-3-45-7-13-09 Dissolved was qualified as undetected (U) due to blank contamination.

- The matrix spike percent recovery of aluminum was greater than 200%: therefore, results were qualified as rejected (R) in the following samples SRI-DGT-3-15-7-13-09 Total/Dissolved, SRI-DGT-3-30-7-13-09 Total/Dissolved, and SRI-DGT-3-45-7-13-09 Total.

- The dissolved results are greater than twenty percent of the total results in samples SRI-DGT-3-15-7-13-09 Total/Dissolved (iron, nickel, potassium), SRI-DGT-3-30-7-13-09 Total/Dissolved (iron, nickel, potassium, zinc), and SRI-DGT-3-45-7-13-09 Total/Dissolved (iron, nickel, potassium, sodium, zinc), the detected results were qualified as estimated (J).

MOB21

- Calcium was detected in the preparation blank and the result for samples SRI-17-8-7-16-09, SRI-17-16-7-16-09, SRI-17-20-7-16-09, SRI-17-25-7-16-09, SRI-17-75-7-16-09, SRI-11-8-7-16-09, SRI-11-12-7-16-09, SRI-11-20-7-16-09, SRI-11-50-7-16-09, and SRI-11-72-7-16-09 were qualified as undetected (U) due to blank contamination.

- Mercury was detected in the preparation blank and the result for samples SRI-17-8-7-16-09, SRI-17-12-7-16-09, SRI-17-20-7-16-09, SRI-17-25-7-16-09, SRI-17-75-7-16-09, SRI-11-8-7-16-09, SRI-11-16-7-16-09, and SRI-11-50-7-16-09 were qualified as undetected (U) due to blank contamination.

- The matrix spike and matrix spike duplicate percent recoveries of potassium was greater than 200%: therefore, results were qualified as rejected (R) in the following samples SRI-17-4-7-16-09, SRI-17-8-7-16-09, SRI-17-12-7-16-09, SRI-17-16-7-16-09, SRI-17-20-7-16-09, SRI-17-25-7-16-09, SRI-17-41-7-16-09, SRI-11-4-7-17-09, SRI-11-8-7-17-09, SRI-11-12-7-17-09, SRI-11-16-7-17-09, SRI-11-20-7-17-09, SRI-11-50-7-17-09, and SRI-11-72-7-17-09.

- The matrix spike and matrix spike duplicate percent recoveries of antimony and zinc were outside the acceptance limits; therefore, results and reporting limits were qualified as estimated (J/UJ) in the following samples SRI-17-4-7-16-09, SRI-17-8-7-16-09, SRI-17-12-7-16-09, SRI-17-16-7-16-09, SRI-17-20-7-16-09, SRI-17-25-7-16-09, SRI-17-41-7-16-09, SRI-11-4-7-17-09, SRI-11-8-7-17-09, SRI-11-12-7-17-09, SRI-11-16-7-17-09, SRI-11-20-7-17-09, SRI-11-50-7-17-09, and SRI-11-72-7-17-09.

- The matrix spike and matrix spike duplicate percent recoveries of chromium were outside the acceptance limits; therefore, results were qualified as estimated (J) in the following samples SRI-17-4-7-16-09, SRI-17-8-7-16-09, SRI-17-12-7-16-09, SRI-17-16-7-16-09, SRI-17-20-7-16-09, SRI-17-25-7-16-09, SRI-17-41-7-16-09, SRI-11-4-7-17-09, SRI-11-8-7-17-09, SRI-11-12-7-17-09, SRI-11-16-7-17-09, SRI-11-20-7-17-09, SRI-11-50-7-17-09, and SRI-11-72-7-17-09.

MOB22

- The serial dilution percent difference acceptance limit was exceeded for alumium and barium and the following samples SRI-DGT-4-15-7-15-09 Total/Dissolved, SRI-DGT-4-30-7-15-09 Total/Dissolved, SRI-DGT-4-45-7-15-09 Total/Dissolved, SRI-DGT-5-15-7-16-09 Total/Dissolved, SRI-DGT-5-30-7-16-09 Total/Dissolved, SRI-DGT-5-45-7-16-09 Total/Dissolved, and SRI-DGT-5-30-Dup Total/Dissolved were qualified as estimated (J/UJ).

MOB23

- Copper was detected in continuing calibration blank and the result in sample FB071709-8040 was qualified as undetected due to blank contamination (U).

MOB24

- The serial dilution percent difference acceptance limit was exceeded for total nickel and total zinc and the following samples SRI-DGT-7-15-072309, SRI-DGT-7-30-072309, SRI-DGT-7-45-072309, SRI-GP2-15-072309, SRI-GP2-45-072309, SRI-DGT-5-60-072209, SRI-DGT-6-15-072209, SRI-DGT-6-30-072209, SRI-DGT-6-45-072209, SRI-DGT-7-60-072209, and SRI-DGT-7-60-072209Dup were qualified as estimated (J/UJ).

MOB28

- The matrix spike and/or matrix spike duplicate percent recoveries of chromium, vanadium, and zinc were greater than 200%: therefore, results were qualified as rejected (R) in the following samples SRI-5-4-8-5-09, SRI-5-8-8-5-09, SRI-5-12-8-5-09, SRI-5-16-8-5-09, SRI-5-20-8-5-09, SRI-3-4-8-5-09, SRI-3-8-8-5-09, SRI-3-12-8-5-09, SRI-3-16-8-5-09, SRI-3-20-8-5-09, SRI-20-16-8-6-09, SRI-20-20-8-6-09, SRI-20-20-8-6-09Dup, SRI-9-16-8-6-09, and SRI-9-20-8-6-09.

- The matrix spike and/or matrix spike duplicate percent recoveries of arsenic, calcium, magnesium, manganese, and potassium were greater than the acceptance limits: therefore, results were qualified as estimated (J) in the following samples SRI-5-4-8-5-09, SRI-5-8-8-5-09, SRI-5-12-8-5-09, SRI-5-16-8-5-09, SRI-5-20-8-5-09, SRI-3-4-8-5-09, SRI-3-8-8-5-09, SRI-3-12-8-5-09, SRI-3-16-8-5-09, SRI-3-20-8-5-09, SRI-20-16-8-6-09, SRI-20-20-8-6-09, SRI-20-20-8-6-09Dup, SRI-9-16-8-6-09, and SRI-9-20-8-6-09.

- The matrix spike and/or matrix spike duplicate RPD of calcium, chromium, manganese, vanadium, and zinc were greater than the acceptance limits: therefore, results and reporting limits were qualified as estimated (J/UJ) in the following samples SRI-5-4-8-5-09, SRI-5-8-8-5-09, SRI-5-12-8-5-09, SRI-5-16-8-5-09, SRI-5-20-8-5-09, SRI-3-4-8-5-09, SRI-3-8-8-5-09, SRI-3-12-8-5-09, SRI-3-16-8-5-09, SRI-3-20-8-5-09, SRI-20-16-8-6-09, SRI-20-20-8-6-09, SRI-20-20-8-6-09Dup, SRI-9-16-8-6-09, and SRI-9-20-8-6-09.

- The laboratory duplicate relative percent difference or difference of aluminum, iron, and vanadium were outside acceptance limits: therefore, results were qualified as rejected in sample SRI-5-4-8-5-09.

- Calcium was detected in the field blank (Field Blank 6620-8-5-09) and the result for sample SRI-5-4-8-5-09, SRI-5-8-8-5-09, SRI-5-12-8-5-09, SRI-5-16-8-5-09, SRI-5-20-8-5-09, SRI-3-8-8-5-09, SRI-3-12-8-5-09, SRI-3-16-8-5-09, and SRI-3-

20-8-5-09 were qualified as undetected (U) due to blank contamination.

- The serial dilution percent difference acceptance limit was exceeded for barium and the following samples SRI-5-4-8-5-09, SRI-5-8-8-5-09, SRI-5-12-8-5-09, SRI-5-16-8-5-09, SRI-5-20-8-5-09, SRI-3-4-8-5-09, SRI-3-8-8-5-09, SRI-3-12-8-5-09, SRI-3-16-8-5-09, SRI-3-20-8-5-09, SRI-20-16-8-6-09, SRI-20-20-8-6-09, SRI-20-20-8-6-09Dup, SRI-9-16-8-6-09, SRI-9-20-8-6-09, and Field Blank 6620-8-5-09 were qualified as estimated (J).

MOB32

- Arsenic was detected in the initial calibration and continuing calibration blank 1 and the result in sample SRI-GP-2-100-8-21-09 was qualified as undetected due to blank contamination (U).

- Selenium was detected in the initial calibration and continuing calibration blank 2 and the result in samples SRI-13-4-8-19-09 and SRI-13-8-8-19-09 were qualified as undetected due to blank contamination (U).

- Calcium was detected in the preparation blank and the result in samples SRI-13-20-8-19-09, SRI-1-75-8-20-09, and SRI-SS-16-3.5-4.0-8-20-09 were qualified as undetected due to blank contamination (U).

- Magnesium was detected in the initial calibration and continuing calibration blank 2 and the result in sample SRI-13-20-8-19-09 was qualified as undetected due to blank contamination (U).

- Antimony was detected in the initial calibration and the result in sample SRI-1-8-8-20-09 was qualified as undetected due to blank contamination (U).

- Zinc was detected in the continuing calibration blank 3 and the result in sample SRI-1-20-8-20-09 was qualified as undetected due to blank contamination (U).

- The serial dilution percent difference acceptance limit was exceeded for barium and the following samples SRI-13-4-8-19-09, SRI-13-8-8-19-09, SRI-13-12-8-19-09, SRI-13-16-8-19-09, SRI-13-20-8-19-09, SRI-1-4-8-20-09, SRI-1-8-8-20-09, SRI-1-12-8-20-09, SRI-1-16-8-20-09, SRI-1-20-8-20-09, SRI-1-50-8-20-09, SRI-1-75-8-20-09, SRI-SS-16-0.5-1.0-8-20-09, and SRI-SS-16-3.5-4.0-8-20-09 were qualified as estimated (J).

MOB33

- Dissolved calcium was detected in the preparation blank and the result in sample Equip Blank 8-21-09 was qualified as undetected due to blank contamination (U).

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October 12, 2011

Mr. Jim Peterson
Princeton Geoscience, Inc.
15 Vandeventer Avenue
Princeton, New Jersey 08542-6920

Re: Data Validation Report
CPS/Madison Superfund Site
March 2011 Water Sampling Events

Dear Mr. Peterson:

The data validation summaries are attached to this letter for the CPS/Madison Superfund Site, March 2011 water sampling events. The data for Lancaster Laboratories SGD Nos. COB30, CPS30, CPS31, MOB41, and RUY22 were mostly acceptable with issues that are identified in the validation summaries. There were metal data that were rejected (R) in data packs CPS30 and CPS31. The metal results were flagged 'R' due to unacceptable levels of metals in the field blanks. The data is rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of data validation qualifiers and acronyms is attached to assist you with interpreting the summary reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Princeton Geoscience, Inc.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

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QA/QC Review of 8260 Volatiles Data for Lancaster Laboratories, SDG No: COB30

4 Water Samples
Collected March 24, 2011

Prepared by: Donald Anné
October 12, 2011

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for aqueous samples LCSC93 and LCDC93.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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QA/QC Review of TAL Metals Data for Lancaster Laboratories, SDG No: COB30

4 Water Samples
Collected March 24, 2011

Prepared by: Donald Anné
October 12, 2011

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for TAL metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

CRDL Standard for AA and ICP: The percent recoveries for target metals were within laboratory QC limits (50-150%).

Blanks: The analyses of initial and continuing calibration, and preparation, and field blanks reported TAL metals as below the CRQLs, as required (Field blank data from SDG RUY22).

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries (%Rs) for applicable metals were within control limits (75-125%) for total aqueous MS/MSD sample EPA-2-032311 and filtered aqueous MS/MSD sample EPA-2-032311 (This data is from SDG: RUY22).

The %R for mercury was within control limits (75-125%) for total aqueous MS/MSD sample WCC-3M-032411.

Laboratory Duplicates: The relative percent differences (RPDs) for target metals were below the allowable maximum (20%) for total aqueous MS/MSD sample EPA-2-032311; filtered aqueous MS/MSD sample EPA-2-032311; total aqueous duplicate sample EPA-2-032311DUP; and filtered aqueous duplicate sample EPA-2-032311DUP, as required (This data is from SDG: RUY22).

The RPD for mercury was below the allowable maximum (20%) for total aqueous MS/MSD sample WCC-3M-032411, as required.

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Laboratory Control Sample: The percent recoveries for target metals were within control limits (80-120%) for total and filtered aqueous laboratory control sample.

ICP Serial Dilution: The %Ds for applicable metals were below the allowable maximum (10%) for aqueous total serial dilution sample EPA-2-032311 and filtered serial dilution sample EPA-2-032311, as required (This data is from SDG: RUY22).

Instrument Detection Limits: The IDLs were at or below the MRLs, as required.

Dissolved vs Total: The applicable detected results for filtered metals were less than the total results plus 20% for samples in this SDG, as required.

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February 4, 2011

Mr. Jim Peterson
Princeton Geoscience, Inc.
15 Vandeventer Avenue
Princeton, New Jersey 08542-6920

Re: Data Validation Report
CPS/Madison Superfund Site
December 2010 Water Sampling Events

Dear Mr. Peterson:

The data validation summaries are attached to this letter for the CPS/Madison Superfund Site, December 2010 water sampling events. The data for Lancaster Laboratories SGD Nos. CPS21 and CPS22 were acceptable with minor issues that are identified in the validation summaries. There were no data that were rejected (R) in these data packs.

A list of data validation qualifiers and acronyms is attached to assist you with interpreting the summary reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Princeton Geoscience, Inc.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

LETTER OF TRANSMITTAL

ALPHA GEOSCIENCE
679 Plank Road
Clifton Park, NY 12065
(518) 348 -6995 Phone
(518) 348-6966 FAX

TO: Laura McMahon
Data Manager
BASF US 01
195 Oak Ridge Parkway
Toms River, NJ 08755

FROM: Don Anne'

DATE: 2/4/2011

SUBJECT: Data Validation
CPS Madison Superfund Site
2010 Water Sampling Events

WE ARE TRANSMITTING THE FOLLOWING ITEMS:

_____ Photographs
_____ Maps/Plans
_____ Report(s)
_____ Letter(s)
_____ Disk(s)
__X__ Other: Data Packages

Originals	Copies	Description of Materials
1		Lancaster Laboratories, SDG No. CPS21
1		Lancaster Laboratories, SDG No. CPS22

These Materials are Transmitted:

_____ For your use
_____ For your approval
_____ For your review and comment
_____ Approved as submitted
_____ Approved as noted
__X__ Returned after loaned to us
_____ Returned for revision

Please: _____ Return original to us
_____ Submit after revision
_____ Retain for your files
_____ Other

REMARKS:

Returned upon completion of data validation

ADDITIONAL COPIES TO:

cc: James Peterson

SIGNATURE: Donald Anne

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.

J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

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QA/QC Review of 8260 Volatiles Data for Lancaster Laboratories, SDG No: CPS21

8 Water Samples, 1 Field Duplicate
3 Field Blanks, and 2 Trip Blanks
Collected December 8-10, 2010

Prepared by: Donald Anné
February 4, 2011

Holding Times: The samples were analyzed within NYSDEC ASP holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.050), as required.

The %D for methyl acetate was above the allowable maximum (25%) on 12-14-10 (gd14c01.d). Positive results for methyl acetate should be considered estimated (J) in associated samples.

Blanks: The analyses of method and trip blanks reported target compounds as not detected. Field blank FB-120810 contained a trace chloroform (0.2 ug/L). Field blank FB-120910 contained traces acetone (27 ug/L), chloroform (0.2 ug/L), methylene chloride (0.2 ug/L), and xylenes (0.2 ug/L). Field blank FB-121010 contained traces acetone (9.6 ug/L), chloroform (0.2 ug/L), methylene chloride (0.4 ug/L), ethylbenzene (0.5 ug/L), and xylenes (1.9 ug/L). Positive results for acetone and methylene chloride that are less than ten times the highest blank level should be reported as not detected (U) in associated samples. Positive results for chloroform, ethylbenzene, and xylenes that are less than five times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

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Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike: Two of 45 percent recoveries for target compounds were above QC limits for aqueous MS batch G103481AA. No action is taken on MS data alone to qualify or reject an entire set of samples.

Laboratory Control Sample/Laboratory Control Sample Duplicate: The relative percent differences for target compounds were below the allowable maximums, but 2 of 2 percent recoveries for methyl acetate were above QC limits for aqueous sample batch G103481AA. Positive results for methyl acetate should be considered estimated (J) in associated samples.

Field Duplicate: The relative percent difference for carbon disulfide was above the allowable maximum (20%) for field duplicate pair GW-SW-10-4-5/GW-SW-10-4-5-D (attached table). The results for carbon disulfide should be considered estimated (J) in samples GW-SW-10-4-5 and GW-SW-10-4-5-D.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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QA/QC Review of 8011 EDB/DBCP Data for Lancaster Laboratories, SDG No: CPS21

8 Water Samples, 1 Field Duplicate, 3 Field Blanks, and 2 Trip Blanks Collected December 8-10, 2010

Prepared by: Donald Anné
February 4, 2011

Holding Times: The samples were analyzed within NYSDEC ASP holding times.

Initial Calibration: The %RSDs for ethylene dibromide (EDB) and 1,2-dibromo-3-chloropropane (DBCP) were below the allowable maximum (20%), as required.

Continuing Calibration: The %Ds for EDB and DBCP were below the allowable maximum (15%), as required.

Blanks: The analyses of method, trip, and field blanks reported EDB and DBCP as not detected.

Analytical Sequence: The %Ds for the retention time shift of PCA were below the allowable maximum, as required.

Surrogate Recovery: The surrogate recovery for sample GW-SW-8-2-3 was above QC limits. Positive results for sample GW-SW-8-2-3 should be considered estimated (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for EDB and DBCP were below the allowable maximums and the percent recoveries were within QC limits for aqueous MS/MSD samples GW-SW-3-2-3.

Laboratory Control Sample: The relative percent differences for EDB and DBCP were below the allowable maximums and the percent recoveries were within QC limits for aqueous LCS/LCSD batches 103500040A and 103550025A.

Field Duplicate: The analyses of field duplicate pair GW-SW-10-4-5/GW-SW-10-4-5-D reported EDB and DBCP as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: The analyses of samples in this SDG reported EDB and DBCP as not detected.

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QA/QC Review of 8270 Semi-Volatile Data
for Lancaster Laboratories, SDG No: CPS21

8 Water Samples, 1 Field Duplicate,
and 3 Field Blanks
Collected December 8-10, 2010

Prepared by: Donald Anné
February 4, 2011

Holding Times: Samples were extracted and analyzed within NYSDEC ASP holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.050), as required.

The %RSDs for 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol were above the allowable maximum (30%) for TE17211 on 12-30-10. Positive results for these 2 compounds should be considered estimated (J) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.050), as required.

The %Ds for 1,4-dioxane and n-initrosodimethylamine were above the allowable maximum (25%) on 12-31-10 (bl492.d). Positive results for these 2 compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blank reported target compounds as not detected. Field blank FB-120810 contained traces of naphthalene (0.1 ug/L), butylbenzylphthalate (0.2 ug/L), and bis(2-ethylhexyl)phthalate (0.5 ug/L). Field blank FB-120910 contained traces of acetophenone (0.1 ug/L), di-n-butylphthalate (0.2 ug/L), diethylphthalate (1 ug/L), and bis(2-ethylhexyl)phthalate (0.7 ug/L). Field blank FB-121010 contained traces of acetonphenone (0.1 ug/L), di-n-butylphthalate (0.2 ug/L), and bis(2-ethylhexyl)phthalate (0.4 ug/L). Positive results for naphthalene and acetophenone that are less than five times the highest blank level should be reported as not detected (U) in associated samples.

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Positive results for butylbenzylphthalate, di-n-butylphthalate, diethylphthalate, and bis(2-ethylhexyl)phthalate that are less than ten times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: One of 56 relative percent differences for target compounds was above the allowable maximums and 1 of 112 percent recoveries was above QC limits for aqueous MS/MSD sample GW-SW-3-2-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples. (This data is from SDG no. CPS22)

Laboratory Control Sample/Laboratory Control Sample Duplicate: The relative percent differences for 2,4-dinitrophenol, hexachlorocyclopentadiene, and benzidine were above the allowable maximum for aqueous LCS/LCSD batch 10348WAJ026. Positive results for 2,4-dinitrophenol, hexachlorocyclopentadiene, and benzidine should be considered estimated (J) in associated samples.

One of two percent recoveries for 2,4-dinitrophenol and 2-methylnaphthalene were below QC limits for aqueous LCS/LCSD batch 10348WAJ026. Positive and "not detected" results for 2,4-dinitrophenol and 2-methylnaphthalene should be considered estimated (J) in associated samples.

Field Duplicate: The analyses of field duplicate pair GW-SW-10-4-5/GW-SW-10-4-5-D reported target compounds as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

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QA/QC Review of TAL Metals Data for Lancaster Laboratories, SDG No: CPS21

8 Water Samples, 1 Field Duplicate, and 3 Field Blanks Collected December 8-10, 2010

Prepared by: Donald Anné
February 4, 2011

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for TAL metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

CRDL Standard for AA and ICP: The percent recoveries for target metals were within laboratory QC limits (50-150%).

Blanks: The analyses of initial and continuing calibration, preparation, and field blanks reported TAL metals as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for applicable metals were within control limits (75-125%) for aqueous total MS/MSD samples GW-SW-13-2-3 and GW-SW-12-2-3.

Laboratory Duplicates: The relative percent differences for target metals were below the allowable maximum (20%) for aqueous total MS/MSD samples GW-SW-13-2-3 and GW-SW-12-2-3 and aqueous total duplicate samples GW-SW-13-2-3 and GW-SW-12-2-3, as required.

Field Duplicate: The relative percent differences for applicable metals were below the allowable maximum (20%) for total and dissolved field duplicate pair GW-SW-10-4-5/GW-SW-10-4-5-D (attached table), as required.

Laboratory Control Sample: The percent recoveries for target metals were within control limits (80-120%) for aqueous laboratory control samples.

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ICP Serial Dilution: The %Ds for applicable metals were below the allowable maximum (10%) for aqueous total serial dilution sample GW-SW-12-2-3, as required.

Instrument Detection Limits: The IDLs were at or below the MRLs, as required.

Dissolved vs Total: The applicable detected results for dissolved metals were less than the total results plus 10% for samples in these SDG, as required.

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. CPS21

S1= gw-sw-10-4-5 **S2=** gw-sw-10-4-5-d

Analyte	S1	S2	RPD (%)	
acetone	49	52	6%	
carbon disulfide	0.5	0.4	22%	*
toluene	0.1	0.1	0%	

Results are in units of ug/L.

NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

* RPD is above the allowable maximum (20%)

Total Metals

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. CPS21

S1= gw-sw-10-4-5 **S2=** gw-sw-10-4-5-d

Analyte	S1	S2	RPD (%)
aluminum	1.60	1.67	4%
antimony	ND	ND	NC
arsenic	ND	ND	NC
barium	0.0254	0.0253	0%
beryllium	0.0014	0.0014	0%
cadmium	ND	ND	NC
calcium	7.56	7.42	2%
chromium	0.0038	0.0040	5%
cobalt	0.0081	0.0085	5%
copper	0.0097	0.0099	2%
iron	17.2	17.4	1%
lead	ND	ND	NC
magnesium	3.49	3.46	1%
manganese	0.226	0.231	2%
mercury	ND	ND	NC
nickel	0.0161	0.0167	4%
potassium	1.51	1.74	14%
selenium	ND	ND	NC
silver	ND	ND	NC
sodium	25.9	26.5	2%
thallium	ND	ND	NC
vanadium	0.0113	0.0115	2%
zinc	0.566	0.582	3%

Samples results are reported in mg/L

ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

* RPD is above the allowable maximum (20%)

Dissolved Metals

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. RTH0486

S1= gw-sw-10-4-5 **S2=** gw-sw-10-4-5-d

Analyte	S1	S2	RPD (%)
aluminum	ND	ND	NC
antimony	ND	ND	NC
arsenic	ND	ND	NC
barium	0.0201	0.0198	2%
beryllium	0.0014	0.0014	0%
cadmium	ND	ND	NC
calcium	7.33	7.15	2%
chromium	ND	ND	NC
cobalt	0.0086	0.0082	5%
copper	0.0043	0.0051	17%
iron	10.4	10.2	2%
lead	ND	ND	NC
magnesium	3.39	3.34	1%
manganese	0.225	0.221	2%
mercury	ND	ND	NC
nickel	0.0141	0.0141	0%
potassium	1.43	1.37	4%
selenium	ND	ND	NC
silver	ND	ND	NC
sodium	26.1	25.6	2%
thallium	ND	ND	NC
vanadium	ND	ND	NC
zinc	0.525	0.519	1%

Samples results are reported in mg/L

ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

* RPD is above the allowable maximum (20%)

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QA/QC Review of 8260 Volatiles Data for Lancaster Laboratories, SDG No: CPS22

6 Water Samples, 1 Field Blank, and 1 Trip Blank Collected December 14 and 15, 2010

Prepared by: Donald Anné
February 4, 2011

Holding Times: The samples were analyzed within NYSDEC ASP holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

Blanks: Trip blank TB-121510 contained a trace methylene chloride (0.2 ug/L). Field blank FB-121510 contained traces chloroform (0.2 ug/L), methylene chloride (0.2 ug/L), and xylenes (0.3 ug/L). Positive results for methylene chloride that are less than ten times the highest blank level should be reported as not detected (U) in associated samples. Positive results for chloroform and xylenes that are less than five times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximums and the percent recoveries were within QC limits for aqueous MS/MSD sample GW-SW-3-2-3.

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Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for aqueous sample batch C103621AA.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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QA/QC Review of 8011 EDB/DBCP Data for Lancaster Laboratories, SDG No: CPS22

6 Water Samples,
1 Field Blank, and 1 Trip Blank
Collected December 14 and 15, 2010

Prepared by: Donald Anné
February 4, 2011

Holding Times: The samples were analyzed within NYSDEC ASP holding times.

Initial Calibration: The %RSD for ethylene dibromide (EDB) was above the allowable maximum (20%) for H5262A on 12-28-10. Positive results for EDB should be considered estimated (J) in associated samples.

Continuing Calibration: The %Ds for ethylene dibromide (EDB) and 1,2-dibromo-3-chloropropane (DBCP) were below the allowable maximum (15%), as required.

Blanks: The analyses of method, trip, and field blanks reported EDB and DBCP as not detected.

Analytical Sequence: The %Ds for the retention time shift of PCA were below the allowable maximum, as required.

Surrogate Recovery: The surrogate recoveries for samples GW-SW-5-1.5-2.5, GW-SW-1-3.5-4.5, and GW-SW-2-2-3 were above QC limits. Positive results for samples GW-SW-5-1.5-2.5, GW-SW-1-3.5-4.5, and GW-SW-2-2-3 should be considered estimated (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for EDB and DBCP were below the allowable maximums and the percent recoveries were within QC limits for aqueous MS/MSD sample GW-SW-3-2-3.

Laboratory Control Sample: The relative percent differences for EDB and DBCP were below the allowable maximums and the percent recoveries were within QC limits for aqueous LCS/LCSD batches 103550025A and 103610020A.

Compound ID: The analyses of samples in this SDG reported EDB and DBCP as not detected.

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QA/QC Review of 8270 Semi-Volatile Data
for Lancaster Laboratories, SDG No: CPS22

5 Water Samples and 1 Field Blank
Collected December 14 and 15, 2010

Prepared by: Donald Anné
February 4, 2011

Holding Times: Samples were extracted and analyzed within NYSDEC ASP holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.050), as required.

The %RSDs for hexachlorocyclopentadiene, 2,4-dinitrophenol and 4,6-dinitro-2-methylphenol were above the allowable maximum (30%) for TE17211 on 01-19-11. Positive results for these 3 compounds should be considered estimated (J) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analysis of the method blank reported target compounds as not detected. Field blank FB-121510 contained a trace of bis(2-ethylhexyl)phthalate (0.3 ug/L). Positive results for bis(2-ethylhexyl)phthalate that are less than ten times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

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Matrix Spike/Matrix Spike Duplicate: One of 56 relative percent differences for target compounds was above the allowable maximums and 1 of 112 percent recoveries was above QC limits for aqueous MS/MSD sample GW-SW-3-2-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recovery for 2,4-dinitrotoluene was above QC limits for aqueous sample 354WHLCS. Positive results for 2,4-dinitrotoluene should be considered estimated (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

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QA/QC Review of TAL Metals Data for Lancaster Laboratories, SDG No: CPS22

6 Water Samples and 1 Field Blank Collected December 14 and 15, 2010

Prepared by: Donald Anné
February 4, 2011

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for TAL metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

CRDL Standard for AA and ICP: The percent recoveries for target metals were within laboratory QC limits (50-150%).

Blanks: The analyses of initial and continuing calibration, preparation, and field blanks reported TAL metals as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for applicable metals were within control limits (75-125%) for aqueous total and dissolved MS/MSD sample GW-SW-3-2-3.

Laboratory Duplicates: The relative percent differences for target metals were below the allowable maximum (20%) for aqueous total and dissolved MS/MSD sample GW-SW-3-2-3 and aqueous total and dissolved duplicate sample GW-SW-3-2-3, as required.

Laboratory Control Sample: The percent recoveries for target metals were within control limits (80-120%) for aqueous laboratory control samples.

ICP Serial Dilution: The %D for barium was above the allowable maximum (10%) for aqueous total serial dilution sample GW-SW-3-2-3. Positive results for barium should be considered estimated (J) in associated total samples.

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The %Ds for calcium, copper, and magnesium were above the allowable maximum (10%) for aqueous dissolved serial dilution sample GW-SW-3-2-3. Positive results for calcium, copper, and magnesium should be considered estimated (J) in associated dissolved samples.

Instrument Detection Limits: The IDLs were at or below the MRLs, as required.

Dissolved vs Total: The applicable detected results for dissolved metals were less than the total results plus 10% for samples in these SDG, as required.

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September 14, 2011

Mr. Jim Peterson
Princeton Geoscience, Inc.
15 Vandeventer Avenue
Princeton, New Jersey 08542-6920

Re: Data Validation Report
CPS/Madison Superfund Site
July 2011 Soil Sampling Events

Dear Mr. Peterson:

The data validation summaries are attached to this letter for the CPS/Madison Superfund Site, March 2011 water sampling events. The data for Lancaster Laboratories SDG No.CPS47 were acceptable with minor issues that are identified in the validation summaries. There were no data that were rejected (R) in the data pack.

A list of data validation qualifiers and acronyms is attached to assist you with interpreting the summary reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Princeton Geoscience, Inc.

Sincerely,
Alpha Geoscience.

Donald Anné

Donald Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.

J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

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QA/QC Review of Method 8260 Volatiles Data for Lancaster Laboratories, SDG No: CPS47

19 Soil Samples, 1 Field Duplicate, 2 Field Blanks, and 2 Trip Blanks Collected July 11 and 12, 2011

Prepared by: Donald Anné
September 14, 2011

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for 4-methyl-2-pentanone and 2-hexanone were above the allowable maximum (25%) on 07-14-11 (x114c01.d). The %Ds for 1,4-dioxane and 1,2,3-trichlorobenzene were above the allowable maximum (25%) on 07-18-11 (q118c31.d). The %D for bromomethane was above the allowable maximum (25%) on 07-21-11 (q121c01.d). Positive results for these compounds should be considered estimated (J) in associated samples

Blanks: Method blank VBLKX78 contained a trace methylene chloride (2 ug/kg). Field blank FB-071111 contained traces chloroform (0.1 ug/L) and methylene chloride (0.2 ug/L). Field blank FB-071211 contained a trace methylene chloride (0.3 ug/L). Positive results for methylene chloride that are less than ten times the highest blank level should be reported as not detected (U) in associated samples. Positive results for chloroform that are less than five times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard retention times were within control limits. One of four (DCB) for sample SR-SS-31-0-6 was below control limits. One of four (TBA)

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for sample SR-SS-35-18-24DL was below control limits. Positive and "not detected" results for samples SRI-SS-31-0-6 and SRI-SS-35-14-24DL that are quantitated using internal standards with areas below control limits should be considered estimated (J).

Surrogate Recovery: One of four surrogate recoveries for samples SRI-SS-31-0-6DL and SRI-SS-35-18-24 was below control limits, but was not below 10%. Positive and "not detected" results should be considered estimated (J) in samples SRI-SS-35-18-24 and SRI-SS-31-0-6DL.

Matrix Spike/Matrix Spike Duplicate: One of 55 relative percent differences was above the allowable maximum and 6 of 110 percent recoveries were above QC limits for soil MS/MSD sample SRI-SS-37-0-6.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximums and the percent recoveries were within QC limits for aqueous samples LCSG57 and LCSDG57 the following soil samples:

LCSQ89	LCSQ90	LCSQ91	LCSQ92	LCSX77	LCSX78
LCSDQ89	LCSDQ90	LCADQ91	LCSDQ92	LCSDX77	

Field Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (35%) for field duplicate pair SRI-SS-27-0-6/SRI-SS-27-0-6D (attached table), as required.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. CPS47

S1= sri-ss-27-0-6 **S2=** sri-ss-27-0-6-d

Analyte	S1	S2	RPD (%)
acetone	21	23	9%
toluene	1	1	0%

Results are in units of ug/kg.

* RPD is above the allowable maximum (35%)

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QA/QC Review of Method 8270 Semi-Volatile (Low Level) Data for Lancaster Laboratories, SDG No: CPS47

2 Field Blanks
Collected July 11 and 12, 2011

Prepared by: Donald Anné
September 14, 2011

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (25%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analyses of the method blank reported target compounds as not detected. Field blank FB-071111 contained traces of benzo(a)pyrene (0.1 ug/L), benzo(b)fluoranthene (0.2 ug/L), benzo(k)fluoranthene (0.1 ug/L), chrysene (0.2 ug/L), fluoranthene (0.3 ug/L), phenanthrene (0.3 ug/L), and pyrene (0.3 ug/L). Positive results for these compounds that are less than five times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the field blanks.

Laboratory Control Sample/Laboratory Control Sample Duplicate: The relative percent differences (RPDs) for target compounds were below the allowable maximum for aqueous LCS/LCSD batch 11193WAF026, as required.

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The RPDs for benzidine was above the allowable maximum for aqueous LCS/LCSD batch 11199WAJ026. Positive results for benzidine should be considered estimated (J) in associated aqueous samples.

One of two percent recoveries (%Rs) for 2,4-dinitrophenol was below QC limits for aqueous LCS/LCSD batch 11193WAF026. Positive and "not detected" results for 2,4-dinitrophenol should be considered estimated (J) in associated aqueous samples.

Two of two percent recoveries for benzidine were above QC limits for aqueous LCS/LCSD batch 11193WAF026. One or two of two percent recoveries for the following compounds were above QC limits for aqueous LCS/LCSD batch 11199WAJ026. Positive results for these compounds should be considered estimated (J) in associated samples.

bis(2-chloroethyl)ether	2-chlorophenol	2-methylphenol
4-methylphenol	n-nitroso-di-n-propylamine	acetophenone
2,4-dichlorophenol	2,4,5-trichlorophenol	4-nitroaniline
pentachlorophenol	anthracene	benzidine

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

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QA/QC Review of 8270 Semi-Volatile Data
for Lancaster Laboratories, SDG No: CPS47

19 Soil Samples and 1 Field Duplicate
Collected July 11 and 12, 2011

Prepared by: Donald Anné
September 14, 2011

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analyses of the method blank reported target compounds as not detected. Field blank FB-071111 (from low level method) contained traces of benzo(a)pyrene (0.1 ug/L), benzo(b)fluoranthene (0.2 ug/L), benzo(k)fluoranthene (0.1 ug/L), chrysene (0.2 ug/L), fluoranthene (0.3 ug/L), phenanthrene (0.3 ug/L), and pyrene (0.3 ug/L). Positive results for these compounds that are less than five times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: One of 56 relative percent differences for target compounds was above the allowable maximums and 5 of 112 percent recoveries was below QC limits for soil MS/MSD sample SRI-SS-37-0-24. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

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Laboratory Control Sample/Laboratory Control Sample Duplicate: The percent recoveries for target compounds were within QC limits for soil samples 196LFLCS and 197LFLCS.

Field Duplicate: The relative percent differences for applicable compounds were below the allowable maximum (35%) for field duplicate pair SRI-SS-27-0-24/SRI-SS-27-0-24D (attached table), as required.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

Semi-Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. CPS47

S1= sri-ss-27-0-24 composite

S2= sri-ss-27-0-24-d composite

Analyte	S1	S2	RPD (%)
benzo(b)fluoranthene	44	42	5%
chrysene	45	44	2%
fluoroanthene	95	120	23%
phenanthrene	56	49	13%
pyrene	78	90	14%

Results are in units of ug/kg.

* RPD is above the allowable maximum (35%)

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QA/QC Review of TAL Metals Data for Lancaster Laboratories, SDG No: CPS47

2 Field Blanks
Collected July 10 and 11, 2011

Prepared by: Donald Anné
September 14, 2011

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for TAL metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Low Level Chck Standard: The percent recoveries for target metals were within laboratory QC limits (50-150%).

Blanks: The analyses of initial and continuing calibration, preparation, and field blanks reported TAL metals as below the CRQLs, as required.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: This data was not provided. No action is taken because only field blanks are associated with this data.

Laboratory Duplicates: This data was not provided. No action is taken because only field blanks are associated with this data.

Laboratory Control Sample: The percent recoveries for target metals were within control limits (80-120%) for aqueous laboratory control samples.

ICP Serial Dilution: This data was not provided. No action is taken because only field blanks are associated with this data.

Instrument Detection Limits: The IDLs were at or below the MRLs, as required.

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QA/QC Review of Method 8260 Volatiles Data for Lancaster Laboratories, SDG No: CPS47

19 Soil Samples, 1 Field Duplicate, 2 Field Blanks, and 2 Trip Blanks Collected July 11 and 12, 2011

Prepared by: Donald Anné
September 14, 2011

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for 4-methyl-2-pentanone and 2-hexanone were above the allowable maximum (25%) on 07-14-11 (x114c01.d). The %Ds for 1,4-dioxane and 1,2,3-trichlorobenzene were above the allowable maximum (25%) on 07-18-11 (q118c31.d). The %D for bromomethane was above the allowable maximum (25%) on 07-21-11 (q121c01.d). Positive results for these compounds should be considered estimated (J) in associated samples

Blanks: Method blank VBLKX78 contained a trace methylene chloride (2 ug/kg). Field blank FB-071111 contained traces chloroform (0.1 ug/L) and methylene chloride (0.2 ug/L). Field blank FB-071211 contained a trace methylene chloride (0.3 ug/L). Positive results for methylene chloride that are less than ten times the highest blank level should be reported as not detected (U) in associated samples. Positive results for chloroform that are less than five times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard retention times were within control limits. One of four (DCB) for sample SR-SS-31-0-6 was below control limits. One of four (TBA)

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for sample SR-SS-35-18-24DL was below control limits. Positive and "not detected" results for samples SRI-SS-31-0-6 and SRI-SS-35-14-24DL that are quantitated using internal standards with areas below control limits should be considered estimated (J).

Surrogate Recovery: One of four surrogate recoveries for samples SRI-SS-31-0-6DL and SRI-SS-35-18-24 was below control limits, but was not below 10%. Positive and "not detected" results should be considered estimated (J) in samples SRI-SS-35-18-24 and SRI-SS-31-0-6DL.

Matrix Spike/Matrix Spike Duplicate: One of 55 relative percent differences was above the allowable maximum and 6 of 110 percent recoveries were above QC limits for soil MS/MSD sample SRI-SS-37-0-6.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximums and the percent recoveries were within QC limits for aqueous samples LCSG57 and LCSDG57 the following soil samples:

LCSQ89	LCSQ90	LCSQ91	LCSQ92	LCSX77	LCSX78
LCSDQ89	LCSDQ90	LCADQ91	LCSDQ92	LCSDX77	

Field Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (35%) for field duplicate pair SRI-SS-27-0-6/SRI-SS-27-0-6D (attached table), as required.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Total Metals

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. CPS47

S1= sri-ss-27-0-24 composite **S2=** sri-ss-27-0-24-d composite

Analyte	S1	S2	RPD (%)	
aluminum	5790	5340	8%	
antimony	ND	ND	NC	
arsenic	3.36	2.86	16%	
barium	15.6	15.5	1%	
beryllium	0.210	0.150	33%	
cadmium	0.963	1.01	5%	
calcium	7450	8300	11%	
chromium	11.7	16.5	34%	
cobalt	2.33	2.49	7%	
copper	66.5	86.5	26%	
iron	13100	9450	32%	
lead	23.2	26.2	12%	
magnesium	1500	1660	10%	
manganese	67.9	90.1	28%	
mercury	ND	ND	NC	
nickel	4.60	5.85	24%	
potassium	384	354	8%	
selenium	ND	ND	NC	
silver	ND	ND	NC	
sodium	103	185	57%	*
thallium	1.11	0.698	46%	*
vanadium	23.4	23.9	2%	
zinc	400	545	31%	

Samples results are reported in mg/kg

ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

* RPD is above the allowable maximum (35%)

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October 24, 2012

Mr. Jim Peterson
Princeton Geoscience, Inc.
15 Vandeventer Avenue
Princeton, New Jersey 08542-6920

Re: Data Validation Report
CPS/Madison Superfund Site
September 2012 Ground Water and Soil Sampling Events

Dear Mr. Peterson:

The data validation summaries are attached to this letter for the CPS/Madison Superfund Site, September 2012 ground water and soil sampling events. The data for Lancaster Laboratories SGD Nos. CPS56, CPS57, and CPS58 were acceptable with minor issues that are identified in the validation summaries. There were no data that were rejected (R) in these data packs.

A list of data validation qualifiers and acronyms is attached to assist you with interpreting the summary reviews. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Princeton Geoscience, Inc.

Sincerely,
Alpha Geoscience.

Donald Anné

Donald Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.

R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.

N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.

J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

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QA/QC Review of 8260B Volatiles Data for Lancaster Laboratories, SDG No: CPS56

3 Ground Water Samples, 10 Soil Samples, 2 Field Blanks, and 1 Trip Blank Collected September 24, 2012

Prepared by: Donald Anné
October 24, 2012

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for bromochloromethane and methylcyclohexane were above the allowable maximum (25%) on 09-26-12 (as26c01.d). The %Ds for bromomethane and chloroethane were above the allowable maximum (25%) on 09-27-12 (rs27c01.d). The %Ds for acrolein was above the allowable maximum (25%) on 09-30-12 (cc29c01.d). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Field blank FB-092412 (aqueous) contained a trace of methylene chloride (0.3 ug/L). Field blank FB-092412 (soil) contained a trace of methylene chloride (0.2 ug/L). Positive results for methylene chloride that are less than ten times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard retention times were within control limits. One of four internal standard areas (IS4) for samples SRI-SS-51-A and SRI-SS-49-A was below control limits. Positive and "not detected" results for compounds quantitated using IS4 should be considered estimated (J) in samples SRI-SS-51-A and SRI-SS-49-A.

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Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The percent recoveries for target compounds were within QC limits, but 2 of 55 relative percent differences were above the allowable maximum for soil MS/MSD sample SRI-SS-41-H. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples. (This data is from SDG no. CPS57.)

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximums and the percent recoveries (%Rs) were within QC limits for soil samples LCSR88 and LCDR88. The %Rs for target compounds were within QC limits for soil sample LCSA92 and aqueous sample LCSC18.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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QA/QC Review of 8270C Semi-Volatile Data for Lancaster Laboratories, SDG No: CPS56

10 Soil Samples and 1 Field Blank Collected September 24, 2012

Prepared by: Donald Anné
October 24, 2012

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8270C criteria.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8270C criteria.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for benzaldehyde was above the allowable maximum (25%) on 09-30-12 (gi0811.d). Positive results for benzaldehyde should be cosnidered estimated (J) in associated samples.

Blanks: The analyses of method and field blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD sample SRI-SS-41-H. (This data is from SDG no. CPS57.)

Laboratory Control Sample: The percent recoveries (%Rs) for target compounds were within QC limits for aqueous sample 270LWBLCS.

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The %R for 2-chloronaphthalene was above QC limits for soil sample 271LCLCS. Positive results for 2-chloronaphthalene should be considered estimated (J) in associated soil samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

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QA/QC Review of 8082 PCB Data for
Lancaster Laboratories, SDG No: CPS56

Field Blank FB-092412
Collected September 24, 2012

Prepared by: Donald Anné
October 24, 2012

Holding Times: Sample FB-092412 was extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of method and field blanks reported target arochlors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for sample FB-092412.

Laboratory Control Sample: The relative percent differences for aroclor-1016 and aroclor-1260 were below the allowable maximum and percent recoveries were within QC limits for aqueous samples LCS16271 and LCSD16271.

Initial Calibration: The average %RSDs for applicable target aroclors were below the allowable maximum (20%), as required.

Continuing Calibration: The average %Ds for applicable target aroclors were below the allowable maximum (15%), as required.

Retention Time Shift Summary: The retention time shifts for TCX and DCB on both columns were within control limits for sample FB-092412.

PCB Identification Summary: Checked surrogates were within GC quantitation limits. The analysis of sample FB-092412 reported target aroclors as not detected.

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QA/QC Review of 8260B Volatiles Data for Lancaster Laboratories, SDG No: CPS57

3 Ground Water Samples, 10 Soil Samples, 1 Field Duplicate, 2 Field Blanks, and 1 Trip Blank Collected September 25, 2012

Prepared by: Donald Anné
October 24, 2012

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for bromochloromethane and methylcycohexane were above the allowable maximum (25%) on 09-26-12 (as26c01.d). The %Ds for bromomethane and chloroethane were above the allowable maximum (25%) on 09-27-12 (rs27c01.d). The %Ds for 1,4-dioxane and bromoform were above the allowable maximum (25%) on 09-27-12 (xs27c05.d). The %D for bromoform was above the allowable maximum (25%) on 09-29-12 (xs28c02.d). The %Ds for dichlorodifluoromethane and acrolein were above the allowable maximum (25%) on 10-01-12 (cc01c01.d). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Field blank FB-092512 (soil) contained a trace of methylene chloride (0.3 ug/L). Positive results for methylene chloride that are less than ten times the highest blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard retention times were within control limits. One of four internal standard areas (IS4) for samples SRI-SS-43-A was below control limits.

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Positive and "not detected" results for compounds quantitated using IS4 should be considered estimated (J) in sample SRI-SS-43-A.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The percent recoveries for target compounds were within QC limits, but 2 of 55 relative percent differences were above the allowable maximum for soil MS/MSD sample SRI-SS-41-H. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximums and the percent recoveries (%Rs) were within QC limits for soil samples LCSR88 and LCDR88, and aqueous samples LCSC19 and LSDC19. The %Rs for target compounds were within QC limits for soil sample LCSX35.

The %R for dibromochloromethane was above QC limits for soil sample LCSX37. Positive results for dibromochloromethane should be considered estimated (J) in associated soil samples.

Field Duplicates: The relative percent difference for acetone was below the allowable maximum (35%) for soil field duplicate pair SRI-SS-41-A/SRI-SS-41AD (attached table), as required.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. CPS57

S1= SRI-SS-41-A **S2=** SRI-SS-41AD

Analyte	S1	S2	RPD (%)
acetone	15	17	13%

* RPD is above the allowable maximum (35%)

All results are in ug/kg

Italic numbers are diluted values
Bold numbers were values that below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

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QA/QC Review of 8270C Semi-Volatile Data for Lancaster Laboratories, SDG No: CPS57

10 Soil Samples, 1 Field Duplicate, and 1 Field Blank Collected September 25, 2012

Prepared by: Donald Anné
October 24, 2012

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8270C criteria.

The average RRFs for target compounds were above the allowable minimum (0.010), as required.

The %RSD for 2,4-dinitrophenol was above the allowable maximum (30%) for HP18831 on 09-28-12. Positive results for 2,4-dinitrophenol should be cosnidered estimated (J) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within method 8270C criteria.

The RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analyses of method and field blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: Two of three base/neutral and 2 of 3 acid extractable surrogate recoveries for sample SRI-SS-43-H were below control limits, but were not below 10%. Positive and "not detected" results for sample SRI-SS-43-H should be considered estimated (J).

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Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD sample SRI-SS-41-H.

Laboratory Control Sample: The percent recoveries (%Rs) for target compounds were within QC limits for aqueous sample 270LWBLCS and soil sample 276LCLCS.

The %Rs for caprolactam, 2-methylnaphthalene, di-n-butylphthalate, and fluoranthene were above QC limits for soil sample 271LDLCS. Positive results for these compounds should be considered estimated (J) in associated soil samples.

Field Duplicates: The relative percent differences for the following 12 compounds were above the allowable maximum (20%) for soil field duplicate pair SRI-SS-41-A/SRI-SS-41AD (attached table). Results for these compounds should be considered estimated (J) in samples SRI-SS-41-A and SRI-SS-41AD.

anthracene	benzo(a)anthracene	benzo(b)fluoranthene
benzo(a)pyrene	benzo(g,h,i)perylene	benzo(k)fluoranthene
chrysene	dibenz(a,h)anthracene	fluoranthene
indeno(1,2,3-cd)pyrene	phenanthrene	pyrene

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

Semi-Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. CPS57

S1= SRI-SS-41-A **S2=** SRI-SS-41AD

Analyte	S1	S2	RPD (%)	
acenaphthene	ND	75	NC	
anthracene	43	190	126%	*
benzo(a)anthracene	290	610	71%	*
benzo(a)pyrene	250	490	65%	*
benzo(b)fluoranthene	340	760	76%	*
benzo(g,h,i)perylene	170	290	52%	*
benzo(k)fluoranthene	190	310	48%	*
carbazole	ND	180	NC	
chrysene	330	650	65%	*
dibenz(a,h)anthracene	44	88	67%	*
fluoranthene	580	1500	88%	*
fluorene	ND	79	NC	
indeno(1,2,3-cd)pyrene	150	280	60%	*
phnenathrene	280	1300	129%	*
pyrene	520	1200	79%	*

* RPD is above the allowable maximum (35%)

Results are in units of ug/kg.

Bold numbers were values that below the CRQL.
ND - Not detected.

NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

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QA/QC Review of 8082 PCB Data for Lancaster Laboratories, SDG No: CPS57

5 Soil Samples, 1 Field Duplicate, and 1 Field Blank Collected September 25, 2012

Prepared by: Donald Anné
October 24, 2012

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of method and field blanks reported target arochlors as not detected.

Surrogate Recovery: One of two surrogate recoveries for samples FB-092512 was below QC limits, but was not below 10% on both columns. Positive and "not detected" results for sample FB-092512 should be considered estimated (J).

Laboratory Control Sample: The relative percent differences (RPDs) for aroclor-1016 and aroclor-1260 were below the allowable maximum and percent recoveries (%Rs) were within QC limits for aqueous samples LCS16271 and LCSD16271. The %Rs for for aroclor-1016 and aroclor-1260 were within QC limits for soil sample LCS09270

The %Rs for aroclor-1016 and aroclor-1260 were within QC limits, but RPDs for aroclor-1016 and aroclor-1260 were above the allowable maximum for aqueous samples LCS10277 and LCSD10277. Positive results for aroclor-1016 and aroclor-1260 should be considered estimated (J) in associated aqueous samples.

Field Duplicate: The analyses for field duplicate pair SRI-SS-41-A/SRI-SS-41AD reported target aroclors as either not detected or below the lowest standard; therefore, relative percent differences could not be calculated. The analyses of the field duplicate pair are acceptable.

Initial Calibration: The average %RSDs for applicable target aroclors were below the allowable maximum (20%), as required.

Continuing Calibration: The average %Ds for applicable target aroclors were below the allowable maximum (15%), as required.

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Retention Time Shift Summary: The retention time shifts for TCX and DCB on both columns were within control limits for the environmental samples.

PCB Identification Summary: Checked surrogates and detected aroclors were within GC quantitation limits. The %D for dual quantitation of aroclor-1260 in samples SRI-SS-42-A and SRI-SS-44-A was above 25%, but was not above 70%. The results for aroclor-1260 should be considered estimated (J) in samples SRI-SS-42-A and SRI-SS-44-A.

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QA/QC Review of 8260B Volatiles Data for Lancaster Laboratories, SDG No: CPS58

8 Ground Water Samples, 6 Soil Samples, 1 Field Duplicate, 3 Field Blanks, and 2 Trip Blanks Collected September 26 and 27, 2012

Prepared by: Donald Anné
October 24, 2012

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8260B criteria.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within method 8260B criteria.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for bromoform was above the allowable maximum (25%) on 09-29-12 (xs28c02.d). The %D for acrolein was above the allowable maximum (25%) on 09-29-12 (cs29c10a.d). The %Ds for dichlorodifluoromethane and acrolein were above the allowable maximum (25%) on 10-01-12 (cc01c01.d). The %Ds for dibromochloromethane and bromoform were above the allowable maximum (25%) on 10-01-12 (xc01c01.d). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Field blank FB-092612 (soil) contained a trace of methylene chloride (0.3 ug/L). Field blank FB-092612 (aqueous) contained traces of carbon disulfide (0.7 ug/L) and methylene chloride (0.2 ug/L). Field blank FB-092712 (aqueous) contained a trace of carbon disulfide (0.4 ug/L). Positive results for methylene chloride that are less than ten times the highest blank level should be reported as not detected (U) in associated samples. Positive results for carbon disulfide that are less than five times the highest blank level should be reported as not detected (U) in associated samples.

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Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample SRI-GW-23.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximums and the percent recoveries (%Rs) were within QC limits for soil samples LCSX40 and LCDX40, and aqueous samples LCSC19 and LSDC19. The %Rs for target compounds were within QC limits for aqueous sample LCSC18.

The %R for dibromochloromethane was above QC limits for soil sample LCSX37. Positive results for dibromochloromethane should be considered estimated (J) in associated soil samples.

Field Duplicates: The relative percent differences for chlorobenzene and methyl tertiary butyl ether were below the allowable maximum (35%) for aqueous field duplicate pair SRI-GW-19/SRI-GW-19-D (attached table), as required.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. CPS58

S1= SRI-GW-19 **S2=** SRI-GW-19-D

Analyte	S1	S2	RPD (%)
chlorobenzene	0.2	0.2	0%
methyl tertiary butyl ether	0.1	0.1	0%

* RPD is above the allowable maximum (20%)

All results are in ug/L

Italic numbers are diluted values
Bold numbers were values that below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

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QA/QC Review of 8270C Semi-Volatile Data for Lancaster Laboratories, SDG No: CPS58

6 Soil Samples and 1 Field Blank Collected September 26, 2012

Prepared by: Donald Anné
October 24, 2012

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within method 8270C criteria.

The average RRFs for target compounds were above the allowable minimum (0.010), as required.

The %RSD for 2,4-dinitrophenol was above the allowable maximum (30%) for HP18831 on 09-28-12. Positive results for 2,4-dinitrophenol should be considered estimated (J) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within method 8270C criteria.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %D for benzaldehyde was above the allowable maximum (25%) on 09-30-12 (gi0811.d). The %D for 2,4-dinitrophenol was above the allowable maximum (25%) on 10-01-12 (hj0001.d). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of method and field blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

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Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD sample SRI-SS-41-H. (This data is from SDG no. CPS57)

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for aqueous sample 273LWALCS and soil sample 272LBLCS.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

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Water Supply

QA/QC Review of 8082 PCB Data for Lancaster Laboratories, SDG No: CPS58

3 Soil Samples and 1 Field Blank Collected September 26, 2012

Prepared by: Donald Anné
October 24, 2012

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of method and field blanks reported target arochlors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Laboratory Control Sample: The percent recoveries for aroclor-1016 and aroclor-1260 were within QC limits for aqueous sample LCS17273 and soil sample LCS08273.

Initial Calibration: The average %RSDs for applicable target aroclors were below the allowable maximum (20%), as required.

Continuing Calibration: The average %Ds for applicable target aroclors were below the allowable maximum (15%), as required.

Retention Time Shift Summary: The retention time shifts for TCX and DCB on both columns were within control limits for the environmental samples.

PCB Identification Summary: Checked surrogates and detected aroclors were within GC quantitation limits. The %Ds for dual quantitation of aroclor-1248 and aroclor-1254 in sample SRI-SS-45-A were above 25%, but were not above 70%. The results for aroclor-1248 and aroclor-1254 should be considered estimated (J) in sample SRI-SS-45-A.

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APPENDIX C

DATA USABILITY EVALUATION TABLES

Matrix	Soil Lab = Lancaster
Analytical Group[1]	Volatile Organic Compounds
Concentration Level	Low

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
		Precision - Lab	Continuing calibration within method limits	Acceptable		Continuing calibration report	A
S-1 (Collect Soil Samples via Geoprobe)	8260B/L-2	Precision - Field	RPD ≤ 40%	Acceptable		Field Duplicates (1 per 20)	S & A
		Accuracy/Bias	statistically derived QC limits which are updated semiannually	Acceptable		Matrix Spike, Matrix Spike Duplicate (1 per 20)	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Acceptable		Trip Blanks - 1 per Cooler per Day	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Method blank VBLKX78 - methylene chloride	Detections less than 10x the blank concentration were marked as "U" undetected	Method Blanks, Instrument Blanks	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Chloroform, methylene Chloride ((FB-071111); Methylene chloride (FB-092512), ; methylene chloride (FB-071211); FB-092612 (soil) - methylene chloride	Detections less than 10x the blank concentration were marked as "U" undetected	Equipment Blanks (1 Field Blank per Day)	S
		Accuracy/Bias Contamination	Surrogate Percent Recovery within Method Limits	Acceptable		Standard Reference Material4	A
		Accuracy	Internal Standard Data	Internal standard area outside limits (SRI·SS·43·A)	Positive and "not detected" results considered estimated (J)	Standard Reference Material4	A
		Sensitivity	statistically derived QC limits which are updated semiannually	Acceptable		Laboratory Control Sample, Laboratory Control Sample Duplicate	A

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 Standard Reference Material = Spike solution contains at a minimum 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene and benzene.

Matrix	Soil Lab = Lancaster
Analytical Group[1]	Semivolatile Organic Compounds
Concentration Level	Low

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
S-1 (Collect Soil Samples via Geoprobe)	8270C/L-3	Precision - Field	RPD ≤ 40%	SRI-SS-41-A outside limits for COIs benzo(a)pyrene, dibenz(a,h)anthracene, benzo(b)fluoranthene, and non-COIs	Qualified as estimated	Field Duplicates (1 per 20)	S & A
		Accuracy/Bias	70-130 % recovery	SRI-SS-43-H - surrogate recovery outside limits	Qualified as estimated	Standard Reference Material[4]	A
		Accuracy/Bias	statistically derived QC limits which are updated semiannually	Acceptable		Matrix Spike, Matrix Spike Duplicate (1 per 20)	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Acceptable		Method Blanks, Instrument Blanks	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluoranthene, phenanthrene, and pyrene (FB-071111)	Detections less than 10x the blank concentration were marked as "U" undetected	Equipment Blanks (None Required)	S
		Accuracy/Bias Contamination	Outside accepable range for method	benzaldehyde (09·30·12), several non-COIs were outside ranges for September 2012 samples, 2,4-dinitrophenol (09-28-12), caprolactarn, 2-methylnaphthalene, di-n-butylphthalate, and fluoranthene outside limits (9/25/2012 samples)	Qualified as estimated	Initial and continuing calibration, verification percent RSD and/or percent drift	A
		Sensitivity	Holding Times Met	Acceptable		Standard Reference Material[4]	A
		Sensitivity	± 30%	For samples from 7/11 and 7/12/11, several non-COI SVOCs were outside limits	Qualified as estimated	Laboratory Control Sample at QL	A

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 Standard reference material solution contains: 2-chlorophenol; 4-chloro-3-methylphenol; 4-nitrophenol; pentachlorophenol; phenol; acenaphthene; di-n-butylphthalate; 1,4-dichlorobenzene; 2,4-dinitrotoluene; n-nitroso-di-n-propylamine; 1,2,4-

Matrix	Groundwater Lab = Lancaster
Analytical Group[1]	Volatile Organic Compounds
Concentration Level	Low

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
S-2, S-3 (Groundwater Sampling via Geoprobe; Groundwater Sampling via Volume Average Purge)	8260B/L-2	Precision - Lab	RPD ≤ 20%	Methyl acetate above QC limits	Qualify detections of methyl acetate as estimated "J"	Laboratory Duplicates	A
		Precision - Field	RPD ≤ 30%	Carbon disulfide GW-SW-10-4-5, trans-I,2-dichloroethene EPA-I, 1,2-Dichloroethane for CPS-8	Qualify as estimated "J"	Field Duplicates (1 per 20)	S & A
		Accuracy/Bias	± 20% recovery	surrogate recoveries for samples GW-SW-5-1.5-2.5, GW-SW-I-3.5-4.5, and GW-SW-2-2-3 were above QC limits	Qualify EDB, DBCP as estimated "J"	Standard Reference Material[4]	A
		Accuracy/Bias	Statistically derived QC limits which are updated semi-annually	Acceptable		Matrix Spike, Matrix Spike Duplicate (1 per 20)	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Acceptable		Method Blanks, Instrument Blanks	A
		Accuracy	Initial calibration verification and percent drift within method limits	trichlorofluoromethane and I,4-dioxane (07-29-12);acrolein, acetone, and naphthalene (08-03-12), bromochloromethane and methylcyclohexane (09-26-12), bromomethane and chloroethane (09-30-12)	Detections marked as estimated "J"	Initial calibration verification sample and continuing calibration samples	A
		Accuracy	Internal Standard Data	SRI-SS-51-A and SRI-SS-49-A (internal standard area ouside control)	Detections marked as estimated "J"	Standard Reference Material4	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Chloroform (FB-120810); Acetone, chloroform, methylene chl, X (FB-120910); Acetone, chloroform, methylene chl, E,X (FB-121010); Methylene chloride (TB-121510);. FB-121510 Chloroform, methylene chl, and X (FB-121510). Field and Trip Blanks 7/23, 7/24, 7/25, 7/26 and 7/27/12 - methylene chloride; Methylene chloride (FB-092412 aqueous and soil); FB-092612 - carbon disulfide and methylene chloride; FB-092712 - carbon disulfide.	Detections less than either 5 x or 10x the blank concentration were marked as "U" undetected	Trip Blanks, Equipment Blanks (1 per cooler per day and 1 per 20)	S
		Sensitivity	± 30%	Surrogate recovery outside QC limits	Qualify detections of EDB, DBCP as estimated in GW-SW-8-2-3	Laboratory Control Sample at QL	A

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 Std. Ref. Material= spike sol'n containing at a minimum 1,1 dichloroethene,trichloroethene,chlorobenzene,toluene,benzene

Matrix	Groundwater Lab = Lancaster
Analytical Group[1]	Semivolatile Organic Compounds
Concentration Level	Low

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
S-3 (Collection of Groundwater Samples via Volume Average Purge)	8270C/L-3	Precision - Lab	RPD ≤ 20%	2,4-dinitrophenol, hexachlorocyclopentadiene, benzidine, 2,4-dinitrophenol and 2-methylnaphthalene, 2-chloronaphthalene (07-27-12), benzaldehyde (08-1-12)	Positive results were considered estimated "J"	Laboratory Duplicates	A
		Precision - Field	RPD ≤ 30%	1,4-dioxane and fluorene (CPS-8)	Qualified as estimated	Field Duplicates (1 per 20)	S & A
		Accuracy/Bias	70-130 % recovery	2,4-dinitrotoluene (12/14 and 12/15/10), butylbenzylphthalate and bis(2-ethylhexyl)phthalate, Surrogate recoveries out for SRI-SS-3 1-0-6DL, SRJ-SS35-18-24, SRI-SS-31-0-6DL and SRI-SS35-18-24	Qualified as estimated	Standard Reference Material	A
		Accuracy/Bias	Statistically derived QC limits which are updated semi-annually	Acceptable		Matrix Spike, Matrix Spike Duplicate (1 per 20)	A
		Accuracy/Bias	Initial and Continuing Calibratiions	2,4-DNP, 4,6-DN 2-methyl phenol (12/30/10); 1,4-dioxane and n-initrosodimethylamine (12/30/10),4-methyl-2-pentanone and 2-hexanone (07-14-11); 1,4-dioxane and 1,2,3-trichlorobenzene (07-18-11), Several Non-COIs were outside range for September 2012 samples, 2,4-dinitrophenol for 9/26/2012 samples	Qualified detections as estimated "J"	Consistent with Method requirements	
		Accuracy/Bias Contamination	No target compounds ≥ QL	Acceptable		Method Blanks, Instrument Blanks	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Naphthalene, butylbenzylphthalate, and bis(2-ethylhexyl)phthalate (FB-120810); Acetophenone, di-n-butylphthalate, diethylphthalate, and bis(2-ethylhexyl)phthalate (FB-120910); Acetonphenone, di-n-butylphthalate, and bis(2-ethylhexyl)phthalate (FB-121010).; Bis(2-ethylhexyl)phthalate (FB-121510), Naphthalene(FB-072712).	Detections less than 10x the blank concentration were marked as "U" undetected	Equipment Blanks (1 per 20)	S
		Sensitivity	± 30%	Acceptable		Laboratory Control Sample at QL	A

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 spike sol'n containing: 2 chlorophenol,4-chloro-3-methylphenol,4 nitrophenol,pentachlorophenol,phenol,acenaphthene,di-n-butylphthalate,1,4 dichlorobenzene,2,4 dinitrotoluene,n-nitroso-di-n-propylamine,1,2,4,trichlorobenzene,pyrene
2,4 dinitrotoluene, n-nitroso-di-n-propylamine,1,2,4,trichlorobenzene,pyrene

Matrix	Groundwater Lab = Lancaster
Analytical Group[1]	Inorganics
Concentration Level	Low

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
S-2, S-3 (Groundwater Sampling via Geoprobe; Groundwater Sampling via Volume Average Purge)	6010B/L-4	Precision - Lab	RPD ≤ 20%	Acceptable		Laboratory Duplicates	A
		Precision - Field	If the samples are >2x the QL the ROD must be <20. If either the sample or the duplicate is <5x the QL the difference between the two values must be <QL. Not applicable if both samples are <QL.	Acceptable		Field Duplicates (1 per 20)	S & A
		Accuracy/Bias	± 20% recovery	Acceptable		Standard Reference Material[4]	A
		Accuracy/Bias	Use statistical limits or the method limit of ±25%, whichever it tighter. RPD must be <20%	Acceptable		Matrix Spike (1 per 20)	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Acceptable		Instrument Blanks, Method Blanks	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Task 2: Metals in Data Packages CPS30 and CPS31 - FB contamination with Cu, Zn, Mn	Data rejected	Equipment Blanks	S
		Sensitivity	± 30%	Acceptable		Laboratory Control Sample at QL	A
		Representativeness	Dissolved >20% of Total	Acceptable		Dissolved to Total metals concentrations	S

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 spike sol'n containing all metals being analysed

Completeness Evaluation Summary

Sampling Procedure[2]	Analytical Method/SOP[3]	Analysis	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Phase II Task 1 Field	Phase II Task 1 Lab	Phase II Task 2 Field	Phase II Task 2 Lab	Phase II Task 3 Field	Phase II Task 3 Lab	Phase II Task 5 Field	Phase II Task 5 Lab	Phase II Task 6 Field	Phase II Task 6 Lab	Phase II Task 7 Field	Phase II Task 7 Lab	Phase II Task 8 Field	Phase II Task 8 Lab	Phase II Task 9 Field (PMP#84)	Phase II Task 9 Lab	Notes
S-1 (Collect Soil Samples via Geoprobe)	8260B-L-1	Volatile Organics	Completeness	> 90% groundwater collection, > 90% laboratory analysis	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	100	100	100	100	100	
	8260B/L-2	Semivolatile Organics	Completeness		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	100	NA	NA	100	100	
		PCBs	Completeness		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	100	
	8270C/L-3	Inorganics	Completeness		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	100	NA	NA	100	100	
S-2, S-3 (Groundwater Sampling via Geoprobe; Groundwater Sampling via Volume Average Purge)	8260B-L-1	Volatile Organics	Completeness	> 90% groundwater collection, > 90% laboratory analysis	83	(did not validate)	82	100	100	100	100/80*	(did not validate)	97	100	NA	NA	99	100	NA	NA	*Missed samples were for EDB and DBCP analysis only
	8260B/L-2	Semivolatile Organics	Completeness		NA	NA	NA	NA	94	100	NA	NA	97	100	NA	NA	99	100	NA	NA	
	8270C/L-3	Inorganics	Completeness		83	(did not validate)	80	100	94	100	NA	NA	100*	100	NA	NA	100*	100	NA	NA	*Task 8: Zn and Pb only
	7471A/L-4	Mercury	Completeness		83	(did not validate)	80	100	94	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Note: Completeness evaluation considers qualified data that were accepted to be "complete"
Rejected data are considered "incomplete"
Rejected data for non-COIs are not considered in the completeness evaluation if COI data are acceptable
Rejected field/trip blank data is not considered in the completeness evaluation

		Total # of Samples	missed	Phase Completeness
Task 1: Far Field Transects - Water Samples via Geoprobe	Per agreement with EPA, did not validate Task 1 samples	69	12	82.61
Task 2: Expanded PMP Monitoring Event		61	12	80.33
Task 3: Groundwater/Surface Water Study (water samples via Geoprobe)		17	1	94.12
Task 4: Surface Water and Sediment		(not required)		
Task 5: Side Lot VOC source investigation - Water Samples via Geoprobe	Per agreement with EPA, did not validate Task 5 samples	15	0	100.00
Task 6: PMP Event #83		30	1	96.67
Task 7: CPS Site Shallow Soil Sampling		44	0	100.00
Task 8: AEC-1 Groundwater Sampling/Re-Sampling (PMP Event #84)		96	1	98.96
Task 9: Supplemental Soil and Groundwater Sampling on CPS Site to Support Site Redeployment		49	0	100.00
		381	27	92.91

Overall Field Completeness: 92.91338583

Matrix	Soil	Lab = Lancaster
Analytical Group[1]	Volatile Organic Compounds	
Concentration Level	Low	

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
		Precision - Lab	Continuing calibration within method limits	1,1,2,2-PCA, 1,1-DCB drift - SRI-4-4. VC, 1,2,4-TCB drift - 7 samples & 2 TB. VC, methylene chl, 1,1,1,2-TCA, PCE, 1,2,4-TCB drift - 8 samples, 1 TB. VC, methylene chl, 1.2.4-TCB drift - 3 samples.	Qualfified with "J"	Continuing calibration report	A
S-1 (Collect Soil Samples via Geoprobe)	8260B/L-2	Precision - Field	RPD ≤ 40%	SRI-SS-19-0-0.5 & Duplicate	Accepted with Qualification (J-flag as estimated)	Field Duplicates (1 per 20)	S & A
		Accuracy/Bias	statistically derived QC limits which are updated semiannually	None Noted		Matrix Spike, Matrix Spike Duplicate (1 per 20)	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	No compounds detected in trip blanks that were not detected in Method Blanks (below)		Trip Blanks - 1 per Cooler per Day	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Methylene Chloride, 1,4-DCB, 1,2-DCB and 1,2,4-TCB	Changed to "U" in corresponding samples	Method Blanks, Instrument Blanks	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Acetone, Toluene in field blanks	Changed to "U" in corresponding samples	Equipment Blanks (1 Field Blank per Day)	S
		Accuracy/Bias Contamination	Surrogate Percent Recovery within Method Limits	1,2-DCA-d4 (SRI-13-16, SRI-12-20, SRI-18-4; SRI-18-8; SRI-18-12; SRI-18-16; SRI-18-20; SRI-18-41; SRI-18-50)	Qualified detections as estimated "J" and rejected reporting limits for non-detect	Standard Reference Material4	A
				Toluene-d8>acceptance limits, Non-COIs (4 samples), Toluene-d8 and 1.2-DCA-d4 plus non-COIs in SS-19-0-0.5Dup	Qualfied with "J" sample SS-8-7, SS-10-12, SS-9-12	Compare surrogate recoveries to method limits	A
		Accuracy	Initial calibration verification and continuing calibration within method limits	**Initial:** Acetone, surrogate 1,2-DCA-d4 (samples SS-12-0-0.5; SS-12-3.5-4.0; SS-15-3.5-4.0; SS-19-0-0.5; SS-19-3.5-4.0; SS-20-0-0.5; SS-20-3.5-4.0; SRI-17-4; SRI-17-8; SRI-17-15; SRI-17-25; SRI-17-34), Acetone (FB54TR070809, SRI-18-4; SRI-18-8; SRI-18-12; SRI-DGT60 and Trip Blank), 1.2-DCA-d4 (SRI-18-60; SRI-18-66; SRI-11-16; SRI-11-50; SRI-1-75); TBA, acrylonitrile, acrolein, propionitrile, methacrylonitrile, tetrahydrofuran, 1,2-dibromo 3-chloropropane: DGT-2-15, DGT-2-30, DGT-2-45, Trip Blank 7-09-09, FB-8040DT-071309, DGT-3-15, DGT-3-30, DGT-3-45, DGT-4-15, DGT-4-30, DGT-4-45, Trip Blank 7-15-09, DGT-5-15, DGT-5-30, DGT-5-30Dup, DGT-5-45, Trip Blank 7-13-09, DGT-5-60, DGT-6-15, DGT-6-30, DGT-6-45, DGT-7-60, DGT-7-60Dup, DGT-7-15, DGT-7-30, Trip Blank 7-23-09, DGT-5-75, FB71709-8040, DGT-6-45, DGT-7-15, DGT-7-45, GP2-15, GP2-30, GP2-45, GP2-60, 7720EGBlank 7-28-09, DGT5-75; **Continuing:** TBA, acrolein, propionitrile and tetrahydrofuran: DGT-2-15, DGT-2-30, Trip Blank 7-9-09, FB-8040DT-071309, DGT-3-15, DGT-3-30, DGT3-45; Dichlorodifluoromethane, TBA, acrolein, propionitrile, tetrahydrofuran: DGT-4-15, DGT-4-30, DGT-4-45, Trip Blank 7-15-09, DGT-5-15, DGT-5-30, DGT-5-45, Trip Blank 7-13-09, DGT-5-30Dup; Dichlorodifluoromethane, chloromethane, TBA, acrolein, propionitrile, tetrahydrofuran, 1,2-DB-2-Chloropropane: DGT-5-60, DGT-6-15, DGT-6-30, DGT-6-45, DGT-7-60, DGT-7-60Dup, DGT-7-15, DGT-7-30, Trip Blank 7-23-09; TBA, acrolein, propionitrile, tetrahydrofuran, 1,2-DB-2-chloropropane: DGT-5-75, FB71709-8040, DGT-6-45, DGT-7-15, DGT-5-45, GP2-15, GP2-30, GP2-45, GP2-60, 7720EQ Blank 7-28-09, DGT-5-75.	Qualified detections as estimated "J" and rejected reporting limits for non-detect	Standard Reference Material4	A
				Non-COI compounds (multiple samples) and surrogate 1,2-DCE-d4 (1 sample)	Qualified results and reporting limits as estimated ("J"); for	Standard Reference Material4	A
		Accuracy	Internal Standard Data	1.4-DCB-d4 (SRI-8-16)	Reporting Limits rejected "R"		
				1.4-DCB-d4 (SRI-8-16, SRI-14-4), CB-d5 (SRI-8-16), 1,4-DCB-d4 (SRI-6-12)	Detections and reporting limits qualified as estimated ("J")	Standard Reference Material4	A
		Sensitivity	Holding Times Met	12 Samples out of Holidng Time: SS-1.0-0.5; SS-1-3.5-4; SS--2-0-0.5; SS-2-3.5-4; SS-3-3.5-4; SS-4-3.5-4; SS-5-3.5-4; SS-6-0-0.5; SS-6-3.5-4; SS-12--0-.5; SS-12-3.5-4; SS-19-0-0.5	Qualified detections with "J" and rejected non-detects	Standard Reference Material[4]	A
		Sensitivity	statistically derived QC limits which are updated semiannually	1,1,2-TCA, 1,4-DCB, 1,2-DCB control samples >acceptance levels for 8 samples. 1,1,2-TCA, 1,4-DCB, 1,2-DCB control samples>acceptance levels for 7 samples. 1,4-DCB and 1,2-DCB >acceptance levels for 1 sample. Non-COIs MTBE, TBA, dichlorodifluoromethane >acceptance level.	Qualified with "J"	Laboratory Control Sample, Laboratory Control Sample Duplicate	A

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 Standard Reference Material = Spike solution contains at a minimum 1,1-dichloroethene, trichloroethene, chlorobenzene, toluene and benzene.

Task 3 - Soil Sampling in CPS Source Area
Task 4 - Soil Sampling in Locations Peripheral to former CPS Production
Task 5 - Direct push GW sampling at downgradient boundary of Madison Site
Task 6 - SVOC GW Characterization

Matrix	Air Lab = Analytical Laboratory Services
Analytical Group[1]	Volatile Organic Compounds
Concentration Level	Low

NJ Cert. # PA010

Sampling Procedure[2]	**Analytical Method/SOP**[3]	**Data Quality Indicators (DQIs)**	**Measurement Performance Criteria**	**Exceptions (Performance Criteria Not Met)**	**Action Taken**	**QA Sample and/or Activity Used to Assess Measurement Performance**	**QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)**
S-4, S-5 (Collection of Soil Gas and Indoor Air)	T015/L-5	Precision - Field	RPD <30%	Non-COIs Acetone, MEK, trichlorofluoromethane RPD >30%	Compound results considered estimated "J"	Field Duplicates (1 per 20)	S & A
		Accuracy/Bias Contamination	No target compounds ≥ QL	None Noted		Method Blanks, Instrument Blanks	A
		Sensitivity	70-130%	None Noted		Laboratory Control Sample at QL	A

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23

Matrix	Soil Lab = Lancaster
Analytical Group[1]	Semivolatile Organic Compounds
Concentration Level	Low

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
S-1 (Collect Soil Samples via Geoprobe)	8270C/L-3	Precision - Lab	RPD ≤ 30%	Non-COI Caprolactam (FB 54TR 070709); Non-COIs caprolactam and hexachlorocyclopentadiene FB 071709	Data rejected	Laboratory Duplicates	A
				Benzo(a)pyrene (and other non-COIs); impacted 3 soil samples	Accepted with qualifications: Non-detects were qualfied as estimated	Laboratory Duplicates	A
		Precision - Field	RPD ≤ 40%	None Noted		Field Duplicates (1 per 20)	S & A
		Accuracy/Bias	70-130 % recovery	None Noted		Standard Reference Material[4]	A
		Accuracy/Bias	statistically derived QC limits which are updated semiannually	None Noted		Matrix Spike, Matrix Spike Duplicate (1 per 20)	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	None Noted		Method Blanks, Instrument Blanks	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Note noted		Equipment Blanks (None Required)	S
		Accuracy/Bias Contamination	Outside accepable range for method	2,4-Dinitrophenol (and other non-COIs); impacted 63 samples, 6 field blanks; Non-COIs only impacted 14 samples)	Analyte results and reporting limits qualified as estimated	Initial Calibration verification percent RSD and/or percent drift sample	A
		Sensitivity	Holding Times Met	None Noted		Standard Reference Material[4]	A
		Sensitivity	± 30%	Benzo(a)pyrene (and other non-COIs); impacted 3 soil samples, Non-COI caprolactam (FB 54TR 070809), Pyrene (10 soil samples), Fluoranthene (14 soil samples)	Detections and non-detects were qualfied as estimated ("J")	Laboratory Control Sample at QL	A

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 Standard reference material solution contains: 2-chlorophenol; 4-chloro-3-methylphenol; 4-nitrophenol; pentachlorophenol; phenol; acenaphthene; di-n-butylphthalate; 1,4-dichlorobenzene; 2,4-dinitrotoluene; n-nitroso-di-n-

Matrix	Groundwater Lab = Ciba
Analytical Group[1]	Volatile Organic Compounds
Concentration Level	Low

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
S-2, S-3 (Groundwater Sampling via Geoprobe; Groundwater Sampling via Volume Average Purge)	8260B/L-1	Precision - Lab	RPD ≤ 30%	None Noted		Laboratory Duplicates	A
		Precision - Field	RPD ≤ 40%	None Noted		Field Duplicates	S & A
		Accuracy/Bias	± 20% recovery	None Noted		Standard Reference Material[4]	A
		Accuracy/Bias	1,1-Dichloroethene %R 59-172% Trichloroethene %R 62-137% Benzene %R 66-142% Toluene %R 59-139% Chlorobenzene %R 60-133%	None Noted		Matrix Spike, Matrix Spike Duplicate	A
		Accuracy	Initial calibration verification and percent drift within method limits	Non-COIs TBA, acrylonitrile, acrolein, propionitrile, methacrylonitrile, tetrahydrofuran, 1,2 dibromo-3-chloropropane for all DGT samples, all GP samples, field blanks and trip blanks, Non-COI dichlorodifluoromethane in 7 DGT samples, a field blank and a trip blank	Qualified detections as estimated "J" and rejected reporting limits for non-detect	Initial calibration verification sample and continuing calibration samples	A
				VC, 1,2,4-TCB and numerous Non-COIs in 7 DGT samples, and 2 trip blanks; Non-COIs dichlorodifluoromethane, acetone, 1,2-dibromo-3-chloropropane in 26 DGT samples, 4 GP samples, field brlanks and trip blanks; Non-COIs in 5 DGT samples, a field blank and a trip blank; VC, methylene chloride, 1,1,12-PCA, PCE and 1,2,4-TCB in 8 DGT samples and a Trip Blank (7-23-09), PCE and 1,2,4-TCB plus Non-COIs in 2 DGT samples and 4 GP samples plus a Blank	Qualified results and reporting limits as estimated ("J")		A
		Accuracy	Internal Standard Data	None Noted		Standard Reference Material4	A
		Accuracy/Bias	RPD ≤ 20%	None Noted		Matrix Spike, Matrix Spike Duplicate	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Methylene chloride detected in method blank 7/16/09, 7/23/09, 7/30/09 and 8/4/09 (DGT-2-15; DGT-3-15; DGT-3-30; DGT-3-45, Trip Blank 7-9-09 and FB-8040DT; DGT-4-15; DGT-4-45; DGT-5-15; DGT-5-30; DGT-5-45; DGT-5-30Dup, Trip Blank 5-13-09 and Trip Blank 7-15-09, DGT-5-75; DGT-6-45; DGT-7-15; FB71709; GP2-15; GP2-30;GP2-45; GP2-60; 7720 EQBlank)	Results qualified as undetected "U" for those samples	Method Blanks, Instrument Blanks	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	Methylene chloride (see above)	Results qualified as undetected "U" for those samples	Trip Blanks, Equipment Blanks	S
		Accuracy/Bias Contamination	No target compounds ≥ QL	Acetone (DGT-3-15; DGT-3-30; DGT-3-45), Toluene (DGT-3-15) and 1.4-DCB, 1,2-DCB and 1,2,4-DCB plus Non-COIs in FB71709 (DGT-5-75)	Results qualified as undetected "U" for those samples	Field Blanks	
		Sensitivity	± 30%	None Noted		Laboratory Control Sample at QL	A

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 Std. Ref. Material= spike solution containing at a minimum 1,1 dichloroethene,trichloroethene,chlorobenzene,toluene,benzene

Matrix	Soil Lab = Lancaster
Analytical Group[1]	Inorganics
Concentration Level	Low

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
S-1 (Collect Soil Samples via Geoprobe)	6010B/L-4	Precision - Lab	statistical limits	Al, Fe and V: SRI-5-4	Rejected results	Laboratory Duplicates	A
		Precision - Field	RPD ≤ 40%	Non-COI Ca (SS-19-0-0.5)	Data rejected	Field Duplicates (1 per 20)	S & A
				Non-COIs Ba, Cr, COI Cu, Fe, Pb, COI Mn, Non-COIs Mg, V and COI Zn (SS-19-0-0.5 and dup)	Results were qualified as estimated "J"	Field Duplicates (1 per 20)	S & A
		Accuracy/Bias	± 20% recovery	None Noted		Standard Reference Material[4]	A
		Accuracy/Bias	%R 75-125%	**Non-COI Mg**: SS-12-0-0.5; SS-12-3.5-4.0; SS-18-Surface; SS-18-Base; SS17-Surface; SS-19-0-0.5; SS-19-3.5-4.0; SS-19-0-0.5, dup, SS-20-0-0.5 and SS-20-3.5-4; **Non-COI Cr, K and COI Zn** (SS-12-0-0.5; SS-12-3.5-4; SS-18-Surface; SS-18-Base' SS17-Surface; SS-19-0-0.5; dup; SS-19-3.5-4; SS-20-0-0.5; SS-20-3.5-4), **Non-COI K:** SRI-17-4; SRI-17-8; SRI-17-12; SRI-17-16, SRI-17-20; SRI-17-25; SRI-17-41; SRI-11-4; SRI-11-8; SRI-11-12; SRI-16; SRI-11-20; SRI-11-50; SRI-11-72; **Cr, V and COI Zn:** SRI-5-4; SRI-5-8; SRI-5-12; SRI-5-16; SRI-5-20; SRI-3-4; SRI-3-8; SRI-3-12; SRI-3-16; SRI-3-20; SRI-20-16; SRI-20-20; SRI-20-20Dup; SRI-9-16; SRI-9-20.	Data rejected	Matrix Spike (1 per 20)	A
				Mg and V (17 soil samples), Zn (14 soil samples), Cr (14 soil samples); As, Ca, Mg, COI Mn and K: 15 soil samples	Qualified detections as estimated "J"	Matrix Spike (1 per 20)	A
		Precision	RPD ==???	Ca, Cr, COI Mn, V and COI Zn: 15 soil samples, Ba (15 samples and a field blank), Ba (14 soil samples)	Results and reporting limits qualified as estimated "J"	Matrix Spike (1 per 20) compared to Matrix Spike Duplicate	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	**Non-COI Sb** (SRI-7-8; SRI-7-12, SRI-1-8); **Non-COI Ca** (FB54TR070609, 15 soil samples), **Non-COI Cr** (FB7720DT7-6-09); **Non-COI Ni** (SS-12-0-0.5 and SS-12-3.5-4) **Mn** (10 soil samples), **Non-COI Sb** (SS-18-Surface), **Non-COI Cd** (SS-19-0-0.5), **Non-COI Si**: SRI-13-4 and SRI-13-8, **Non-COI Mg** SRI-13-20, **Zn** SRI-1-20	Qualified detections as "U" undetected	Method Blanks, Instrument Blanks	A
		Sensitivity	<10 degrees C	FB54TR 070809	Results and reporting limits qualified as estimated "J"	Sample Transport Cooler Temperature Blank	S
		Accuracy/Bias Contamination	No target compounds ≥ QL	Non-COI Ca in FB6620-8-5-09 and 9 soil samples	Qualified detections as "U" undetected	Field Blanks	S
		Sensitivity	± 30%	None Noted		Laboratory Control Sample at QL	A

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 spike sol'n containing all metals being analysed

Matrix	Soil Lab = Lancaster
Analytical Group[1]	Inorganics
Concentration Level	Low

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
S-1 (Collect Soil Samples via Geoprobe)	6010B/L-4	Precision - Lab	statistical limits	Al, Fe and V: SRI-5-4	Rejected results	Laboratory Duplicates	A
		Precision - Field	RPD ≤ 40%	Non-COI Ca (SS-19-0-0.5)	Data rejected	Field Duplicates (1 per 20)	S & A
				Non-COIs Ba, Cr, COI Cu, Fe, Pb, COI Mn, Non-COIs Mg, V and COI Zn (SS-19-0-0.5 and dup)	Results were qualified as estimated "J"	Field Duplicates (1 per 20)	S & A
		Accuracy/Bias	± 20% recovery	None Noted		Standard Reference Material[4]	A
		Accuracy/Bias	%R 75-125%	**Non-COI Mg**: SS-12-0-0.5; SS-12-3.5-4.0; SS-18-Surface; SS-18-Base; SS17-Surface; SS-19-0-0.5; SS-19-3.5-4.0; SS-19-0-0.5, dup, SS-20-0-0.5 and SS-20-3.5-4; **Non-COI Cr, K and COI Zn** (SS-12-0-0.5; SS-12-3.5-4; SS-18-Surface; SS-18-Base' SS17-Surface; SS-19-0-0.5; dup; SS-19-3.5-4; SS-20-0-0.5; SS-20-3.5-4), **Non-COI K:** SRI-17-4; SRI-17-8; SRI-17-12; SRI-17-16, SRI-17-20; SRI-17-25; SRI-17-41; SRI-11-4; SRI-11-8; SRI-11-12; SRI-16; SRI-11-20; SRI-11-50; SRI-11-72; **Cr, V and COI Zn:** SRI-5-4; SRI-5-8; SRI-5-12; SRI-5-16; SRI-5-20; SRI-3-4; SRI-3-8; SRI-3-12; SRI-3-16; SRI-3-20; SRI-20-16; SRI-20-20; SRI-20-20Dup; SRI-9-16; SRI-9-20.	Data rejected	Matrix Spike (1 per 20)	A
				Mg and V (17 soil samples), Zn (14 soil samples), Cr (14 soil samples); As, Ca, Mg, COI Mn and K: 15 soil samples	Qualified detections as estimated "J"	Matrix Spike (1 per 20)	A
		Precision	RPD ==???	Ca, Cr, COI Mn, V and COI Zn: 15 soil samples, Ba (15 samples and a field blank), Ba (14 soil samples)	Results and reporting limits qualified as estimated "J"	Matrix Spike (1 per 20) compared to Matrix Spike Duplicate	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	**Non-COI Sb** (SRI-7-8; SRI-7-12, SRI-1-8); **Non-COI Ca** (FB54TR070609, 15 soil samples), **Non-COI Cr** (FB7720DT7-6-09); **Non-COI Ni** (SS-12-0-0.5 and SS-12-3.5-4) **Mn** (10 soil samples), **Non-COI Sb** (SS-18-Surface), **Non-COI Cd** (SS-19-0-0.5), **Non-COI Si**: SRI-13-4 and SRI-13-8, **Non-COI Mg** SRI-13-20, **Zn** SRI-1-20	Qualified detections as "U" undetected	Method Blanks, Instrument Blanks	A
		Sensitivity	<10 degrees C	FB54TR 070809	Results and reporting limits qualified as estimated "J"	Sample Transport Cooler Temperature Blank	S
		Accuracy/Bias Contamination	No target compounds ≥ QL	Non-COI Ca in FB6620-8-5-09 and 9 soil samples	Qualified detections as "U" undetected	Field Blanks	S
		Sensitivity	± 30%	None Noted		Laboratory Control Sample at QL	A

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 spike sol'n containing all metals being analysed

Matrix	Groundwater Lab = Lancaster
Analytical Group[1]	Volatile Organic Compounds
Concentration Level	Low

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
S-2, S-3 (Groundwater Sampling via Geoprobe; Groundwater Sampling via Volume Average Purge)	8260B/L-2	Precision - Lab	RPD ≤ 20%	None Noted		Laboratory Duplicates	A
		Precision - Field	RPD ≤ 30%	None Noted		Field Duplicates (1 per 20)	S & A
		Accuracy/Bias	± 20% recovery	None Noted		Standard Reference Material[4]	A
		Accuracy/Bias	Statistically derived QC limits which are updated semi-annually	None Noted		Matrix Spike, Matrix Spike Duplicate (1 per 20)	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	None Noted		Method Blanks, Instrument Blanks	A
		Accuracy	Initial calibration verification and percent drift within method limits	Non-COI compounds (SRI-DGT60 and Trip Blank)	Qualified detections as estimated "J" and rejected reporting limits for non-detect	Initial calibration verification sample and continuing calibration samples	A
				Non-COI compounds (multiple samples) and surrogate 1,2-DCE-d4 (1 sample)	Qualified results and reporting limits as estimated ("J")		A
		Accuracy	Internal Standard Data	Non-COI compounds (SRI-DGT-1-15; SRI-DGT-1-30: SRI-DGT-1-45 and Trip Blank Water)	Detections and reporting limits qualified as estimated ("J")	Standard Reference Material4	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	None Noted		Trip Blanks, Equipment Blanks (1 per cooler per day and 1 per 20)	S
		Sensitivity	± 30%	None Noted		Laboratory Control Sample at QL	A

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 Std. Ref. Material= spike solution containing at a minimum 1,1 dichloroethene,trichloroethene,chlorobenzene,toluene,benzene

Matrix	Groundwater Lab = Lancaster
Analytical Group[1]	Inorganics
Concentration Level	Low

Sampling Procedure[2]	Analytical Method/SOP[3]	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Exceptions (Performance Criteria Not Met)	Action Taken	QA Sample and/or Activity Used to Assess Measurement Performance	QC Sample Assesses Error for Sampling (S), Analytical (A) or both (S&A)
S-2, S-3 (Groundwater Sampling via Geoprobe; Groundwater Sampling via Volume Average Purge)	6010B/L-4	Precision - Lab	RPD ≤ 20%	None Noted		Laboratory Duplicates	A
		Precision - Field	If the samples are >2x the QL the ROD must be <20. If either the sample or the duplicate is <5x the QL the difference between the two values must be <QL. Not applicable if both samples are <QL.	None Noted		Field Duplicates (1 per 20)	S & A
		Accuracy/Bias	± 20% recovery	None Noted		Standard Reference Material[4]	A
		Accuracy/Bias	Use statistical limits or the method limit of ±25%, whichever it tighter. RPD must be <20%	**Non-COI Al:** DGT-3-15 T/D; DGT-3-30 T/D; DGT-3-45 T/D	Data rejected	Matrix Spike (1 per 20)	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	**Non-COI Co:** DGT-1-15 T/D; DGT-1-30 T/D; DGT-2-15 T/D; DGT-2-30 T/D; **Cd:** DGT-1-30 T/D; **Non-COI Mg:** FB8040DT-071309; **Cu:** DGT-3-15 T/D, FB071709, **Non-COI As:**GP-2-100, **Dissolved Ca** Equip Blank 8-21-09	Qualifed as undetected ("U")	Preparation Blanks	A
		Accuracy/Bias Contamination	No target compounds ≥ QL			Method Blanks, Instrument Blanks	A
		Accuracy/Bias Contamination	No target compounds ≥ QL	**Ni:** (DGT-3-45 Dissolved only), **Non-COI Ca** (FB7720DT7-6-09 and 13 soil samples), Zn (FB7720DT7-6-09 and 9 soil samples)	Qualifed as undetected ("U")	Equipment Blanks	S
		Sensitivity	± 30%	Serial dilution >acceptance criteria for Non-COI Al and Ba (7 samples), total Ni, total Zn (COI) - 11 samples	Results and Reporting limits qualified as estimated "J"	Laboratory Control Sample at QL	A
		Representativeness	Dissolved >20% of Total	DGT-3-15 (Fe, Ni, K); DGT-3-30 (Fe, Ni, K, Zn); DGT-3-45 (Fe, Ni, K, Na, Zn)	Detected results were qualified as estimated "J"	Dissolved to Total metals concentrations	S

1 If information varies within an analytical group, separate by individual analyte.
2 Reference number from QAPP Worksheet #21
3 Reference number from QAPP Worksheet #23
4 spike sol'n containing all metals being analysed

Completeness Evaluation Summary

Sampling Procedure[2]	Analytical Method/SOP[3]	Analysis	Data Quality Indicators (DQIs)	Measurement Performance Criteria	Phase I Task 3 Field	Phase I Task 3 Lab	Phase I Task 4 Field	Phase I Task 4 Lab	Phase I Task 5 Field	Phase I Task 5 Lab	Phase I Task 6 Field	Phase I Task 6 Lab	Phase I Task 7 Field	Phase I Task 7 Lab	Notes
S-1 (Collect Soil Samples via Geoprobe)	8260B-L-1	Volatile Organics	Completeness	> 90% soil collection, > 90% laboratory analysis	100	99.9	98	70							
	8260B/L-2	Semivolatile Organics	Completeness		100	100	98	100							Note individ. Rejections of Non-COIs
	8270C/L-3	Inorganics	Completeness		100	100	95	100/50*							
	7471A/L-4	Mercury	Completeness		100	100	95	100							
S-2, S-3 (Groundwater Sampling via Geoprobe; Groundwater Sampling via Volume Average Purge)	8260B-L-1	Volatile Organics	Completeness	> 90% groundwater collection, > 90% laboratory analysis					97	100	NA	NA			
	8260B/L-2	Semivolatile Organics	Completeness						100	100	100	?			
	8270C/L-3	Inorganics	Completeness						97	100	NA	NA			
	7471A/L-4	Mercury	Completeness						97	100	NA	NA			
S-4, S-5 (Collection of Soil Gas and Indoor Air)	TO-15/L-5	Volatile Organics	Completeness	> 90% collection, > 90% laboratory analysis									100	100	

Note: Completeness evaluation considers qualified data that were accepted to be "complete"
Rejected data are considered "incomplete"
Rejected data for non-COIs are not considered in the completeness evaluation if COI data are acceptable
Rejected field/trip blank data is not considered in the completeness evaluation
Shaded cells indicate that a given analysis was not performed for the phase/task and media listed

Phase I Task 4		
Total VO samples	40	
Samples out of hold	12	Note: DUA considered acceptable
Percent Complete	0.7	

March 2011 Validated									Higher March 2011 Validated than Historical	Historical								
sys_loc_code	sys_sample_code	sample_date	total_ or_dissolved	chemical_name	result_value	result_unit	NJDEP GWQS	Exceedance		sys_loc_code	sys_sample_code	sample_date	total_ or_dissolved	chemical_name	result_value	NJDEP GWQS	Exceedance	result_unit
DW-12	DW-12 Filtered-031711	3/17/2011	D	COPPER	0.0121	mg/l	1.3	No	**No**	DW-12	DW-12-030197	3/1/1997	T	COPPER	0.048	1.3	No	mg/l
DW-13D	DW-13D Filtered-031811	3/18/2011	D	COPPER	0.0043	mg/l	1.3	No	**No**	DW-13D	DW-13D-060198	6/1/1998	T	COPPER	0.045	1.3	No	mg/l
DW-13D	DW-13D-031811	3/18/2011	T	COPPER	0.0054	mg/l	1.3	No	**No**	DW-13D	DW-13D-090197	9/1/1997	T	COPPER	1.04	1.3	No	mg/l
DW-14	DW-14-031811	3/18/2011	T	COPPER	0.0033	mg/l	1.3	No	**No**	DW-14	DW-14-121404	12/14/2004	T	COPPER	0.0105	1.3	No	mg/l
DW-8D	DW-8D Filtered-031811	3/18/2011	D	COPPER	0.0038	mg/l	1.3	No	**No**	DW-8D	DW-8D-030103	3/1/2003	T	COPPER	0.0434	1.3	No	mg/l
DW-8D	DW-8D-031811	3/18/2011	T	COPPER	0.0054	mg/l	1.3	No	**No**	DW-8D	DW-8D-030199	3/1/1999	T	COPPER	0.015	1.3	No	mg/l
DW-8S	DW-8S Filtered-031811	3/18/2011	D	COPPER	0.0074	mg/l	1.3	No	**No**	DW-8S	DW-8S-031501	3/15/2001	T	COPPER	0.13	1.3	No	mg/l
DW-8S	DW-8S-031811	3/18/2011	T	COPPER	0.01	mg/l	1.3	No	**No**	DW-8S	DW-8S-031506	3/15/2006	T	COPPER	0.0191	1.3	No	mg/l
EPA-3	EPA-3 Filtered-031611	3/16/2011	D	COPPER	0.0041	mg/l	1.3	No	**No**	EPA-3	EPA-3-030199	3/1/1999	T	COPPER	0.012	1.3	No	mg/l
EPA-3	EPA-3-031611	3/16/2011	T	COPPER	0.0056	mg/l	1.3	No	**No**	EPA-3	EPA-3-031501	3/15/2001	T	COPPER	0.09	1.3	No	mg/l
KA-1S	KA-1S-031811	3/18/2011	T	COPPER	0.0035	mg/l	1.3	No	**No**	KA-1S	KA-1S-030103	3/1/2003	T	COPPER	0.0466	1.3	No	mg/l
MI-02A	MI-2A Filtered-032311	3/23/2011	D	COPPER	0.0302	mg/l	1.3	No	**No**	MI-02A	MI-2A-031500	3/15/2000	T	COPPER	0.105	1.3	No	mg/l
MI-02A	MI-2A-032311	3/23/2011	T	COPPER	0.0414	mg/l	1.3	No	**No**	MI-02A	MI-2A-031501	3/15/2001	T	COPPER	0.97	1.3	No	mg/l
WCC-11M	WCC-11M-032311	3/23/2011	T	COPPER	0.102	mg/l	1.3	No	**No**	WCC-11M	WCC-11M-031501	3/15/2001	T	COPPER	0.33	1.3	No	mg/l
WCC-11M	WCC-11M-D-032311	3/23/2011	T	COPPER	0.0986	mg/l	1.3	No	**No**	WCC-11M	WCC-11M-061500	6/15/2000	T	COPPER	0.165	1.3	No	mg/l
DW-13D	DW-13D-031811	3/18/2011	T	ZINC	0.432	mg/l	2	No	**No**	DW-13D	DW-13D-030197	3/1/1997	T	ZINC	0.65	2	No	mg/l
DW-13S	DW-13S-031811	3/18/2011	T	ZINC	0.0282	mg/l	2	No	**No**	DW-13D	DW-13D-120197	12/1/1997	T	ZINC	0.29	2	No	mg/l
DW-13S	DW-13S Filtered-031811	3/18/2011	D	ZINC	0.0293	mg/l	2	No	**No**	DW-13D	DW-13D-121404	12/14/2004	T	ZINC	0.33	2	No	mg/l
DW-14	DW-14-031811	3/18/2011	T	ZINC	0.261	mg/l	2	No	**No**	DW-14	DW-14-121404	12/14/2004	T	ZINC	0.326	2	No	mg/l
RS-2A	RS-2A-032311	3/23/2011	T	COPPER	123	mg/l	1.3	Yes	**No**	RS-2A	RS-2A-092004	9/20/2004	T	COPPER	198	1.3	Yes	mg/l
RS-2A	RS-2A Filtered-032311	3/23/2011	D	COPPER	121	mg/l	1.3	Yes	**No**	RS-2A	RS-2A-101304	10/13/2004	T	COPPER	210	1.3	Yes	mg/l