ATTACHMENT 4

Well Development and Purge Logs

WELL DEVELOPMENT LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** MW-16

Site Name: FIBERS **Date:** 11/27/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	19.42	1"	0.04
B) Water level below top of casing in feet.	5.81	2"	0.17
C) Number of feet standing water [A-B].	13.61	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	2.31	5"	1.04
F) Volume of water to remove (gal.) [Ex5].	11.57	6"	1.50
G) Volume of water actually removed (gal.).	12.0	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	5	10	17					
pH	6.75	7.07						
Spec Cond (us)	3152	2992						
Temp. (°C)	10°	10°						
Appearance	CLOUDY BROWN	TRANS TAN	PARTICULATE					

Comments:

WELL DEVELOPMENT LOG

LiRo Engineers

Project Title: SPAULDING FIBRE **Well Number:** MW-43

Site Name: **Date:** 11/27/07 → 11/29/07

Staff: MIKE BYRNES/ JASON COLVIN

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	13.6	1"	0.04
B) Water level below top of casing in feet.	8.2	2"	0.17
C) Number of feet standing water [A-B].	5.4	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	0.918	5"	1.04
F) Volume of water to remove (gal.) [Ex5].	4.58	6"	1.50
G) Volume of water actually removed (gal.).	8.5	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	3.0	5.0	6.0	8.0				
pH	7.29	7.39	7.38	7.42				
Spec Cond (us)	2085	2260	2153	2205				
Temp. (°C)	9.5	8.7	9.8	8.9				
Appearance	THICK BROWN	CLEAR BROWN	CLEAR	BROWN				

Comments:

WELL DEVELOPMENT LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** MW-59

Site Name: FIBRE **Date:** 11/27/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	8.0	1"	0.04
B) Water level below top of casing in feet.	1.2	2"	(0.17)
C) Number of feet standing water [A-B].	6.8	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	1.16	5"	1.04
F) Volume of water to remove (gal.) [Ex5].	5.78	6"	1.50
G) Volume of water actually removed (gal.).	6	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	3	6						
pH	7.05	7.05						
Spec Cond (us)	2765	2895						
Temp. (°C)	9.5	9.2						
Appearance	BROWN TRANSLUCENT	SAME						

Comments:

WELL DEVELOPMENT LOG

LiRo Engineers

Project Title: SPAULDING FIBRE **Well Number:** MW-59.1

Site Name: **Date:** 11/27/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	10.82	1"	0.04
B) Water level below top of casing in feet.	18.89	2"	(0.17)
C) Number of feet standing water [A-B].	8.07	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	1.37	5"	1.04
F) Volume of water to remove (gal.) [Ex5].	6.86	6"	1.50
G) Volume of water actually removed (gal.).	7.0	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	3	7						
pH	6.65	6.74						
Spec Cond (us)	2765	2816						
Temp. (°C)	11°	11°						
Appearance	BROWN CLOUDY	CLEAR						

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING FIBRE

Well Number: OW-1

Site Name:

Date: 12/19/07

Staff: M BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	22.10	1"	0.04
B) Water level below top of casing in feet.	4.54	2"	0.17
C) Number of feet standing water [A-B].	17.56	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	2.98	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	8.90	6"	1.50
G) Volume of water actually removed (gal.).	5.0	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	5							
pH	9.81							
Spec Cond (us)	12.80							
Temp. (°C)	9.4							
Appearance	CLEAR BLACK TINT							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING FIBRE

Well Number: OW-2

Site Name:

Date: 12/19/07

Staff: M. BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	22.10	1"	0.04
B) Water level below top of casing in feet.	4.34	2"	0.17
C) Number of feet standing water [A-B].	17.76	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	3.01	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	9.06	6"	1.50
G) Volume of water actually removed (gal.).	5.0	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	5							
pH	7.73							
Spec Cond (us)	590							
Temp. (°C)	8.8							
Appearance	BROWN TRANSLUCENT							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** OW-3

Site Name: FIBRE **Date:** 12/19/07

Staff: M. BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	22.60	1"	0.04
B) Water level below top of casing in feet.	5.66	2"	0.17
C) Number of feet standing water [A-B].	16.94	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	2.88	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	8.60	6"	1.50
G) Volume of water actually removed (gal.).	9.0	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	5	9						
pH	7.91	7.85						
Spec Cond (us)	974	1004						
Temp. (°C)	10.0	9.8						
Appearance	CLEAR W/ BLACK SED.							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** OW-4

Site Name: RBRS **Date:** 12/18/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	22.17	1"	0.04
B) Water level below top of casing in feet.	5.86	2"	0.17
C) Number of feet standing water [A-B].	16.31	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	2.77	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	9.30	6"	1.50
G) Volume of water actually removed (gal.).	5	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	5							
pH	9.19							
Spec Cond (us)	1150							
Temp. (°C)	11.9							
Appearance	CLEAR W/ BLACK SED.							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** OW-6

Site Name: RIPLEY **Date:** 12/18/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	22.10	1"	0.04
B) Water level below top of casing in feet.	6.87	2"	0.17
C) Number of feet standing water [A-B].	15.23	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	2.59	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	7.77	6"	1.50
G) Volume of water actually removed (gal.).	5	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	5							
pH	8.65							
Spec Cond (us)	1450							
Temp. (°C)	10.8							
Appearance	CLEAR W/ BLACK SED							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** OW-9

Site Name: RIBBS **Date:** 12/14/07

Staff: MIKE BYRNE WELL SCREEN OBSTRUCTED - NO ACCESS

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	21.0	1"	0.04
B) Water level below top of casing in feet.	7.25	2"	0.17
C) Number of feet standing water [A-B].	13.75	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].		5"	1.04
F) Volume of water to remove (gal.) [Ex3].		6"	1.50
G) Volume of water actually removed (gal.).		8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters								
pH								
Spec Cond (us)								
Temp. (°C)								
Appearance								

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** OW-10

Site Name: KIBBE **Date:** 12/14/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	15.70	1"	0.04
B) Water level below top of casing in feet.	7.45	2"	0.17
C) Number of feet standing water [A-B].	8.25	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	14.0	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	4.20	6"	1.50
G) Volume of water actually removed (gal.).	5	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	2.5	5.0						
pH	8.24	7.77						
Spec Cond (us)	2155	1481						
Temp. (°C)	8.90	9.9						
Appearance	CLEAR W/ BLACK SED.							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** OW-12

Site Name: FIBRE **Date:** 12/18/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	31.3	1"	0.04
B) Water level below top of casing in feet.	7.68	2"	0.17
C) Number of feet standing water [A-B].	23.62	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	4.01	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	12.05	6"	1.50
G) Volume of water actually removed (gal.).	10	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	5							
pH	8.98	8.73						
Spec Cond (us)	1248	1201						
Temp. (°C)	9.2	9.6						
Appearance	CLOUDY W/ BLACK SED.							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING RIDGE **Well Number:** OW-A1

Site Name: **Date:** 12/18/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	33.2	1"	0.04
B) Water level below top of casing in feet.	5.23	2"	0.17
C) Number of feet standing water [A-B].	27.97	3"	0.38
D) Volume of water/foot of casing (gal.).	0.66	(4")	0.66
E) Volume of water in casing (gal.) [CxD].	18.46	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	55.4	6"	1.50
G) Volume of water actually removed (gal.).	10	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	5	10						
pH	7.54	7.53						
Spec Cond (us)	590	594						
Temp. (°C)	9.4	10.2						
Appearance	CLEAR							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** OW-B2

Site Name: FIBERS **Date:** 12/18/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	31.42	1"	0.04
B) Water level below top of casing in feet.	5.92	2"	0.17
C) Number of feet standing water [A-B].	25.29	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	(4")	0.66
E) Volume of water in casing (gal.) [CxD].	16.7	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	50.1	6"	1.50
G) Volume of water actually removed (gal.).	8	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	5	8						
pH	7.65	7.66						
Spec Cond (us)	410	413						
Temp. (°C)	10.2	10.0						
Appearance	CLEAR							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING FIBRE

Well Number: MW-A

Site Name:

Date: 2/7/08

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	19.8	1"	0.04
B) Water level below top of casing in feet.	8.2	2"	0.17
C) Number of feet standing water [A-B].	11.6	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	1.97	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	5.92	6"	1.50
G) Volume of water actually removed (gal.).	6.00	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	3	3						
pH	6.92	7.03						
Spec Cond (us)	>3999	>3999						
Temp. (°C)	10.4	9.8						
Appearance	CLEAR →							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING FIBRE **Well Number:** MW-B

Site Name: **Date:** 2/7/08

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	19.6	1"	0.04
B) Water level below top of casing in feet.	6.57	2"	0.17
C) Number of feet standing water [A-B].	13.03	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	2.21	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	6.64	6"	1.50
G) Volume of water actually removed (gal.).	6	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	3	3						
pH	7.15	7.20						
Spec Cond (us)	2665	3095						
Temp. (°C)	96	94						
Appearance	CLEAR →							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** MW-16

Site Name: FIBRE **Date:** 12/14/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	19.60	1"	0.04
B) Water level below top of casing in feet.	5.00	2"	0.17
C) Number of feet standing water [A-B].	14.60	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	2.50	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	7.00	6"	1.50
G) Volume of water actually removed (gal.).	7	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	7							
pH	7.02							
Spec Cond (us)	2906							
Temp. (°C)	9.6							
Appearance	CLEAR W/ TAN	TINT						

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** MW-43

Site Name: FIBRE **Date:** 12/14/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	25.91	1"	0.04
B) Water level below top of casing in feet.	5.91	2"	0.17
C) Number of feet standing water [A-B].	20.00	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	2.4	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	7.2	6"	1.50
G) Volume of water actually removed (gal.).	7.0	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	3.5	7.0						
pH	7.41	7.38						
Spec Cond (us)	2160	2270						
Temp. (°C)	7.2	7.1						
Appearance	CLEAR W/ BROWN TINT							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** MW-59

Site Name: RIBBS **Date:** 12/14/07

Staff: MIKE BYRNS

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	8.2	1"	0.04
B) Water level below top of casing in feet.	2.2	2"	0.17
C) Number of feet standing water [A-B].	6.0	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	1.03	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	3.0	6"	1.50
G) Volume of water actually removed (gal.).	3	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	2	3						
pH	7.51	7.49						
Spec Cond (us)	2480	2530						
Temp. (°C)	7.2	7.4						
Appearance	BROWN TINT CLEAR							

Comments:

WELL PURGE LOG

LiRo Engineers

Project Title: SPAULDING **Well Number:** MW-59.1

Site Name: FIRES **Date:** 12/14/07

Staff: MIKE BYRNE

		Well ID	Volume (gal/ft)
A) Total casing and screen length in feet.	19.15	1"	0.04
B) Water level below top of casing in feet.	12.55	2"	0.17
C) Number of feet standing water [A-B].	6.60	3"	0.38
D) Volume of water/foot of casing (gal.).	0.17	4"	0.66
E) Volume of water in casing (gal.) [CxD].	1.12	5"	1.04
F) Volume of water to remove (gal.) [Ex3].	3.40	6"	1.50
G) Volume of water actually removed (gal.).	3.0	8"	2.60

$V = .0408 \times (\text{casing diameter})^2$

	Accumulated Volume Purged in Gallons							
Parameters	3							
pH	6.85							
Spec Cond (us)	2815							
Temp. (°C)	9.3							
Appearance	CLEAR W/ TAN	TINT						

Comments:

ATTACHMENT 5

Data Usability Summary Report

Data Quality Assessment
Spaulding Fibre Site
Tonawanda, NY

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation Draft DER-10 *Technical Guidance for Site Investigation and Remediaton*, dated December 2002, Appendix 2B. The report presents the findings of the data quality assessment performed on the analyses of environmental samples collected for the Site Investigation and Remedial Alternatives Report (SI/RAR) for the Spaulding Fibre Site (Site) in Tonawanda, New York. Samples for the sampling program were collected between July 25, 2007 and December 14, 2007. The chemical data for samples collected were validated to identify potential data quality issues which could affect the use of the data for decision making purposes.

A total of 202 soil samples, 15 groundwater samples, and 9 building material samples as well as associated quality control samples were collected for chemical analysis during this sampling event. Chemtech Laboratories, Inc. of Mountainside, NJ performed the chemical analyses following United States Environmental Protection Agency (USEPA) method guidelines:

- Volatile Organic Compounds (VOCs) following USEPA SW846[1] Method 8260B Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (December, 1996);
- Semivolatile Organic Compounds (SVOCs) following USEPA SW846 Method 8270C Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (January, 1998);
- Organochlorine Pesticides following USEPA SW846 Method 8081A Organochlorine Pesticides by Gas Chromatography (December 1996);
- Polychlorinated Biphenyls (PCBs) following USEPA SW846 Method 8082 Polychlorinated Biphenyls by Gas Chromatography (December 1996);
- Metals following USEPA SW846 Method 6010B Inductively Coupled Plasma-Atomic Emission Spectrometry (December 1996);
- Mercury following USEPA SW846 Method 7471A Mercury in Solid or Semi-Solid Waste (September 1994);

[1] USEPA, 1996, Test methods for evaluating solid waste, physical/chemical methods (SW-846): 3rd edition, Environmental Protection Agency, National Center for Environmental Publications, Cincinnati, Ohio, accessed at URL http://www.epa.gov/epaoswer/hazwaste/test/sw846.htm.

- Cyanide following USEPA SW846 Method 9012 Total and Amenable Cyanide (Automated Colorimetric, with Off-Line Distillation (November 2004);
- Methanol and Ethanol following USEPA SW846 Method 8015 (modified) Nonhalogenated Organics by Gas Chromatography (February 2007);
- Herbicides following USEPA SW846 Method 8151A Chlorinated Herbicides by Gas Chromatography (December 1996);
- Reactive cyanide and Reactive sulfide following USEPA SW846 Chapter 7 (November 2004);
- Corrosivity following USEPA SW846 Method 9045D Soil and Waste pH (November 2004); and,
- Ignitability following USEPA SW846 Method 1020B Standard Test Methods for flashpoint (November 2004).

A number of samples were also prepared and analyzed by the Toxicity Characteristic Leaching Procedure (TCLP) following USEPA SW846 Method 1311 Toxicity Characteristic Leaching Procedure (July 1992). Information regarding the sample point identifications, analytical parameters, QC samples, sampling dates, and contract laboratory sample delivery group (SDG) designations are summarized in Table 1.

NYSDEC ASP data deliverables packages and compliance with ASP QA/QC criteria were also required as part of this investigational data.

A complete level IV data validation was performed on at least 5% of the samples following the guidelines of the New York State Department of Environmental Conservation Division of Solid & Hazardous Materials Technical Administrative Guidance Memorandum (TAGM) SW-96-09 (effective date: 5/3/2001). The validation included: a review of holding times and completeness of all required deliverables; a review of quality control (QC) results (blanks, instrument tunings, calibration standards, duplicate analyses, and laboratory control sample recoveries) to determine if the data are within the protocol-required limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Data for organics (VOCs and SVOCs) were validated following USEPA Region II Standard Operating Procedures (SOPs) No. HW-24, Revision 2, Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (October 2006), and SOP No. HW-22, Revision

3, Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (October 2006). Data for Organochlorine Pesticides, PCBs, herbicides, methanol and ethanol were validated following USEPA Region II SOP HW-6, Rev. 14, Contract Laboratory Program (CLP) Organics Data Review and Preliminary Review (September 2006). Metals and other inorganic data were validated following SOP No. HW-2, Revision 13, Evaluation of Metals Data for the Contract Laboratory Program (September 2005), where applicable to SW846 analyses. Additionally, NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation[2] was used in the validation, where applicable to the respective USEPA SW846 methods as described above. In general, chemical results for the samples collected at the site were qualified on the basis of outlying precision or accuracy parameters, or on the basis of professional judgment when required. The following definitions provide brief explanations of the qualifiers which may have been assigned to data during the data validation process.

J	Analyte is present; however, the reported value may not be accurate or precise.
UJ	The analyte was not detected above the method detection limit. The associated detection limit is considered estimated.
U	The analyte was analyzed for, but was not detected above the method detection limit.
R	The sample result was rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria.

In general, the data generated during this sampling event met the quality control (QC) criteria established in the respective USEPA methodology and guidelines. The following bulleted items highlight qualifications to specific parameters based on the validation procedures. Although these qualifications were applied to some of the samples collected, the qualifications may have not been required or applied to all samples collected at the site. Table 2 summarizes all qualifications applied to the data for each sample collected.

- In VOC, SVOC, Pesticide and PCB fractions, the difference between the initial and continuing calibration curves were greater than 25%. Detected parameters were qualified as estimated (**J**), and non detected parameters were qualified as having their reporting limits estimated (**UJ**).

[2] NYSDEC (Draft) Department of Environmental Remediation Technical Guidance for Site Investigation and Remediation, December, 2002, accessed at URL http://www.dec.ny.gov/docs/remediation_hudson_pdf/der10dr.pdf

- Field sample results for methylene chloride and di-n-butylphthalate were qualified as estimated (**J**) for detects and (**UJ**) for non-detects where the field duplicate precision exceeded 100%.

- Non detected field sample result reporting limits were qualified as estimated (**UJ**) when the initial calibration relative standard deviation was above QC limits.

- USEPA SW846 Method 8000B, which specifies QC requirements for gas chromatograph analyses, requires that a minimum of five (5) standards be used during calibration. The laboratory performed a three (3) point calibration for methanol and ethanol. Therefore, non detect methanol and ethanol results in three field samples were rejected (**R**) due to improper calibration.

- Mercury results in several field samples were qualified as non-detect (**U**) due to blank contamination.

- Fifteen (15) unique parameters for three (3) primary field samples and one reanalyzed field sample were qualified as estimated (**J**) for detects and (**UJ**) non-detects when the associated internal standard area counts were between 25%-50% of the 12-hour standard.

- Thirty-five (35) unique parameters for two primary field samples and three reanalyzed field samples were rejected (**R**) due to internal standard area counts below 25%.

- Field sample results for several parameters were qualified as estimated (**J**) for detects and (**UJ**) non-detects when the laboratory control standards were outside of laboratory QC limits.

- Field sample results for several inorganic parameters were qualified as estimated (**J**) for detects and (**UJ**) non-detects when the matrix spike was below laboratory QC limits.

- Field sample results for antimony and silver were rejected (**R**) in fourteen (14) primary field samples, one (1) field duplicate sample and nine (9) samples that were run at a dilution due to the matrix spike sample analysis percent recovery being less than 30%.

- Field sample results for methylene chloride were qualified as estimated (**J**) when there was method blank contamination.

- The field sample result for cyanide was rejected (**R**) in one primary field sample due to negative instrument response during sample analysis.

- Field sample results for several inorganic parameters were qualified as estimated (**J**) for detects and (**UJ**) non-detects when there was preparation blank contamination.

- Field sample results for bis(2-ethylhexyl)phthalate were qualified as non-detect (**UJ**) due to rinsate blank contamination.

- Field sample results for formaldehyde in two groundwater samples were qualified as estimated (**J**) due to the samples being analyzed out of method established analytical hold time.

- Field sample results for many inorganic parameters were qualified as estimated (**J**) for detects and (**UJ**) non-detects due to the percent difference of their serial dilution being outside of QC limits of 10%.

- Field sample results for several parameters were qualified as estimated (**J**) for detects and (**UJ**) non-detects when the surrogate recovery was outside of laboratory QC limits.

- Field sample results for forty-four (44) parameters in the VOC and SVOC fractions for two (2) primary field samples, three (3) field samples that were run at dilutions, and two (2) samples that were reanalyzed were rejected (**R**)) due to the surrogate recovery being less than 10%.

Based on the results of the data validation, the analytical data for samples collected as part of the Spaulding Fibre Site Investigation were determined to be acceptable (including estimated [J/UJ] data) for their intended use, with the exception of data qualified as rejected (R). In general, data collected met acceptable levels of accuracy and precision, based on Laboratory Control Samples, Matrix Spike and Matrix Spike Duplicate samples, field duplicate samples, laboratory surrogate recoveries, and calibration data. In addition, the data completeness goal (i.e. the ratio of the amount of valid data obtained to the amount expected, including estimated data) was 97.2 percent, which exceeds the laboratory goal of 90%.

Table 1
Spaulding Fibre Site
Tonawanda, New York
Sampling and Analysis Summary

SDG	Field ID	SDG	Matrix	Sample Date	VOCs	SVOCs	Metals	Cyanide	Form	Me/EtOH	TCLP	Ignitability	Corros	PCBs	Pest	React CN	React Sulf.	Dup.
Y3704	SP-09	Y3704	Soil	7/25/2007	x	x	x	x						x	x			
Y3704	SP-09 DUP	Y3704	Soil	7/25/2007	x	x	x	x						x	x			x
Y3704	SP-10	Y3704	Soil	7/25/2007	x	x	x	x		x				x	x			
Y3704	SP-11	Y3704	Soil	7/25/2007	x	x	x	x						x	x			
Y3704	SP-21	Y3704	Soil	7/25/2007	x	x	x	x						x	x			
Y3704	SP-22	Y3704	Soil	7/25/2007	x	x	x	x						x	x			
Y3704	TP-27	Y3704	Soil	7/25/2007	x	x	x	x						x	x			
Y3704	TP-28	Y3704	Soil	7/25/2007	x	x	x	x		x				x	x			
Y3704	TP-29	Y3704	Soil	7/25/2007	x	x	x	x		x				x	x			
Y3704	TP-30	Y3704	Soil	7/25/2007	x	x	x	x		x				x	x			
Y3704	TP-65	Y3704	Soil	7/25/2007	x	x	x	x						x	x			
Y5070	10 N 4-6	Y5070	Soil	10/31/2007	x	x	x	x						x	x			
Y5070	10 N 8-12	Y5070	Soil	10/31/2007	x	x	x	x						x	x			
Y5070	10 N 8-12 DUP	Y5070	Soil	10/31/2007	x	x	x	x						x	x			x
Y5070	5 N 10-11	Y5070	Soil	10/31/2007	x	x	x	x						x	x			
Y5070	5 N 6-8	Y5070	Soil	10/31/2007	x	x	x	x						x	x			
Y5070	57 F 2-4	Y5070	Soil	10/26/2007	x	x	x	x						x	x			
Y5070	57 N 18-20	Y5070	Soil	10/26/2007	x	x	x	x						x	x			
Y5070	57 N 4-6	Y5070	Soil	10/26/2007	x	x	x	x						x	x			
Y5070	57 N 9-11	Y5070	Soil	10/26/2007	x	x	x	x						x	x			
Y5070	58 F 0-2	Y5070	Soil	10/26/2007	x	x	x	x						x	x			
Y5070	58 F 4-6	Y5070	Soil	10/26/2007	x	x	x	x						x	x			
Y5070	58 N 13-14	Y5070	Soil	10/26/2007	x	x	x	x						x	x			
Y5070	58.1 F 2-4	Y5070	Soil	10/26/2007	x	x	x	x						x	x			
Y5070	58.1 N 11-12	Y5070	Soil	10/26/2007	x	x	x	x						x	x			
Y5070	59 N 4-5	Y5070	Soil	10/26/2007	x	x	x	x						x	x			
Y5070	Trip Blank	Y5070	Water	10/30/2007	x													
Y5423	SC-2A	Y5423	Cured Resin	11/20/2007	x	x												
Y5423	SC-3	Y5423	Wall Block	11/20/2007	x	x												
Y5423	SC-4	Y5423	Floor Slab	11/20/2007	x	x					x	x	x			x	x	
Y5423	TP17.1 5-6 F	Y5423	Soil	11/20/2007	x	x	x	x						x	x			
Y5423	TP6 2-3 N	Y5423	Soil	11/19/2007	x	x	x	x						x				
Y5423	TP7 1.0-1.5 F	Y5423	Soil	11/19/2007	x	x	x	x						x				
Y5423	TP7 2-3 N	Y5423	Soil	11/19/2007	x	x	x	x						x				
Y5423	TP8 1-2 F	Y5423	Soil	11/19/2007	x	x	x	x						x				
Y5423	TP8 2-3 N	Y5423	Soil	11/19/2007	x	x	x	x						x				
Y5423	TP84 1-2 F	Y5423	Soil	11/19/2007	x	x	x	x						x				
Y5423	TP84 1-2 F DUP	Y5423	Soil	11/19/2007	x	x	x	x						x				x
Y5423	TP84 2-3 N	Y5423	Soil	11/19/2007	x	x	x	x						x				
Y5423	TP9 2-3 N	Y5423	Soil	11/19/2007	x	x	x	x						x				
Y5790	MW-16	Y5790	Water	12/13/2007	x	x	x	x						x				
Y5790	MW-43	Y5790	Water	12/14/2007	x	x	x	x	x	x				x				
Y5790	MW-59	Y5790	Water	12/14/2007	x	x	x	x						x				
Y5790	MW-59.1	Y5790	Water	12/14/2007	x	x	x	x						x				
Y5790	OW-10	Y5790	Water	12/14/2007	x	x	x	x	x	x				x				

Abbreviations
Corros-Corrosivity
Corrosivity: SW846 Method 9045
Cyanide: SW846 9012
Form: Formalehyde
Formaldehyde by HACH 8110
Ignitability: SW846 Method 7.1
Me/EtOH: Methanol / Ethanol
Me/EtOH: SW846 Method 8015 (Modified)
Metals: SW846 Method 6010B/7471A
MS/MSD - Matrix Spike/Matrix Spike Duplicate
PCBs- Polychlorinated Biphenyls
PCBs: SW846 Method 8082
Pest: Pesticides
Pest: SW846 Method 8081
React CN-Reactive cyanide
React Sulf.-Reactive sulfide
Reactive Cyanide: SW846 Method 7.3.3.2
Reactive Sulfide: SW846 7.3.4.2
SDG - Sample Delivery Group
SVOCs: SW846 Method 8270C
SVOCs-Semivolatile Organic Compounds
TCLP-TCLP VOCs, SVOCs, Pesticides, Herbicides, Metals.
TCLP-Toxicity Characteristic Leaching Procedure
VOCs: SW846 Method 8260B
VOCs-Volatile Organic Compounds

Table 2
Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	10 N 4-6	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	10 N 4-6	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	10 N 4-6	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	10 N 4-6	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	10 N 4-6	Calcium	NC	J	Serial dilution above QC limits.
Y5070	10 N 4-6	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	10 N 4-6	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	10 N 4-6	Hexachlorobutadiene	NC	UJ	Cont. Cal. %D > +/- 20%
Y5070	10 N 4-6	Iron	NC	J	Serial dilution above QC limits.
Y5070	10 N 4-6	Lead	NC	J	Serial dilution above QC limits.
Y5070	10 N 4-6	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	10 N 4-6	Manganese	NC	J	Serial dilution above QC limits.
Y5070	10 N 4-6	Mercury	NC	J	Serial dilution above QC limits.
Y5070	10 N 4-6	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	10 N 4-6	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	10 N 4-6	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	10 N 4-6	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	10 N 4-6	Zinc	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12	2,4-Dinitrophenol	NC	UJ	MS/MSD below criteria
Y5070	10 N 8-12	4,6-Dinitro-2-methylphenol	NC	UJ	MS/MSD below criteria
Y5070	10 N 8-12	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	10 N 8-12	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12	Calcium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	10 N 8-12	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	10 N 8-12	Hexachlorobutadiene	NC	UJ	Cont. Cal. %D > +/- 20%
Y5070	10 N 8-12	Iron	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12	Lead	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12	Manganese	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12	Mercury	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	10 N 8-12	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	10 N 8-12	Sodium	NC	J	Matrix spike below QC criteria.

Table 2
Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	10 N 8-12	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	10 N 8-12	Zinc	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DL	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	10 N 8-12 DL	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DL	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DL	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DL	Calcium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DL	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	10 N 8-12 DL	Iron	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DL	Lead	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DL	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DL	Manganese	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DL	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	10 N 8-12 DL	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	10 N 8-12 DL	Sodium	NC	UJ	Matrix spike below QC criteria.
Y5070	10 N 8-12 DL	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	10 N 8-12 DL	Zinc	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	10 N 8-12 DUP	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP	Calcium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	10 N 8-12 Dup	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	10 N 8-12 DUP	Iron	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP	Lead	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP	Manganese	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP	Mercury	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 Dup	Mercury	0.01	U	Prep blank contamination.
Y5070	10 N 8-12 DUP	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	10 N 8-12 DUP	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	10 N 8-12 DUP	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	10 N 8-12 DUP	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	10 N 8-12 DUP	Zinc	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Antimony	NC	R	Matrix spike excessively below QC criteria.

Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	10 N 8-12 DUP DL	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Calcium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	10 N 8-12 DUP DL	Iron	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Lead	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Manganese	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	10 N 8-12 DUP DL	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	10 N 8-12 DUP DL	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	10 N 8-12 DUP DL	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	10 N 8-12 DUP DL	Zinc	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	5 N 10-11	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11	Calcium	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	5 N 10-11	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	5 N 10-11	Iron	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11	Lead	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11	Manganese	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11	Mercury	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	5 N 10-11	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	5 N 10-11	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	5 N 10-11	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	5 N 10-11	Zinc	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11 DL	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	5 N 10-11 DL	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11 DL	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11 DL	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11 DL	Calcium	NC	J	Serial dilution above QC limits.

Table 2
Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	5 N 10-11 DL	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	5 N 10-11 DL	Iron	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11 DL	Lead	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11 DL	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11 DL	Manganese	NC	J	Serial dilution above QC limits.
Y5070	5 N 10-11 DL	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	5 N 10-11 DL	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	5 N 10-11 DL	Sodium	NC	UJ	Matrix spike below QC criteria.
Y5070	5 N 10-11 DL	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	5 N 10-11 DL	Zinc	NC	J	Serial dilution above QC limits.
Y5070	5 N 6-8	Acetone	NC	UJ	Surrogate recovery high.
Y5070	5 N 6-8	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	5 N 6-8	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	5 N 6-8	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	5 N 6-8	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	5 N 6-8	Calcium	NC	J	Serial dilution above QC limits.
Y5070	5 N 6-8	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	5 N 6-8	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	5 N 6-8	Hexachlorobutadiene	NC	UJ	Cont. Cal. %D > +/- 20%
Y5070	5 N 6-8	Iron	NC	J	Serial dilution above QC limits.
Y5070	5 N 6-8	Lead	NC	J	Serial dilution above QC limits.
Y5070	5 N 6-8	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	5 N 6-8	Manganese	NC	J	Serial dilution above QC limits.
Y5070	5 N 6-8	Mercury	NC	J	Serial dilution above QC limits.
Y5070	5 N 6-8	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	5 N 6-8	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	5 N 6-8	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	5 N 6-8	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	5 N 6-8	Zinc	NC	J	Serial dilution above QC limits.
Y5070	5 N 6-8RE	Acetone	NC	UJ	Surrogate recovery high.
Y5070	5 N 6-8RE	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	57 F 2-4	1,1,2,2-Tetrachloroethane	NC	UJ	Internal Standard low.
Y5070	57 F 2-4	1,2,4-Trichlorobenzene	NC	UJ	Internal Standard low.
Y5070	57 F 2-4	1,2-Dibromo-3-Chloroprpane	NC	UJ	Internal Standard low.
Y5070	57 F 2-4	1,2-Dichlorobenzene	NC	UJ	Internal Standard low.
Y5070	57 F 2-4	1,2-Dichloroethane	NC	UJ	Surrogate recovery low.

Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	57 F 2-4	1,2-Dichloropropane	NC	UJ	Surrogate recovery low.
Y5070	57 F 2-4	1,3-Dichlorobenzene	NC	UJ	Internal Standard low.
Y5070	57 F 2-4	1,4-Dichlorobenzene	NC	UJ	Internal Standard low.
Y5070	57 F 2-4	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	57 F 2-4	Arsenic	NC	UJ	Serial dilution above QC limits.
Y5070	57 F 2-4	Benzene	NC	UJ	Surrogate recovery low.
Y5070	57 F 2-4	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	57 F 2-4	Bromodichloromethane	NC	UJ	Surrogate recovery low.
Y5070	57 F 2-4	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	57 F 2-4	Calcium	NC	J	Serial dilution above QC limits.
Y5070	57 F 2-4	Carbon Tetrachloride	NC	UJ	Surrogate recovery low.
Y5070	57 F 2-4	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	57 F 2-4	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	57 F 2-4	Iron	NC	J	Serial dilution above QC limits.
Y5070	57 F 2-4	Isopropylbenzene	NC	UJ	Internal Standard low.
Y5070	57 F 2-4	Lead	NC	J	Serial dilution above QC limits.
Y5070	57 F 2-4	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	57 F 2-4	Manganese	NC	J	Serial dilution above QC limits.
Y5070	57 F 2-4	Mercury	NC	J	Serial dilution above QC limits.
Y5070	57 F 2-4	Methylcyclohexane	NC	UJ	Surrogate recovery low.
Y5070	57 F 2-4	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	57 F 2-4	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	57 F 2-4	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	57 F 2-4	Trichloroethene	NC	UJ	Surrogate recovery low.
Y5070	57 F 2-4	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	57 F 2-4	Zinc	NC	J	Serial dilution above QC limits.
Y5070	57 F 2-4RE	1,1,2,2-Tetrachloroethane	NC	R	Internal Standard extremely low.
Y5070	57 F 2-4RE	1,2,4-Trichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	57 F 2-4RE	1,2-Dibromo-3-Chloroprpane	NC	R	Internal Standard extremely low.
Y5070	57 F 2-4RE	1,2-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	57 F 2-4RE	1,2-Dichloroethane	NC	UJ	Surrogate recovery low.
Y5070	57 F 2-4RE	1,2-Dichloropropane	NC	UJ	Surrogate recovery low.
Y5070	57 F 2-4RE	1,3-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	57 F 2-4RE	1,4-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	57 F 2-4RE	Benzene	NC	UJ	Surrogate recovery low.
Y5070	57 F 2-4RE	Bromodichloromethane	NC	UJ	Surrogate recovery low.

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Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	57 F 2-4RE	Bromoform	NC	R	Internal Standard extremely low.
Y5070	57 F 2-4RE	Carbon Tetrachloride	NC	UJ	Surrogate recovery low.
Y5070	57 F 2-4RE	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	57 F 2-4RE	Isopropylbenzene	NC	R	Internal Standard extremely low.
Y5070	57 F 2-4RE	Methylcyclohexane	NC	UJ	Surrogate recovery low.
Y5070	57 F 2-4RE	Trichloroethene	NC	UJ	Surrogate recovery low.
Y5070	57 N 18-20	2,4-Dinitrophenol	NC	UJ	Cont. Cal. %D > +/- 25%
Y5070	57 N 18-20	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	57 N 18-20	Arsenic	NC	UJ	Serial dilution above QC limits.
Y5070	57 N 18-20	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	57 N 18-20	Cadmium	NC	UJ	Serial dilution above QC limits.
Y5070	57 N 18-20	Calcium	NC	J	Serial dilution above QC limits.
Y5070	57 N 18-20	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	57 N 18-20	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	57 N 18-20	Iron	NC	J	Serial dilution above QC limits.
Y5070	57 N 18-20	Lead	NC	J	Serial dilution above QC limits.
Y5070	57 N 18-20	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	57 N 18-20	Manganese	NC	J	Serial dilution above QC limits.
Y5070	57 N 18-20	Mercury	NC	J	Serial dilution above QC limits.
Y5070	57 N 18-20	Pentachlorophenol	NC	UJ	Cont. Cal. %D > +/- 20%
Y5070	57 N 18-20	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	57 N 18-20	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	57 N 18-20	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	57 N 18-20	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	57 N 18-20	Zinc	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6	Acetone	NC	UJ	Surrogate recovery high.
Y5070	57 N 4-6	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	57 N 4-6	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6	Calcium	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	57 N 4-6	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	57 N 4-6	Iron	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6	Lead	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6	Magnesium	NC	J	Serial dilution above QC limits.

Table 2
Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	57 N 4-6	Manganese	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6	Mercury	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	57 N 4-6	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	57 N 4-6	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	57 N 4-6	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	57 N 4-6	Zinc	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6 DL	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	57 N 4-6 DL	Arsenic	NC	UJ	Serial dilution above QC limits.
Y5070	57 N 4-6 DL	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6 DL	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6 DL	Calcium	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6 DL	Cobalt	NC	UJ	Matrix spike below QC criteria.
Y5070	57 N 4-6 DL	Iron	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6 DL	Lead	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6 DL	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6 DL	Manganese	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6 DL	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	57 N 4-6 DL	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	57 N 4-6 DL	Sodium	NC	UJ	Matrix spike below QC criteria.
Y5070	57 N 4-6 DL	Vanadium	NC	UJ	Matrix spike below QC criteria.
Y5070	57 N 4-6 DL	Zinc	NC	J	Serial dilution above QC limits.
Y5070	57 N 4-6RE	Acetone	NC	UJ	Surrogate recovery high.
Y5070	57 N 4-6RE	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	57 N 9-11	2,4-Dinitrophenol	NC	UJ	Cont. Cal. %D > +/- 25%
Y5070	57 N 9-11	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	57 N 9-11	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	57 N 9-11	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	57 N 9-11	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	57 N 9-11	Calcium	NC	J	Serial dilution above QC limits.
Y5070	57 N 9-11	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	57 N 9-11	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	57 N 9-11	Iron	NC	J	Serial dilution above QC limits.
Y5070	57 N 9-11	Lead	NC	J	Serial dilution above QC limits.
Y5070	57 N 9-11	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	57 N 9-11	Manganese	NC	J	Serial dilution above QC limits.

Table 2
Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	57 N 9-11	Mercury	NC	J	Serial dilution above QC limits.
Y5070	57 N 9-11	Mercury	0.01	U	Prep blank contamination.
Y5070	57 N 9-11	Pentachlorophenol	NC	UJ	Cont. Cal. %D > +/- 20%
Y5070	57 N 9-11	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	57 N 9-11	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	57 N 9-11	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	57 N 9-11	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	57 N 9-11	Zinc	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2	1,2-Dichloroethane	NC	R	Surrogate recovery below 10%.
Y5070	58 F 0-2	1,2-Dichloropropane	NC	R	Surrogate recovery below 10%.
Y5070	58 F 0-2	Antimony	NC	J	Matrix spike excessively below QC criteria.
Y5070	58 F 0-2	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2	Benzene	NC	R	Surrogate recovery below 10%.
Y5070	58 F 0-2	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2	Bromodichloromethane	NC	R	Surrogate recovery below 10%.
Y5070	58 F 0-2	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2	Calcium	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2	Carbon Tetrachloride	NC	R	Surrogate recovery below 10%.
Y5070	58 F 0-2	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	58 F 0-2	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	58 F 0-2	Iron	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2	Lead	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2	Manganese	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2	Mercury	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2	Methylcyclohexane	NC	R	Surrogate recovery below 10%.
Y5070	58 F 0-2	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	58 F 0-2	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	58 F 0-2	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	58 F 0-2	Trichloroethene	NC	R	Surrogate recovery below 10%.
Y5070	58 F 0-2	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	58 F 0-2	Zinc	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2	Acetone	NC	J	Surrogate recovery high.
Y5070	58 F 0-2 DL	2,4-Dinitrophenol	NC	UJ	Cont. Cal. %D > +/- 25%
Y5070	58 F 0-2 DL	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	58 F 0-2 DL	Arsenic	NC	UJ	Serial dilution above QC limits.

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Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	58 F 0-2 DL	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2 DL	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2 DL	Calcium	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2 DL	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	58 F 0-2 DL	Iron	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2 DL	Lead	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2 DL	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2 DL	Manganese	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2 DL	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	58 F 0-2 DL	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	58 F 0-2 DL	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	58 F 0-2 DL	Vanadium	NC	UJ	Matrix spike below QC criteria.
Y5070	58 F 0-2 DL	Zinc	NC	J	Serial dilution above QC limits.
Y5070	58 F 0-2RE	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	1,2,4-Trichlorobenzene	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	1,2-Dibromo-3-Chloroprpane	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	1,2-Dichlorobenzene	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	1,2-Dichloroethane	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	1,2-Dichloropropane	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	1,3-Dichlorobenzene	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	1,4-Dichlorobenzene	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	2-Butanone	NC	J	Surrogate recovery high.
Y5070	58 F 0-2RE	Acetone	NC	J	Surrogate recovery high.
Y5070	58 F 0-2RE	Benzene	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	Bromodichloromethane	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	Bromoform	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	Carbon Tetrachloride	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	Chlorobenzene	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	58 F 0-2RE	Ethylbenzene	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	Isopropylbenzene	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	M/P-Xylenes	NC	J	Surrogate recovery low.
Y5070	58 F 0-2RE	Methylcyclohexane	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	O-Xylenes	NC	J	Surrogate recovery low.
Y5070	58 F 0-2RE	Styrene	NC	UJ	Surrogate recovery low.
Y5070	58 F 0-2RE	Tetrachloroethene	NC	UJ	Surrogate recovery low.

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SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	58 F 0-2RE	Trichloroethene	NC	UJ	Surrogate recovery low.
Y5070	58 F 4-6	Antimony	NC	J	Matrix spike excessively below QC criteria.
Y5070	58 F 4-6	Arsenic	NC	UJ	Serial dilution above QC limits.
Y5070	58 F 4-6	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6	Calcium	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	58 F 4-6	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	58 F 4-6	Iron	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6	Lead	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6	Manganese	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6	Mercury	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	58 F 4-6	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	58 F 4-6	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	58 F 4-6	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	58 F 4-6	Zinc	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6 DL	2,4-Dinitrophenol	NC	UJ	Cont. Cal. %D > +/- 25%
Y5070	58 F 4-6 DL	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	58 F 4-6 DL	Arsenic	NC	UJ	Serial dilution above QC limits.
Y5070	58 F 4-6 DL	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6 DL	Cadmium	NC	UJ	Serial dilution above QC limits.
Y5070	58 F 4-6 DL	Calcium	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6 DL	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	58 F 4-6 DL	Iron	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6 DL	Lead	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6 DL	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6 DL	Manganese	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6 DL	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	58 F 4-6 DL	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	58 F 4-6 DL	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	58 F 4-6 DL	Vanadium	NC	UJ	Matrix spike below QC criteria.
Y5070	58 F 4-6 DL	Zinc	NC	J	Serial dilution above QC limits.
Y5070	58 F 4-6RE	1,1,2,2-Tetrachloroethane	NC	R	Internal Standard extremely low.
Y5070	58 F 4-6RE	1,2,4-Trichlorobenzene	NC	R	Internal Standard extremely low.

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SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	58 F 4-6RE	1,2-Dibromo-3-Chloroprpane	NC	R	Internal Standard extremely low.
Y5070	58 F 4-6RE	1,2-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	58 F 4-6RE	1,3-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	58 F 4-6RE	1,4-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	58 F 4-6RE	Bromoform	NC	R	Internal Standard extremely low.
Y5070	58 F 4-6RE	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	58 F 4-6RE	Isopropylbenzene	NC	R	Internal Standard extremely low.
Y5070	58 N 13-14	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	58 N 13-14	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14	Calcium	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	58 N 13-14	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	58 N 13-14	Iron	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14	Lead	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14	Manganese	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14	Mercury	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	58 N 13-14	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	58 N 13-14	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	58 N 13-14	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	58 N 13-14	Zinc	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14 DL	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	58 N 13-14 DL	Arsenic	NC	UJ	Serial dilution above QC limits.
Y5070	58 N 13-14 DL	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14 DL	Cadmium	NC	UJ	Serial dilution above QC limits.
Y5070	58 N 13-14 DL	Calcium	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14 DL	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	58 N 13-14 DL	Iron	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14 DL	Lead	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14 DL	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14 DL	Manganese	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14 DL	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	58 N 13-14 DL	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.

Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	58 N 13-14 DL	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	58 N 13-14 DL	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	58 N 13-14 DL	Zinc	NC	J	Serial dilution above QC limits.
Y5070	58 N 13-14RE	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	58.1 F 2-4	1,1,2,2-Tetrachloroethane	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4	1,2,4-Trichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4	1,2-Dibromo-3-Chloroprpane	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4	1,2-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4	1,2-Dichloroethane	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	1,2-Dichloropropane	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	1,3-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4	1,4-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	58.1 F 2-4	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	58.1 F 2-4	Benzene	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	58.1 F 2-4	Bromodichloromethane	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	Bromoform	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	58.1 F 2-4	Calcium	NC	J	Serial dilution above QC limits.
Y5070	58.1 F 2-4	Carbon Tetrachloride	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	Chlorobenzene	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	58.1 F 2-4	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	58.1 F 2-4	Ethylbenzene	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	Iron	NC	J	Serial dilution above QC limits.
Y5070	58.1 F 2-4	Isopropylbenzene	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4	Lead	NC	J	Serial dilution above QC limits.
Y5070	58.1 F 2-4	M/P-Xylenes	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	58.1 F 2-4	Manganese	NC	J	Serial dilution above QC limits.
Y5070	58.1 F 2-4	Mercury	NC	J	Serial dilution above QC limits.
Y5070	58.1 F 2-4	Methylcyclohexane	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	O-Xylenes	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	Selenium	NC	J	Matrix spike below QC criteria.
Y5070	58.1 F 2-4	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.

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Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	58.1 F 2-4	Sodium	NC	**J**	Matrix spike below QC criteria.
Y5070	58.1 F 2-4	Styrene	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	Tetrachloroethene	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	Trichloroethene	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4	Vanadium	NC	**J**	Matrix spike below QC criteria.
Y5070	58.1 F 2-4	Zinc	NC	**J**	Serial dilution above QC limits.
Y5070	58.1 F 2-4RE	1,1,2,2-Tetrachloroethane	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4RE	1,2,4-Trichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4RE	1,2-Dibromo-3-Chloroprpane	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4RE	1,2-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4RE	1,3-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4RE	1,4-Dichlorobenzene	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4RE	Acetone	NC	J	Surrogate recovery high.
Y5070	58.1 F 2-4RE	Bromoform	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4RE	Chlorobenzene	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4RE	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	58.1 F 2-4RE	Ethylbenzene	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4RE	Isopropylbenzene	NC	R	Internal Standard extremely low.
Y5070	58.1 F 2-4RE	M/P-Xylenes	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4RE	O-Xylenes	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4RE	Styrene	NC	UJ	Surrogate recovery low.
Y5070	58.1 F 2-4RE	Tetrachloroethene	NC	UJ	Surrogate recovery low.
Y5070	58.1 N 11-12	Acetone	NC	J	Surrogate recovery high.
Y5070	58.1 N 11-12	Antimony	NC	**R**	Matrix spike excessively below QC criteria.
Y5070	58.1 N 11-12	Arsenic	NC	**J**	Serial dilution above QC limits.
Y5070	58.1 N 11-12	Beryllium	NC	**J**	Serial dilution above QC limits.
Y5070	58.1 N 11-12	Cadmium	NC	**J**	Serial dilution above QC limits.
Y5070	58.1 N 11-12	Calcium	NC	**J**	Serial dilution above QC limits.
Y5070	58.1 N 11-12	Cobalt	NC	**J**	Matrix spike below QC criteria.
Y5070	58.1 N 11-12	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	58.1 N 11-12	Iron	NC	**J**	Serial dilution above QC limits.
Y5070	58.1 N 11-12	Lead	NC	**J**	Serial dilution above QC limits.
Y5070	58.1 N 11-12	Magnesium	NC	**J**	Serial dilution above QC limits.
Y5070	58.1 N 11-12	Manganese	NC	**J**	Serial dilution above QC limits.
Y5070	58.1 N 11-12	Mercury	NC	**J**	Serial dilution above QC limits.
Y5070	58.1 N 11-12	Selenium	NC	**UJ**	Matrix spike below QC criteria.

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	58.1 N 11-12	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	58.1 N 11-12	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	58.1 N 11-12	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	58.1 N 11-12	Zinc	NC	J	Serial dilution above QC limits.
Y5070	58.1 N 11-12 DL	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	58.1 N 11-12 DL	Arsenic	NC	UJ	Serial dilution above QC limits.
Y5070	58.1 N 11-12 DL	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	58.1 N 11-12 DL	Cadmium	NC	UJ	Serial dilution above QC limits.
Y5070	58.1 N 11-12 DL	Calcium	NC	J	Serial dilution above QC limits.
Y5070	58.1 N 11-12 DL	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	58.1 N 11-12 DL	Iron	NC	J	Serial dilution above QC limits.
Y5070	58.1 N 11-12 DL	Lead	NC	J	Serial dilution above QC limits.
Y5070	58.1 N 11-12 DL	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	58.1 N 11-12 DL	Manganese	NC	J	Serial dilution above QC limits.
Y5070	58.1 N 11-12 DL	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	58.1 N 11-12 DL	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	58.1 N 11-12 DL	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	58.1 N 11-12 DL	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	58.1 N 11-12 DL	Zinc	NC	J	Serial dilution above QC limits.
Y5070	58.1 N 11-12DL	2,4-Dinitrophenol	NC	UJ	Cont. Cal. %D > +/- 25%
Y5070	58.1 N 11-12RE	Acetone	NC	J	Surrogate recovery high.
Y5070	58.1 N 11-12RE	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	59 N 4-5	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	59 N 4-5	Arsenic	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5	Cadmium	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5	Calcium	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	59 N 4-5	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
Y5070	59 N 4-5	Iron	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5	Lead	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5	Manganese	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5	Mercury	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	59 N 4-5	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.

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Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	59 N 4-5	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	59 N 4-5	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	59 N 4-5	Zinc	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	59 N 4-5 DL	Arsenic	NC	UJ	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Beryllium	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Cadmium	NC	UJ	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Calcium	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	59 N 4-5 DL	Iron	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Lead	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Magnesium	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Manganese	NC	J	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Selenium	NC	UJ	Matrix spike below QC criteria.
Y5070	59 N 4-5 DL	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	59 N 4-5 DL	Sodium	NC	J	Matrix spike below QC criteria.
Y5070	59 N 4-5 DL	Vanadium	NC	J	Matrix spike below QC criteria.
Y5070	59 N 4-5 DL	Zinc	NC	J	Serial dilution above QC limits.
Y5790	MW-16	Beryllium	3	U	Prep. blank contamination
Y5790	MW-16	Calcium	NC	J	Serial dilution %D > 10%
Y5790	MW-16	Chloroethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-16	Dichlorodifluoromethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-16	Sodium	NC	J	Serial dilution %D > 10%
Y5790	MW-16	Trichlorofluoromethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-16	Zinc	NC	J	Negative prep. blank result
Y5790	MW-43	Beryllium	3	U	Prep. blank contamination
Y5790	MW-43	Calcium	NC	J	Serial dilution %D > 10%
Y5790	MW-43	Caprolactam	NC	J	LCS below QC limits.
Y5790	MW-43	Chloroethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-43	Dichlorodifluoromethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-43	Formaldehyde	NC	J	Samples analyzed after holding time expired
Y5790	MW-43	Trichlorofluoromethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-59	Beryllium	3	U	Prep. blank contamination
Y5790	MW-59	Calcium	NC	J	Serial dilution %D > 10%
Y5790	MW-59	Chloroethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-59	Dichlorodifluoromethane	NC	R	Continuing calibration deficiencies.

Table 2
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Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5790	MW-59	Sodium	NC	J	Serial dilution %D > 10%
Y5790	MW-59	Trichlorofluoromethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-59	Zinc	NC	J	Negative prep. blank result
Y5790	MW-59.1	Beryllium	3	U	Prep. blank contamination
Y5790	MW-59.1	Calcium	NC	J	Serial dilution %D > 10%
Y5790	MW-59.1	Caprolactam	NC	J	LCS below QC limits.
Y5790	MW-59.1	Chloroethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-59.1	Dichlorodifluoromethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-59.1	Sodium	NC	J	Serial dilution %D > 10%
Y5790	MW-59.1	Trichlorofluoromethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-59.1	Zinc	NC	J	Negative prep. blank result
Y5790	OW-10	Beryllium	3	U	Prep. blank contamination
Y5790	OW-10	Calcium	NC	J	Serial dilution %D > 10%
Y5790	OW-10	Caprolactam	NC	J	LCS below QC limits.
Y5790	OW-10	Chloroethane	NC	R	Continuing calibration deficiencies.
Y5790	OW-10	Dichlorodifluoromethane	NC	R	Continuing calibration deficiencies.
Y5790	OW-10	Formaldehyde	NC	J	Samples analyzed after holding time expired
Y5790	OW-10	Sodium	NC	J	Serial dilution %D > 10%
Y5790	OW-10	Trichlorofluoromethane	NC	R	Continuing calibration deficiencies.
Y5790	OW-10	Zinc	NC	J	Negative prep. blank result
Y5423	SC-2A	Carbon Disulfide	NC	UJ	LCS recovery below standard.
Y5423	SC-2A	Chloromethane	NC	UJ	LCS recovery below standard.
Y5423	SC-2A	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	SC-2A	Methylcyclohexane	NC	UJ	LCS recovery below standard.
Y5423	SC-2A	Vinyl Chloride	NC	UJ	LCS recovery below standard.
Y5423	SC-2ADL	2,4,5-Trichlorophenol	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL	2,4,6-Trichlorophenol	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL	2,4-Dinitrophenol	NC	JUD	Continuing Calibration > +/- 25%
Y5423	SC-2ADL	Carbon Disulfide	NC	UJ	LCS recovery below standard.
Y5423	SC-2ADL	Chloromethane	NC	UJ	LCS recovery below standard.
Y5423	SC-2ADL	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	SC-2ADL	Methylcyclohexane	NC	UJ	LCS recovery below standard.
Y5423	SC-2ADL	Vinyl Chloride	NC	UJ	LCS recovery below standard.
Y5423	SC-2ADL2	1,1-Biphenyl	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	2,4,5-Trichlorophenol	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	2,4,6-Trichlorophenol	NC	R	Surrogate Recovery <10%.

Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5423	SC-2ADL2	2,4-Dinitrophenol	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	2,4-Dinitrotoluene	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	2,6-Dinitrotoluene	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	2-Chloronaphthalene	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	2-Nitroanaline	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	3-Nitroanaline	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	4,6-Dinitro-2-methylphenol	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	4-Bromophenyl-phenylether	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	4-Chlorophenyl-phenylether	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	4-Nitroaniline	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	4-Nitrophenol	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Acenaphthene	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Acenaphthylene	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Anthracene	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Atrazine	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Bis(2-ethylhexyl)phthalate	NC	JD	Surrogate Recovery > 1000
Y5423	SC-2ADL2	Butylbenzylphthalate	NC	JD	Surrogate Recovery > 1000
Y5423	SC-2ADL2	Carbazole	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Dibenzofuran	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Diethylphthalate	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Dimethylphthalate	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Di-n-butylphthalate	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Fluorene	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Fluoroanthene	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Hexachlorobenzene	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	N-nitrosodiphenylamine	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Pentachlorophenol	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Phenanthrene	NC	R	Surrogate Recovery <10%.
Y5423	SC-2ADL2	Pyrene	NC	R	Surrogate Recovery <10%.
Y5423	SC-3	Chloromethane	NC	UJ	LCS recovery below standard.
Y5423	SC-3	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	SC-3ADL	2,4-Dinitrophenol	NC	JUD	Continuing Calibration > +/- 25%
Y5423	SC-3ADL2	2,4-Dinitrophenol	NC	JUD	Continuing Calibration > +/- 25%
Y5423	SC-3DL2	Di-n-butylphthalate	NC	JD	Surrogate Recovery high
Y5423	SC-4	1,2-Dichloroethane	NC	R	Surrogate Recovery < 10%
Y5423	SC-4	1,2-Dichloropropane	NC	R	Surrogate Recovery < 10%

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Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5423	SC-4	Benzene	NC	R	Surrogate Recovery < 10%
Y5423	SC-4	Bromodichloromethane	NC	R	Surrogate Recovery < 10%
Y5423	SC-4	Bromomethane	NC	UJ	Cont. Cal. %D > 25%
Y5423	SC-4	Carbon Tetrachloride	NC	R	Surrogate Recovery < 10%
Y5423	SC-4	Chloromethane	NC	UJ	LCS recovery below standard.
Y5423	SC-4	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	SC-4	TCLP silver	NC	UJ	Negative prep. blank result
Y5423	SC-4	Trichloroethene	NC	R	Surrogate Recovery < 10%
Y5423	SC-4ADL	2,4-Dinitrophenol	NC	JUD	Continuing Calibration > +/- 25%
Y5423	SC-4ADL2	2,4-Dinitrophenol	NC	JUD	Continuing Calibration > +/- 25%
Y5423	SC-4DL	Fluoranthene	NC	JD	Surrogate Recovery high
Y5423	SC-4DL2	2,4,5-Trichlorophenol	NC	R	Surrogate Recovery <10%.
Y5423	SC-4DL2	2,4,6-Trichlorophenol	NC	R	Surrogate Recovery <10%.
Y5423	SC-4RE	1,2-Dichloroethane	NC	R	Surrogate recovery < 10%
Y5423	SC-4RE	1,2-Dichloropropane	NC	R	Surrogate recovery < 10%
Y5423	SC-4RE	Acetone	NC	J	Surrogate recovery > 125%.
Y5423	SC-4RE	Benzene	NC	R	Surrogate recovery < 10%
Y5423	SC-4RE	Bromodichloromethane	NC	R	Surrogate recovery < 10%
Y5423	SC-4RE	Carbon Tetrachloride	NC	R	Surrogate recovery < 10%
Y5423	SC-4RE	Chloromethane	NC	UJ	LCS recovery below standard.
Y5423	SC-4RE	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	SC-4RE	Toluene	NC	J	Surrogate recovery > 125%.
Y5423	SC-4RE	Trichloroethene	NC	R	Surrogate recovery < 10%
Y3704	SP-09	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	SP-09	Barium	NC	J	Serial dilution %D > 10%
Y3704	SP-09	Calcium	NC	J	Serial dilution %D > 10%
Y3704	SP-09	Chloroethane	NC	UJ	IC %RSD and CC %D high
Y3704	SP-09	Chromium	NC	J	Serial dilution %D > 10%
Y3704	SP-09	Iron	NC	J	Serial dilution %D > 10%
Y3704	SP-09	Lead	NC	J	Serial dilution %D > 10%
Y3704	SP-09	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	SP-09	Manganese	NC	J	Serial dilution %D > 10%
Y3704	SP-09	Methylene Chloride	NC	J	Method blank contamination.
Y3704	SP-09	Nickel	NC	J	Serial dilution %D > 10%
Y3704	SP-09	Potassium	NC	J	Serial dilution %D > 10%
Y3704	SP-09	Vanadium	NC	J	Serial dilution %D > 10%

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Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y3704	SP-09	Zinc	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Barium	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Calcium	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Chloroethane	NC	UJ	IC %RSD and CC %D high
Y3704	SP-09 DUP	Chromium	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Iron	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Lead	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Manganese	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Nickel	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Potassium	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Trichlorofluoromethane	NC	UJ	IC %RSD and CC %D high
Y3704	SP-09 DUP	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	SP-09 DUP	Zinc	NC	J	Serial dilution %D > 10%
Y3704	SP-10	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	SP-10	Barium	NC	J	Serial dilution %D > 10%
Y3704	SP-10	bis(2-ethylhexyl)phthalate	400	U	Rinsate blank contamination.
Y3704	SP-10	Calcium	NC	J	Serial dilution %D > 10%
Y3704	SP-10	Chloroethane	NC	UJ	IC %RSD and CC %D high
Y3704	SP-10	Chromium	NC	J	Serial dilution %D > 10%
Y3704	SP-10	Ethanol	NC	R	Improper Calibration
Y3704	SP-10	Iron	NC	J	Serial dilution %D > 10%
Y3704	SP-10	Lead	NC	J	Serial dilution %D > 10%
Y3704	SP-10	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	SP-10	Manganese	NC	J	Serial dilution %D > 10%
Y3704	SP-10	Methanol	NC	R	Improper Calibration
Y3704	SP-10	Nickel	NC	J	Serial dilution %D > 10%
Y3704	SP-10	Potassium	NC	J	Serial dilution %D > 10%
Y3704	SP-10	Trichlorofluoromethane	NC	UJ	IC %RSD and CC %D high
Y3704	SP-10	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	SP-10	Zinc	NC	J	Serial dilution %D > 10%
Y3704	SP-11	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	SP-11	Barium	NC	J	Serial dilution %D > 10%
Y3704	SP-11	bis(2-ethylhexyl)phthalate	400	U	Rinsate blank contamination.
Y3704	SP-11	Calcium	NC	J	Serial dilution %D > 10%

Table 2
Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y3704	SP-11	Chloroethane	NC	UJ	IC %RSD and CC %D high
Y3704	SP-11	Chromium	NC	J	Serial dilution %D > 10%
Y3704	SP-11	Iron	NC	J	Serial dilution %D > 10%
Y3704	SP-11	Lead	NC	J	Serial dilution %D > 10%
Y3704	SP-11	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	SP-11	Manganese	NC	J	Serial dilution %D > 10%
Y3704	SP-11	Nickel	NC	J	Serial dilution %D > 10%
Y3704	SP-11	Potassium	NC	J	Serial dilution %D > 10%
Y3704	SP-11	Trichlorofluoromethane	NC	UJ	IC %RSD and CC %D high
Y3704	SP-11	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	SP-11	Zinc	NC	J	Serial dilution %D > 10%
Y3704	SP-21	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	SP-21	Barium	NC	J	Serial dilution %D > 10%
Y3704	SP-21	Calcium	NC	J	Serial dilution %D > 10%
Y3704	SP-21	Chloroethane	NC	UJ	IC %RSD and CC %D high
Y3704	SP-21	Chromium	NC	J	Serial dilution %D > 10%
Y3704	SP-21	Lead	NC	J	Serial dilution %D > 10%
Y3704	SP-21	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	SP-21	Manganese	NC	J	Serial dilution %D > 10%
Y3704	SP-21	Nickel	NC	J	Serial dilution %D > 10%
Y3704	SP-21	Potassium	NC	J	Serial dilution %D > 10%
Y3704	SP-21	Trichlorofluoromethane	NC	UJ	IC %RSD and CC %D high
Y3704	SP-21	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	SP-21DL	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	SP-21DL	Barium	NC	J	Serial dilution %D > 10%
Y3704	SP-21DL	Calcium	NC	J	Serial dilution %D > 10%
Y3704	SP-21DL	Chromium	NC	J	Serial dilution %D > 10%
Y3704	SP-21DL	Iron	NC	J	Serial dilution %D > 10%
Y3704	SP-21DL	Lead	NC	J	Serial dilution %D > 10%
Y3704	SP-21DL	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	SP-21DL	Manganese	NC	J	Serial dilution %D > 10%
Y3704	SP-21DL	Nickel	NC	J	Serial dilution %D > 10%
Y3704	SP-21DL	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	SP-21DL	Zinc	NC	J	Serial dilution %D > 10%
Y3704	SP-21RE	Aroclor 1260	-	J	CCV %D > 25%.
Y3704	SP-22	Aluminum	NC	J	Serial dilution %D > 10%

Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y3704	SP-22	Barium	NC	J	Serial dilution %D > 10%
Y3704	SP-22	Benzo(a)pyrene	NC	J	Internal standard area count is low.
Y3704	SP-22	Benzo(b)fluoranthene	NC	J	Internal standard area count is low.
Y3704	SP-22	Benzo(g,h,i)perylene	NC	J	Internal standard area count is low.
Y3704	SP-22	Benzo(k)fluoranthene	NC	J	Internal standard area count is low.
Y3704	SP-22	Calcium	NC	J	Serial dilution %D > 10%
Y3704	SP-22	Chloroethane	NC	UJ	IC %RSD and CC %D high
Y3704	SP-22	Chromium	NC	J	Serial dilution %D > 10%
Y3704	SP-22	Dibenz(a,h)anthracene	NC	UJ	Internal standard area count is low.
Y3704	SP-22	Ideno(1,2,3-cd)pyrene	NC	J	Internal standard area count is low.
Y3704	SP-22	Iron	NC	J	Serial dilution %D > 10%
Y3704	SP-22	Lead	NC	J	Serial dilution %D > 10%
Y3704	SP-22	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	SP-22	Manganese	NC	J	Serial dilution %D > 10%
Y3704	SP-22	Nickel	NC	J	Serial dilution %D > 10%
Y3704	SP-22	Potassium	NC	J	Serial dilution %D > 10%
Y3704	SP-22	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	SP-22	Zinc	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Barium	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Calcium	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Chromium	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Iron	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Lead	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Manganese	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Nickel	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Potassium	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	SP-22DL	Zinc	NC	J	Serial dilution %D > 10%
Y3704	SP-22RE	Aroclor 1260	-	J	CCV %D > 25%.
Y5423	TP17.1 5-6 F	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	1,2,4-Trichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	1,2-Dibromo-3-Chloropropane	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	1,2-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	1,3-Dichlorobenzene	NC	UJ	Surrogate Recovery Low

Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5423	TP17.1 5-6 F	1,4-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	Bromoform	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	Chlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	Chloromethane	NC	UJ	LCS recovery below standard.
Y5423	TP17.1 5-6 F	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP17.1 5-6 F	Ethyl Benzene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	Isopropylbenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	m/p-Xylenes	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	Mercury	0.2	U	Initial calibration blank contamination.
Y5423	TP17.1 5-6 F	o-Xylene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	Styrene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 F	Tetrachloroethene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	1,1,2,2-Tetrachloroethane	NC	R	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	1,2,4-Trichlorobenzene	NC	R	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	1,2-Dibromo-3-Chloropropane	NC	R	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	1,2-Dichlorobenzene	NC	R	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	1,3-Dichlorobenzene	NC	R	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	1,4-Dichlorobenzene	NC	R	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	Bromoform	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	Chlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	Chloromethane	NC	UJ	LCS recovery below standard.
Y5423	TP17.1 5-6 FRE	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP17.1 5-6 FRE	Ethyl Benzene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	Isopropylbenzene	NC	R	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	m/p-Xylenes	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	o-Xylene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	Styrene	NC	UJ	Surrogate Recovery Low
Y5423	TP17.1 5-6 FRE	Tetrachloroethene	NC	J	Surrogate Recovery Low
Y3704	TP-27	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	TP-27	Barium	NC	J	Serial dilution %D > 10%
Y3704	TP-27	Calcium	NC	J	Serial dilution %D > 10%
Y3704	TP-27	Chloroethane	NC	UJ	IC %RSD and CC %D high
Y3704	TP-27	Chromium	NC	J	Serial dilution %D > 10%
Y3704	TP-27	Heptachlor	-	J	%D between columns > 25%.
Y3704	TP-27	Iron	NC	J	Serial dilution %D > 10%
Y3704	TP-27	Lead	NC	J	Serial dilution %D > 10%

Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y3704	TP-27	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	TP-27	Manganese	NC	J	Serial dilution %D > 10%
Y3704	TP-27	Nickel	NC	J	Serial dilution %D > 10%
Y3704	TP-27	Potassium	NC	J	Serial dilution %D > 10%
Y3704	TP-27	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	TP-27	Zinc	NC	J	Serial dilution %D > 10%
Y3704	TP-27DL	4,4'-DDE	-	J	CCV %D > 25%.
Y3704	TP-28	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	TP-28	Barium	NC	J	Serial dilution %D > 10%
Y3704	TP-28	Benzo(a)pyrene	NC	J	Internal standard area count is low.
Y3704	TP-28	Benzo(b)fluoranthene	NC	J	Internal standard area count is low.
Y3704	TP-28	Benzo(g,h,i)perylene	NC	UJ	Internal standard area count is low.
Y3704	TP-28	Benzo(k)fluoranthene	NC	UJ	Internal standard area count is low.
Y3704	TP-28	bis(2-ethylhexyl)phthalate	410	U	Rinsate blank contamination.
Y3704	TP-28	Calcium	NC	J	Serial dilution %D > 10%
Y3704	TP-28	Chloroethane	NC	UJ	IC %RSD and CC %D high
Y3704	TP-28	Chromium	NC	J	Serial dilution %D > 10%
Y3704	TP-28	Dibenz(a,h)anthracene	NC	UJ	Internal standard area count is low.
Y3704	TP-28	Ethanol	NC	R	Improper Calibration
Y3704	TP-28	Ideno(1,2,3-cd)pyrene	NC	UJ	Internal standard area count is low.
Y3704	TP-28	Iron	NC	J	Serial dilution %D > 10%
Y3704	TP-28	Lead	NC	J	Serial dilution %D > 10%
Y3704	TP-28	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	TP-28	Manganese	NC	J	Serial dilution %D > 10%
Y3704	TP-28	Methanol	NC	R	Improper Calibration
Y3704	TP-28	Nickel	NC	J	Serial dilution %D > 10%
Y3704	TP-28	Potassium	NC	J	Serial dilution %D > 10%
Y3704	TP-28	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	TP-28	Zinc	NC	J	Serial dilution %D > 10%
Y3704	TP-28DL	bis(2-ethylhexyl)phthalate	2000	U	Rinsate blank contamination.
Y3704	TP-29	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	TP-29	Barium	NC	J	Serial dilution %D > 10%
Y3704	TP-29	Calcium	NC	J	Serial dilution %D > 10%
Y3704	TP-29	Chloroethane	NC	UJ	IC %RSD and CC %D high
Y3704	TP-29	Chromium	NC	J	Serial dilution %D > 10%
Y3704	TP-29	Ethanol	NC	R	Improper Calibration

Table 2
Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y3704	TP-29	Iron	NC	J	Serial dilution %D > 10%
Y3704	TP-29	Lead	NC	J	Serial dilution %D > 10%
Y3704	TP-29	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	TP-29	Manganese	NC	J	Serial dilution %D > 10%
Y3704	TP-29	Methanol	NC	R	Improper Calibration
Y3704	TP-29	Nickel	NC	J	Serial dilution %D > 10%
Y3704	TP-29	Potassium	NC	J	Serial dilution %D > 10%
Y3704	TP-29	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	TP-29	Zinc	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Barium	NC	J	Serial dilution %D > 10%
Y3704	TP-30	bis(2-ethylhexyl)phthalate	430	U	Rinsate blank contamination.
Y3704	TP-30	Calcium	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Chromium	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Cyanide	NC	R	Negative instrument response <-CRQL
Y3704	TP-30	Ethanol	NC	R	Improper Calibration
Y3704	TP-30	Iron	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Lead	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Manganese	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Methanol	NC	R	Improper Calibration
Y3704	TP-30	Nickel	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Potassium	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Zinc	NC	J	Serial dilution %D > 10%
Y3704	TP-30	Chloroethane	NC	UJ	IC %RSD and CC %D high
Y5423	TP6 2-3 N	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP6 2-3 N	Mercury	0.2	U	Initial calibration blank contamination.
Y3704	TP-65	1,1,1Trichloroethane	NC	R	Internal Standard < 25%
Y3704	TP-65	1,1,2,2-Tetrachloroethane	NC	R	Internal Standard < 25%
Y3704	TP-65	1,1,2-Trichloroethane	NC	R	Internal Standard < 25%
Y3704	TP-65	1,1,2-Trichlorotrifluoroethane	NC	UJ	Surrogate recovery low.
Y3704	TP-65	1,1-Dichloroethane	NC	UJ	Surrogate recovery low.
Y3704	TP-65	1,1-Dichloroethene	NC	UJ	Surrogate recovery low.
Y3704	TP-65	1,2,4-Trichlorobenzene	NC	R	Internal Standard < 25%
Y3704	TP-65	1,2-Dibromo-3-Chloropropane	NC	R	Internal Standard < 25%

Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y3704	TP-65	1,2-Dibromomethane	NC	R	Internal Standard < 25%
Y3704	TP-65	1,2-Dichloroethane	NC	R	Internal Standard < 25%
Y3704	TP-65	1,2-Dichloropropane	NC	R	Internal Standard < 25%
Y3704	TP-65	1,3-Dichlorobenzene	NC	R	Internal Standard < 25%
Y3704	TP-65	1,4-Dichlorobenzene	NC	R	Internal Standard < 25%
Y3704	TP-65	1.2-Dichlorobenzene	NC	R	Internal Standard < 25%
Y3704	TP-65	2-Butanone	NC	UJ	Surrogate recovery low.
Y3704	TP-65	2-Hexanone	NC	R	Internal Standard < 25%
Y3704	TP-65	4-Methyl-2-Pentanone	NC	R	Internal Standard < 25%
Y3704	TP-65	Acetone	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	TP-65	Barium	NC	J	Serial dilution %D > 10%
Y3704	TP-65	Benzene	NC	R	Internal Standard < 25%
Y3704	TP-65	bis(2-ethylhexyl)phthalate	2000	U	Rinsate blank contamination.
Y3704	TP-65	Bromodichloromethane	NC	R	Internal Standard < 25%
Y3704	TP-65	Bromoform	NC	R	Internal Standard < 25%
Y3704	TP-65	Bromomethane	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Calcium	NC	J	Serial dilution %D > 10%
Y3704	TP-65	Carbon disulfide	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Carbon Tetrachloride	NC	R	Internal Standard < 25%
Y3704	TP-65	Chlorobenzene	NC	R	Internal Standard < 25%
Y3704	TP-65	Chloroethane	NC	UJ	IC %RSD and CC %D high
Y3704	TP-65	Chloroethane	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Chloroform	NC	R	Internal Standard < 25%
Y3704	TP-65	Chloromethane	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Chromium	NC	J	Serial dilution %D > 10%
Y3704	TP-65	Cis-1,2-Dichloroethane	NC	R	Internal Standard < 25%
Y3704	TP-65	Cis-1,2-Dichloropropene	NC	R	Internal Standard < 25%
Y3704	TP-65	Cyclohexane	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Dibromochloromethane	NC	R	Internal Standard < 25%
Y3704	TP-65	Dichlorodifluoromethane	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Ethyl Benzene	NC	R	Internal Standard < 25%
Y3704	TP-65	Iron	NC	J	Serial dilution %D > 10%
Y3704	TP-65	Isopropylbenzene	NC	R	Internal Standard < 25%
Y3704	TP-65	Lead	NC	J	Serial dilution %D > 10%
Y3704	TP-65	m/p-Xylenes	NC	R	Internal Standard < 25%

Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y3704	TP-65	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	TP-65	Manganese	NC	J	Serial dilution %D > 10%
Y3704	TP-65	Methyl Acetate	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Methyl tert-butyl ether	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Methylcyclohexane	NC	R	Internal Standard < 25%
Y3704	TP-65	Methylene Chloride	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Nickel	NC	J	Serial dilution %D > 10%
Y3704	TP-65	o-Xylene	NC	R	Internal Standard < 25%
Y3704	TP-65	Potassium	NC	J	Serial dilution %D > 10%
Y3704	TP-65	Styrene	NC	R	Internal Standard < 25%
Y3704	TP-65	t-1,2-Dichloropropene	NC	R	Internal Standard < 25%
Y3704	TP-65	Tetrachloroethene	NC	R	Internal Standard < 25%
Y3704	TP-65	Toluene	NC	R	Internal Standard < 25%
Y3704	TP-65	trans-1,2-dichloroethene	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Trichloroethene	NC	R	Internal Standard < 25%
Y3704	TP-65	Trichlorofluoromethane	NC	UJ	Surrogate recovery low.
Y3704	TP-65	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	TP-65	Vinyl Chloride	NC	UJ	Surrogate recovery low.
Y3704	TP-65 RE	1,1,2,2-Tetrachloroethane	NC	UJ	Internal Standard <50%
Y3704	TP-65 RE	1,2,4-Trichlorobenzene	NC	UJ	Internal Standard <50%
Y3704	TP-65 RE	1,2-Dibromo-3-chloropropane	NC	UJ	Internal Standard <50%
Y3704	TP-65 RE	1,2-Dichlorobenzene	NC	UJ	Internal Standard <50%
Y3704	TP-65 RE	1,3-Dichlorobenzene	NC	UJ	Internal Standard <50%
Y3704	TP-65 RE	1,4-Dichlorobenzene	NC	UJ	Internal Standard <50%
Y3704	TP-65 RE	Bromoform	NC	UJ	Surrogate recovery low.
Y3704	TP-65 RE	Chlorobenzene	NC	UJ	Surrogate recovery low.
Y3704	TP-65 RE	Ethyl Benzene	NC	UJ	Surrogate recovery low.
Y3704	TP-65 RE	Isopropyl benzene	NC	UJ	Internal Standard <50%
Y3704	TP-65 RE	m/p-Xylenes	NC	UJ	Surrogate recovery low.
Y3704	TP-65 RE	o-Xylene	NC	UJ	Surrogate recovery low.
Y3704	TP-65 RE	Styrene	NC	UJ	Surrogate recovery low.
Y3704	TP-65 RE	Tetrachloroethene	NC	UJ	Surrogate recovery low.
Y3704	TP-65DL	Aluminum	NC	J	Serial dilution %D > 10%
Y3704	TP-65DL	Barium	NC	J	Serial dilution %D > 10%
Y3704	TP-65DL	Calcium	NC	J	Serial dilution %D > 10%
Y3704	TP-65DL	Chromium	NC	J	Serial dilution %D > 10%

Table 2
Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y3704	TP-65DL	Iron	NC	J	Serial dilution %D > 10%
Y3704	TP-65DL	Lead	NC	J	Serial dilution %D > 10%
Y3704	TP-65DL	Magnesium	NC	J	Serial dilution %D > 10%
Y3704	TP-65DL	Manganese	NC	J	Serial dilution %D > 10%
Y3704	TP-65DL	Nickel	NC	J	Serial dilution %D > 10%
Y3704	TP-65DL	Vanadium	NC	J	Serial dilution %D > 10%
Y3704	TP-65DL	Zinc	NC	J	Serial dilution %D > 10%
Y5423	TP7 1.0-1.5 F	Bromoform	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 F	Chlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 F	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP7 1.0-1.5 F	Ethyl Benzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 F	m/p-Xylenes	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 F	Mercury	0.2	U	Initial calibration blank contamination.
Y5423	TP7 1.0-1.5 F	o-Xylene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 F	Styrene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 F	Tetrachloroethene	NC	J	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FDL	2,4-Dinitrophenol	NC	JUD	Continuing Calibration > +/- 25%
Y5423	TP7 1.0-1.5 FRE	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	1,2,4-Trichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	1,2,4-Trichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	1,2-Dibromo-3-Chloropropane	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	1,2-Dibromo-3-Chloropropane	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	1,2-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	1,2-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	1,3-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	1,3-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	1,4-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	1,4-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	Chloromethane	NC	UJ	LCS recovery below standard.
Y5423	TP7 1.0-1.5 FRE	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP7 1.0-1.5 FRE	Isopropylbenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 1.0-1.5 FRE	Isopropylbenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP7 2-3 N	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP7 2-3 N	Mercury	0.2	U	Initial calibration blank contamination.
Y5423	TP8 1-2 F	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate Recovery Low

Table 2
Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5423	TP8 1-2 F	1,2,4-Trichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	1,2-Dibromo-3-Chloropropane	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	1,2-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	1,2-Dichloroethane	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	1,2-Dichloropropane	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	1,3-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	1,4-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	2-Butanone	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	Benzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	Bromodichloromethane	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	Bromoform	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	Chlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP8 1-2 F	Ethyl Benzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	Isopropylbenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	m/p-Xylenes	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	Mercury	0.2	U	Initial calibration blank contamination.
Y5423	TP8 1-2 F	o-Xylene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	Styrene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 F	Tetrachloroethene	NC	J	Surrogate Recovery Low
Y5423	TP8 1-2 F	Trichloroethene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	1,2,4-Trichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	1,2-Dibromo-3-Chloropropane	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	1,2-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	1,3-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	1,4-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	Bromoform	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	Chlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	Chloromethane	NC	UJ	LCS recovery below standard.
Y5423	TP8 1-2 FRE	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP8 1-2 FRE	Ethyl Benzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	Isopropylbenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	m/p-Xylenes	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	o-Xylene	NC	UJ	Surrogate Recovery Low
Y5423	TP8 1-2 FRE	Styrene	NC	UJ	Surrogate Recovery Low

Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5423	TP8 1-2 FRE	Tetrachloroethene	NC	J	Surrogate Recovery Low
Y5423	TP8 2-3 N	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP8 2-3 N	Mercury	0.2	U	Initial calibration blank contamination.
Y5423	TP8 2-3 N	2,4-Dinitrophenol	NC	UJ	Continuing Calibration > +/- 25%
Y5423	TP84 1-2 F	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,2,4-Trichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,2,4-Trichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,2-Dibromo-3-Chloropropane	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,2-Dibromo-3-Chloropropane	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,2-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,2-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,3-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,3-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,4-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,4-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP84 1-2 F	Di-n-butylphthalate	NC	J	RPDduplicate precision > 100%
Y5423	TP84 1-2 F	Isopropylbenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	Isopropylbenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F	Mercury	0.2	U	Initial calibration blank contamination.
Y5423	TP84 1-2 F	Methylene Chloride	NC	UJ	Field duplicate precision.
Y5423	TP84 1-2 F DUP	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUP	1,2,4-Trichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUP	1,2-Dibromo-3-Chloropropane	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUP	1,2-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUP	1,3-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUP	1,4-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUP	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP84 1-2 F DUP	Isopropylbenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUP	Methylene Chloride	NC	J	Field duplicate precision.
Y5423	TP84 1-2 F DUPRE	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUPRE	1,2,4-Trichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUPRE	1,2-Dibromo-3-Chloropropane	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUPRE	1,2-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUPRE	1,3-Dichlorobenzene	NC	UJ	Surrogate Recovery Low

Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5423	TP84 1-2 F DUPRE	1,4-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUPRE	Isopropylbenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	Bromoform	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	Chlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	Di-n-butylphthalate	NC	J	RPDduplicate precision > 100%
Y5423	TP84 1-2 FDUP	Ethyl Benzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	m/p-Xylenes	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	o-Xylene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	Styrene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	Tetrachloroethene	NC	J	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	Bromoform	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	Chlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	Chloromethane	NC	UJ	LCS recovery below standard.
Y5423	TP84 1-2 FDUPRE	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP84 1-2 FDUPRE	Ethyl Benzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	m/p-Xylenes	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	o-Xylene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	Styrene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	Tetrachloroethene	NC	J	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,2,4-Trichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,2-Dibromo-3-Chloropropane	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,2-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,3-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,4-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Bromoform	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Chlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Chloromethane	NC	UJ	LCS recovery below standard.
Y5423	TP84 1-2 FRE	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP84 1-2 FRE	Ethyl Benzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Isopropylbenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	m/p-Xylenes	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	o-Xylene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Styrene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Tetrachloroethene	NC	J	Surrogate Recovery Low
Y5423	TP84 2-3 N	Chloromethane	NC	UJ	LCS recovery below standard.

Table 2
Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5423	TP84 2-3 N	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP84 2-3 N	Mercury	0.2	U	Initial calibration blank contamination.
Y5423	TP9 2-3 N	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
Y5423	TP9 2-3 N	Mercury	0.2	U	Initial calibration blank contamination.
Y5423	TP9 2-3 N	Tetrachloroethene	NC	J	LCS recovery above standard.
Y5423	TP9 2-3 N	2,4-Dinitrophenol	NC	UJ	Continuing Calibration > +/- 25%

Notes:

% D: Percent Difference

%R: Percent Recovery

CC: Continuing Calibration

Cont. Cal: Continuing Calibration

CRQL: Contract Required Quantitation Limit

D: Dilution value

IC: Initial Calibration

IS: Internal Standard

J: Estimated Value.

LCS: Laboratory Control Sample

MDL: Method Detection Limit

MS/MSD: Matrix Spike/Matrix Spike Duplicate

NC: No Change

Prep: Preparation

QC: Quality Control

R: Rejected.

RL: Reporting Limit

RPD: Relative Percent Difference

RRF: Relative Response Factor

RSD: Relative Standard Deviation

SDG: Sample Delivery Group

U: Not detected above MDL.

UJ: Reporting limit estimated.