ATTACHMENT 4 Well Development and Purge Logs

LiRo Engineers

MW-16 SPAULDING Well Number: Project Title:

FIGRE Date: Site Name:

MIKE BRUE Staff:

A) Total casing and screen length in feet. (9272)	Well ID 1"	Volume (gal/ft) 0.04
B) Water level below top of casing in feet.	2" ·	0.17
C) Number of feet standing water [A-B].	3"	0.38
D) Volume of water/foot of casing (gal.).	4"	0.66
E) Volume of water in casing (gal.) [CxD]. 2.3	5"	1.04
F) Volume of water to remove (gal.) [Ex5].	6"	1.50
G) Volume of water actually removed (gal.).	8"	2.60

 $V = .0408 x (casing diameter)^2$

Parameters pН Spec Cond (us) Temp. (°C) Appearance

	Accumulated Volume Purged in Gallons						
5	10	172					
6:75	7.07						
3152	2992						
10°	lo						
CLOUDY	TRANS	PA(ZUW)					
BROWN	TAN						

Comments:

LiRo Engineers

Project Title: SPAULDING Well Number: Site Name: FIBRES Date:	MW-43
Staff: MIKE BYRNEY TASON COLVIN	11/29/07
A) Total casing and screen length in feet. (3,6	Well ID Volume (gal/ft) 1" 0.04
B) Water level below top of casing in feet. 8,7	2" (0.17)
C) Number of feet standing water [A-B].	3" 0.38
D) Volume of water/foot of casing (gal.).	4" 0.66
E) Volume of water in casing (gal.) [CxD]. 6.918	5" 1.04
F) Volume of water to remove (gal.) [Ex5]. 458	6" 1.50
G) Volume of water actually removed (gal.).	8" 2.60
	$V = .0408 \text{ x (casing diameter)}^2$
Accumulated Volume Purged in Ga Parameters pH Spec Cond (us) Temp. (°C) Appearance Accumulated Volume Purged in Ga 7.0 5.0 6.0 8.0 7.29 7.39 7.38 7.42 2085 7.60 7.53 7.05 9.5 8.7 9.8 8.9 THICK CUENC CUENC BLOWN BLOWN BLOWN BLOWN BLOWN BLOWN	Ilons

LiRo Engineers

Project Title: Well Number:

SPAULDING FIBRE MIKE BYRNE MW-59 Site Name: Date:

Staff:

A) Total casing and screen length in feet.	Well ID 1"	Volume (gal/ft) 0.04
B) Water level below top of casing in feet.	2"	0.17
C) Number of feet standing water [A-B].	3"	0.38
D) Volume of water/foot of casing (gal.).	4"	0.66
E) Volume of water in casing (gal.) [CxD].	5"	1.04
F) Volume of water to remove (gal.) [Ex5]. 578	6"	1.50
G) Volume of water actually removed (gal.).	8"	2.60

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

Accumulated Volume Purged in Gallons Parameters 7.05 Spec Cond (us) 2765 2895 Temp. (°C) BROWN SAMB Appearance

LiRo Engineers

Project Title: SPAUDING

Well Number:

MW-59.1

Site Name:

FIBRE

Date:

11/27/07

Staff:

MIKE BYRNE

A) Total casing and screen length in feet.

10.82

Well ID Volume (gal/ft)
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].

807

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

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

Parameters pH

Spec Cond (us)
Temp. (°C)

Appearance

	Accumulated Volume Purged in Gallons						
3	7						
6.65	674	,					
2765	2816						
110	110						-
BROWN	CLEAR	_					

LiRo Engineers

Project Title: SPAULD (NG)
FIBRES

Site Name:

Well Number:

OW-

12/19/07

Staff: MBYRNE

A) Total casing and screen length in feet.

22.10

Well ID Volume (gal/ft) 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

0.38

D) Volume of water/foot of casing (gal.).

0.17

0.66

E) Volume of water in casing (gal.) [CxD].

298

1.04

F) Volume of water to remove (gal.) [Ex3].

8.90

1.50

G) Volume of water actually removed (gal.).

5,0

2.60

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

Parameters pН Spec Cond (us) Temp. (°C) Appearance

Accumulated Volume Purged in Gallons						
5						
9.81						
12.80						
9.4						
CLUNS _						
BLAGE TIN	ļ					

LiRo Engineers

12/19/07 Project Title: SPAULDING
Site Name: FIBRE Well Number: Date: Staff: M. BYRNS Well ID Volume (gal/ft) 22.10 0.04 A) Total casing and screen length in feet. 4.34 0.17 B) Water level below top of casing in feet. 17,76 C) Number of feet standing water [A-B]. 0.38 0,07 D) Volume of water/foot of casing (gal.). 0.66 3.01 E) Volume of water in casing (gal.) [CxD]. 1.04 9.06 1.50 F) Volume of water to remove (gal.) [Ex3]. 5.0

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

2.60

Parameters Spec Cond (us) Temp. (°C) Appearance

G) Volume of water actually removed (gal.).

Accumulated Volume Purged in Gallons							
5							
7.73							
590							
8.8							
BROWT	2	_					
TICAMS	140	m					

LiRo Engineers

Project Title: SPAULOUG Well Number: OW

Site Name: [2] BNF

Date: (2/19/07)

Staff: M. BYRNS

Well ID Volume (gal/ft) 22.60 0.04 A) Total casing and screen length in feet. 5.66 2" 0.17 B) Water level below top of casing in feet. 16,94 0.38 C) Number of feet standing water [A-B]. 0.17 D) Volume of water/foot of casing (gal.). 0.66 2,88 1.04 E) Volume of water in casing (gal.) [CxD]. 8,60 1.50 F) Volume of water to remove (gal.) [Ex3].

9.0

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

2.60

Parameters
pH
Spec Cond (us)
Temp. (°C)
Appearance

G) Volume of water actually removed (gal.).

	Accumulated Volume Purged in Gallons						
5	9						
791	7.95						
974	1004						
10.0	98						
CLUM	2 w/						
BLACK	SHO						

LiRo Engineers

Project Title:

SPAULDING

Well Number:

OW-4

Site Name:

RBRB

12/18/07

2"

Staff: MIKE BYRNE

A) Total	casing an	d screen le	enoth in	feet.

22.17

Well ID Volume (gal/ft) 1" 0.04

B) Water level below top of casing in feet.

5.86

0.17

C) Number of feet standing water [A-B].

16.31

0.38

D) Volume of water/foot of casing (gal.).

0.17

0.66

E) Volume of water in casing (gal.) [CxD].

2.77

1.04

F) Volume of water to remove (gal.) [Ex3].

930

1.50

G) Volume of water actually removed (gal.).

5

2.60

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

Parameters pН Spec Cond (us) Temp. (°C) Appearance

Accumulated Volume Purged in Gallons						
5						
9.19						
1150						
119						
CURP W/						
BLACK-SOO!				•		

LiRo Engineers

Project Title: SPAJLAING Well Number: OW-6
Site Name: 1218/07
Staff: MIG BYRJB

A) Total casing and screen length in feet.	22.10	Well ID 1"	Volume (gal/ft) 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].	259	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

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

Parameters pН Spec Cond (us) Temp. (°C) Appearance

Accumulated Volume Purged in Gallons						
5						
865						
1450						
(D.B).						
CLEAS W						
I BLACK SLD						

LiRo Engineers

Project Title: SPAULD INC Site Name: PIBRE Staff: MIKE BYRK	″ Wel	l Number:	OW -	9	
Site Name: 1213125		Date:	12/14	107 on Twitter	٠ (
Staff: MIKE BURKS	NO A	1005	5		
				,	
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.).	OC	7	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	x (casing diameter) ²	
		·			
	Accumulated Volu	ıme Purged in	Gallons	 	
Parameters					
pH Spec Cond (us)					
Temp. (°C)					
Appearance					
Comments:					

LiRo Engineers

SPAULO ING Well Number: Project Title:

OW-10

Site Name: ZBZE

Date:

12/14/07

Staff: MIKE BYRNE

A) Total casing and screen length in feet.

15,70

Well ID Volume (gal/ft) 0.04

B) Water level below top of casing in feet.

7.45

2" 0.17

C) Number of feet standing water [A-B].

8.75

0.38

D) Volume of water/foot of casing (gal.).

0,17

0.66

E) Volume of water in casing (gal.) [CxD].

14.0

5¹¹ 1.04

F) Volume of water to remove (gal.) [Ex3].

420

1.50

G) Volume of water actually removed (gal.).

2.60

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

Parameters Spec Cond (us) Temp. (°C) Appearance

Accumulated Volume Purged in Gallons								
2,5 5,0								
824 777								
2155 1481								
8.90 9.9								
CLEAR WI								
BLACKSID			l					

LiRo Engineers

Project Title: SPANDING OW-12 Well Number:

12/18/07 Site Name: FBCS

Staff: MIKB BYRNE

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

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

Parameters pН Spec Cond (us) Temp. (°C) Appearance

G) Volume of water actually removed (gal.).

	Accumulated Volume Purged in Gallons							
5								
8,98	973							
1248	120							
9.2	9,6							
CLOR	2 m/							
BLACK	FS/D							

LiRo Engineers

Project Title:	5 Pauloin6	Well Number:	OW-A
Site Name:	RIBRE	Date:	12/18/07

Staff: MIKE BYRNE

A) Total casing and screen length in feet.	33.2	Well ID 1"	Volume (gal/ft) 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

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

Parameters pH Spec Cond (us) Temp. (°C) Appearance

	Accumulated Volume Purged in Gallons								
5	10								
7.54	753								
590	594								
94	1000								
CLUSA	(2								
	:								

LiRo Engineers

Project Title: 5 PAUDING Well Number: OW BZ

Site Name: P1 BV25 Date: 12/18/57

Staff: MICE BYRE

Well ID Volume (gal/ft) 31.42 0.04 A) Total casing and screen length in feet. 5.92 B) Water level below top of casing in feet. 0.17 25.29 C) Number of feet standing water [A-B]. 0.38 0,17 D) Volume of water/foot of casing (gal.). 0.66 16.7 E) Volume of water in casing (gal.) [CxD]. 1.04 50.1 1.50 F) Volume of water to remove (gal.) [Ex3].

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

2.60

Parameters
pH
Spec Cond (us)
Temp. (°C)
Appearance

G) Volume of water actually removed (gal.).

	Accumulated Volume Purged in Gallons								
5	ව								
7.65	7.66								
410	413								
102	(0.0								
clus	3/2								

LiRo Engineers

Project Title: SPAULDING

Well Number:

MW-A

2/7/08

Staff: MIKE BYRNE

A) Total casing and screen length in feet.	

B) Water level below top of casing in feet.

C) Number of feet standing water [A-B].

D) Volume of water/foot of casing (gal.).

E) Volume of water in casing (gal.) [CxD].

F) Volume of water to remove (gal.) [Ex3].

G) Volume of water actually removed (gal.).

	Well ID	Volume (gal/ft)
19.8	1"	0.04

11.6

017

197

591

6.00

0.17

0.38

0.66

1.04

1.50

2.60

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

Parameters pН Spec Cond (us) Temp. (°C) Appearance

Accumulated Volume Purged in Gallons								
3	3							
692	7.03							
)29gg	>3999							
104	98							
CLEX								

LiRo Engineers

Project Title: SPAULDING
FIBRES

Well Number:

Site Name:

Date:

MW-B 2/7/08

MIGS BYRNE

A) Total casing and screen length in feet.	19.6	Well ID 1"	Volume (gal/ft) 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. 2.1	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

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

Parameters pН Spec Cond (us) Temp. (°C) Appearance

	Accumulated Volume Purged in Gallons							
3	3							
715	7.20							
2665	305							
96	94							
CLÉA	2->							

LiRo Engineers

Project Title:	59	101c	40	Well Number:	Mw -	16	وات الأسور
----------------	----	------	----	--------------	------	----	---------------

Site Name: P1805 Date: 12(14(07

Staff: MIKE BYRNE

A) Total casing and screen length in feet.	19.60	Well ID	Volume (gal/ft) 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].	250	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

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

Parameters
pH
Spec Cond (us)
Temp. (°C)
Appearance

	Accun	nulated Vol	ume Purged	in Gallons	
7					
702					
2906					
9,6					
CLEAR CHY					

LiRo Engineers

Project Title:	5 PAULDING	Well Number:	MW	-43
----------------	------------	--------------	----	-----

Site Name: F1685 Date: 12/14/07

Staff: MIKE BYRAF

A) Total casing and screen length in feet.	25,91	Well ID 1"	Volume (gal/ft) 0.04
B) Water level below top of casing in feet.	591	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 ¹¹	0.66
E) Volume of water in casing (gal.) [CxD].	24	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

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

Parameters pH Spec Cond (us) Temp. (°C) Appearance

		Accur	nulated Vol	ume Purged	in Gallons	· · · · · · · · · · · · · · · · · · ·	
3,5	7.0						
7.41	7.38						
2160	wio						
7.2	7.1						
CLUPA	(2 W)						
BROWN	MATTY				1	ļ	

LiRo Engineers

Project Title: 5 Paul 116 Well Number: MW-59

Site Name: PBRS

Date: (2/14/07)

2"

Staff: MIKE BYRNS

A) Total casing and screen length in feet.

8.2

Well ID Volume (gal/ft) 0.04

B) Water level below top of casing in feet.

2.2

0.17

C) Number of feet standing water [A-B].

60

3" 0.38

D) Volume of water/foot of casing (gal.).

0.17

0.66

E) Volume of water in casing (gal.) [CxD].

1.03

1.04

F) Volume of water to remove (gal.) [Ex3].

3.0

1.50

G) Volume of water actually removed (gal.).

811 2.60

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

Parameters pН Spec Cond (us) Temp. (°C) Appearance

		Accumulate	d Volume Purg	ged in Gallons	
2	3				
7.51	7.49				
2480	2530				
7.2	74				
13 ROW1	MITC				
CLITY	VS: 1	1		1	

LiRo Engineers

Project Title:

SPAULDING Well Number:

Site Name:

Date:

MW-59.1

Name: PARAS
Staff: MKE BYRNE

A) Tot	al casing and screen length in feet.	1915	Well ID 1"	Volume (gal/ft) 0.04
·	ater level below top of casing in feet.	12,55	2"	0.17
•		6.60	-	
C) Nu	mber of feet standing water [A-B].	6.00	3"	0.38
D) Vo	lume of water/foot of casing (gal.).	0,1/	4"	0.66
E) Vo	lume of water in casing (gal.) [CxD].	1.12	5"	1.04
F) Vo	lume of water to remove (gal.) [Ex3].	3.40	6"	1.50
G) Vo	olume of water actually removed (gal.).	3.0	8"	2.60

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

Parameters pН Spec Cond (us) Temp. (°C) Appearance

		Accur	mulated Vol	ume Purged	in Gallons	
3						
6.85						
2815	•					
9.3		:				
Clus	12 W					
TAN	TIN					

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 SW846¹ Method 8260B <u>Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)</u> (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 <u>Organochlorine</u> <u>Pesticides by Gas Chromatography</u> (December 1996);
- Polychlorinated Biphenyls (PCBs) following USEPA SW846 Method 8082
 Polychlorinated Biphenyls by Gas Chromatography (December 1996);
- Metals following USEPA SW846 Method 6010B <u>Inductively Coupled Plasma-Atomic</u> 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 <u>Total and Amenable Cyanide</u> (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 <u>Chlorinated Herbicides by Gas Chromatography</u> (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 <u>Standard Test Methods for flashpoint</u> (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, <u>Validating Volatile Organic Compounds</u> by Gas Chromatography/Mass Spectrometry (October 2006), and SOP No. HW-22, Revision

Golder Associates

3, <u>Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry</u> (October 2006). Data for Organochlorine Pesticides, PCBs, herbicides, methanol and ethanol were validated following USEPA Region II SOP HW-6, Rev. 14, <u>Contract Laboratory Program (CLP) Organics Data Review and Preliminary Review</u> (September 2006). Metals and other inorganic data were validated following SOP No. HW-2, Revision 13, <u>Evaluation of Metals Data for the Contract Laboratory Program</u> (September 2005), where applicable to SW846 analyses. Additionally, NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation² 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.
- The analyte was not detected above the method detection limit. The associated detection limit is considered estimated.
- 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 OC 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 **me**thod established analytical hold time.

Golder Associates

- 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

					T					· · · · · · · · · · · · · · · · · · ·		1					r	
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	х	X	х						х	Х			
¥3704	SP-09 DUP	Y3704	Soil	7/25/2007	x	х	x	х						х	х			X
Y3704	SP-10	Y3704	Soil	7/25/2007	x	X	х	Х		x				Х	Х			
Y3704	SP-11	Y3704	Soil	7/25/2007	l x	х	х	Х						х	Х			
Y3704	SP-21	Y3704	Soil	7/25/2007	X	X	х	Х						X	Х			
Y3704	SP-22	Y3704	Soil	7/25/2007	X	X	х	х						x	Х			
Y3704	TP-27	Y3704	Soil	7/25/2007	X	X	Х	X						X	Х			ļ
Y3704	TP-28	Y3704	Soil	7/25/2007	X	X	x	X		x				x	X			
Y3704	TP-29	Y3704	Soil	7/25/2007	X	Х	х	х		х				Х	X			
Y3704	TP-30	Y3704	Soil	7/25/2007	X	X	X	Х		×				X	X			
Y3704	TP-65	Y3704	Soil	7/25/2007	X	X	х	X						х	X			<u> </u>
Y5070	10 N 4-6	Y5070	Soil	10/31/2007	x	X	X	х						х	X			L
Y5070	10 N 8-12	Y5070	Soil	10/31/2007	X	X	X	X						х	X			L
Y5070	10 N 8-12 DUP	Y5070	Soil	10/31/2007	×	х	х	Х						Х	X			X
Y5070	5 N 10-11	Y5070	Soil	10/31/2007	х	х	х	х						х	x			<u> </u>
Y5070	5 N 6-8	Y5070	Soil	10/31/2007	X	x	х	х						x	X			<u> </u>
Y5070	57 F 2-4	Y5070	Soil	10/26/2007	x	x	х	х						X	X			
Y5070	57 N 18-20	Y5070	Soil	10/26/2007	x	X	X	X						Х	X			<u> </u>
Y5070	57 N 4-6	Y5070	Soil	10/26/2007	X	x	х	X						Х	х			<u> </u>
Y5070	57 N 9-11	Y5070	Soil	10/26/2007	X	x	х	х						X	х			
Y5070	58 F 0-2	Y5070	Soil	10/26/2007	x	х	Х	х						Х	X			<u> </u>
Y5070	58 F 4-6	Y5070	Soil	10/26/2007	х	х	х	x						х	X			
Y5070	58 N 13-14	Y5070	Soil	10/26/2007	x	x	Х	х					1	X	X			
Y5070	58.1 F 2-4	Y5070	Soil	10/26/2007	X	х	X	x						X	X			
Y5070	58.1 N 11-12	Y5070	Soil	10/26/2007	×	х	X	X						х	X	ļ		
Y5070	59 N 4-5	Y5070	Soil	10/26/2007	X	х	Х	х						Х	X			<u> </u>
Y5070	Trip Blank	Y5070	Water	10/30/2007	X													ـــــ
Y5423	SC-2A	Y5423	Cured Resin	11/20/2007	X	х												↓
Y5423	SC-3	Y5423	Wall Block	11/20/2007	X	X		ļ										↓
Y5423	SC-4	Y5423	Floor Slab	11/20/2007	X	X		L			X	X	Х			×	X	
Y5423	TP17.1 5-6 F	Y5423	Soil	11/20/2007	X	Х	Х	X	<u> </u>					х	х			<u> </u>
Y5423	TP6 2-3 N	Y5423	Soil	11/19/2007	х	x	X	x	L	L		ļ		х	<u> </u>		ļ	ــــ
Y5423	TP7 1.0-1.5 F	Y5423	Soil	11/19/2007	X	X	X	X						Х				ـــــ
Y5423	TP7 2-3 N	Y5423	Soil	11/19/2007	X	X	×	×	L					X				ـــــ
Y5423	TP8 1-2 F	Y5423	Soil	11/19/2007	X	X	×	X						Х				↓
Y5423	TP8 2-3 N	Y5423	Soil	11/19/2007	х	х	X	X						Х	<u> </u>		ļ	
Y5423	TP84 1-2 F	Y5423	Soil	11/19/2007	X	X	×	X	ļ	ļ				Х	ļ		ļ	
Y5423	TP84 1-2 F DUP	Y5423	Soil	11/19/2007	x	X	×	X	ļ					X	<u> </u>			X
Y5423	TP84 2-3 N	Y5423	Soil	11/19/2007	х	x	×	X	<u> </u>			ļ		X	L			<u> </u>
Y5423	TP9 2-3 N	Y5423	Soil	11/19/2007	х	X	×	X	<u> </u>					Х	L		L	
Y5790	MW-16	Y5790	Water	12/13/2007	х	x	х	X	<u> </u>				ļ	Х	<u> </u>		ļ	ـــــ
Y5790	MW-43	Y5790	Water	12/14/2007	х	х	х	х	×	X				х	ļ			—
Y5790	MW-59	Y5790	Water	12/14/2007	х	х	х	х	ļ			ļ		Х	<u> </u>			ــــــ
Y5790	MW-59.1	Y5790	Water	12/14/2007	х	х	x	х	 		L			X	<u> </u>			↓
Y5790	OW-10	Y5790	Water	12/14/2007	x	X	х	х	х	X	L	İ	L	х	<u>L</u>	L	L	<u></u>

Abbreviations
Corros-Corrosivity
Corrosivity: SW846 Method 9045
Cyanide: SW846 9012

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
PCRs. Reliebleshed Blockensky Bushershed

MS/MSD - Matrix Spike/Matrix S 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

SVOCs: SW846 Method 8270C
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

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Spaulding Fibre Site Data Qualification Summary Table 2

SDG	Sample Name	Constituent(s)	New Result Qualifier	Qualifier	Reason
Y5070	10 N 4-6	Antimony	NC	R	Matrix spike excessively below QC criteria.
Y5070	10 N 4-6	Arsenic	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 4-6	Beryllium	NC	7	Serial dilution above QC limits.
Y5070	10 N 4-6	Cadmium	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 4-6	Calcium	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 4-6	Cobalt	SC	ŗ	Matrix spike below QC criteria.
Y5070	10 N 4-6	Dichlorodifluoromethane	NC	۲n	LCS recovery low.
Y5070	10 N 4-6	Hexachlorobutadiene	NC	m	Cont. Cal. %D > +/- 20%
Y5070	10 N 4-6	Iron	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 4-6	Lead	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 4-6	Magnesium	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 4-6	Manganese	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 4-6	Mercury	NC	,	Serial dilution above QC limits.
Y5070	10 N 4-6	Selenium	NC	n	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	ſ	Matrix spike below QC criteria.
Y5070	10 N 4-6	Vanadium	NC	ſ	Matrix spike below QC criteria.
Y5070	10 N 4-6	Zinc	NC	ſ	Serial dilution above QC limits.
X5070	10 N 8-12	2,4-Dinitrophenol	NC	n	MS/MSD below criteria
Y5070	10 N 8-12	4,6-Dinitro-2-methylphenol	NC	m	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	ſ	Serial dilution above QC limits.
Y5070	10 N 8-12	Beryllium	NC	r	Serial dilution above QC limits.
Y5070	10 N 8-12	Cadmium	NC	r	Serial dilution above QC limits.
Y5070	10 N 8-12	Calcium	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 8-12	Cobalt	NC	r	Matrix spike below QC criteria.
Y5070	10 N 8-12	Dichlorodifluoromethane	NC	ΩĴ	LCS recovery low.
Y5070	10 N 8-12	Hexachlorobutadiene	NC	UJ	Cont. Cal. %D > +/- 20%
X5070	10 N 8-12	Iron	NC	J	Serial dilution above QC limits.
Y5070	10 N 8-12	Lead	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 8-12	Magnesium	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 8-12	Manganese	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 8-12	Mercury	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 8-12	Selenium	NC	W	Matrix spike below QC criteria.
Y5070	10 N 8-12	Silver	NC	ፚ	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	10 N 8-12	Sodium	S	7	Matrix spike below QC criteria.

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Spaulding Fibre Site Data Qualification Summary

														e performed.																		e performed.			
Reason	Matrix spike below QC criteria.	Serial dilution above QC limits.	Matrix spike excessively below QC criteria.	Serial dilution above QC limits.	Matrix spike below QC criteria.	Serial dilution above QC limits.	Matrix spike below QC criteria.	Matrix spike below QC criteria, no post digestion spike performed.	Matrix spike below QC criteria.	Matrix spike below QC criteria.	Serial dilution above QC limits.	Matrix spike excessively below QC criteria.	Serial dilution above QC limits.	Matrix spike below QC criteria.	LCS recovery low.	Serial dilution above QC limits.	Prep blank contamination.	Matrix spike below QC criteria.	Matrix spike below QC criteria, no post digestion spike performed	Matrix spike below QC criteria.	Matrix spike below QC criteria.	Sorial dilution above Of limite													
Qualifier	ſ	7	æ	7	7	7	ר	ſ	ŗ	7	ר	'n	m	R	m	r	7	R	ſ	7	ſ	7	,	m	r	ſ	ſ	ſ	ſ	Ω	ſŊ	R	Ŋ	ſ	-
New Result Qualifier	SC	NC	NC	NC	SC	SC	NC	NC	NC	SC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	SC	NC	NC	NC	NC	NC	NC	NC	0.01	NC	NC	NC	NC	2
Constituent(s)	Vanadium	Zinc	Antimony	Arsenic	Beryllium	Cadmium	Calcium	Cobalt	Iron	Lead	Magnesium	Manganese	Selenium	Silver	Sodium	Vanadium	Zinc	Antimony	Arsenic	Beryllium	Cadmium	Calcium	Cobalt	Dichlorodifluoromethane	Iron	Lead	Magnesium	Manganese	Mercury	Mercury	Selenium	Silver	Sodium	Vanadium	ř
Sample Name	10 N 8-12	10 N 8-12	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DL	10 N 8-12 DUP	10 N 8-12 DUP	10 N 8-12 DUP	10 N 8-12 DUP	10 N 8-12 DUP	10 N 8-12 DUP	10 N 8-12 Dup	10 N 8-12 DUP	10 N 8-12 DUP	10 N 8-12 DUP	10 N 8-12 DUP	10 N 8-12 DUP	10 N 8-12 Dup	10 N 8-12 DUP	10 N 8-12 DUP	10 N 8-12 DUP	10 N 8-12 DUP	0110 07 014 07
SDG	Y5070	X5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	X5070	Y5070	Y5070	Y5070	Y5070	Y5070	X5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	02030

Data Qualification Summary Table 2 Spaulding Fibre Site

SDG	Sample Name	Constituent(s)	New Result Qualifier	Qualifier	Reason
Y5070	10 N 8-12 DUP DL	Arsenic	NC	ŗ	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Beryllium	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Cadmium	NC	,	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Calcium	NC	ŗ	Serial dilution above QC limits.
X5070	10 N 8-12 DUP DL	Cobalt	NC	ſ	Matrix spike below QC criteria.
X5070	10 N 8-12 DUP DL	Iron	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Lead	NC	ſ	Serial dilution above QC limits.
Y5070	10 N 8-12 DUP DL	Magnesium	NC	ſ	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	ſŊ	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	ſ	Matrix spike below QC criteria.
Y5070	10 N 8-12 DUP DL	Vanadium	NC	ŗ	Matrix spike below QC criteria.
Y5070	10 N 8-12 DUP DL	Zinc	NC	ſ	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	ſ	Serial dilution above QC limits.
Y5070	5 N 10-11	Beryllium	NC	ſ	Serial dilution above QC limits.
Y5070	5 N 10-11	Cadmium	NC	ŗ	Serial dilution above QC limits.
X5070	5 N 10-11	Calcium	NC	Ŋ	Serial dilution above QC limits.
X5070	5 N 10-11	Cobalt	NC	ŋ	Matrix spike below QC criteria.
Y5070	5 N 10-11	Dichlorodifluoromethane	NC	U	LCS recovery low.
Y5070	5 N 10-11	Iron	NC	ſ	Serial dilution above QC limits.
Y5070	5 N 10-11	Lead	NC	ſ	Serial dilution above QC limits.
Y5070	5 N 10-11	Magnesium	NC	ſ	Serial dilution above QC limits.
Y5070	5 N 10-11	Manganese	NC	ſ	Serial dilution above QC limits.
Y5070	5 N 10-11	Mercury	NC	ſ	Serial dilution above QC limits.
Y5070	5 N 10-11	Selenium	NC	'n	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	ſ	Matrix spike below QC criteria.
Y5070	5 N 10-11	Vanadium	NC	Ŋ	Matrix spike below QC criteria.
Y5070	5 N 10-11	Zinc	NC	ſ	Serial dilution above QC limits.
X5070	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	ſ	Serial dilution above QC limits.
Y5070	5 N 10-11 DL	Cadmium	NC	ſ	Serial dilution above QC limits.
Y5070	5 N 10-11 DL	Calcium	NC	ŗ	Serial dilution above QC limits.

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Table 2
Spaulding Fibre Site
Data Qualification Summary

Cobair
lron
Lead
Magnesium
Manganese
Odicinal
Sodium
Vanadium
Zinc
Acetone
Antimony
Arsenic
Beryllium
Cadmium
Calcinm
Cobalt
Dichlorodifluoromethane
Hexachlorobutadiene
lron
Lead
Magnesium
Manganese
Mercury
Selenium
Silver
Sodium
Vanadium
Zinc
Acetone
Dichlorodifluoromethane
1,1,2,2-Tetrachloroethane
1,2,4-Trichlorobenzene
1,2-Dibromo-3-Chloroprpane
1,2-Dichlorobenzene
1,2-Dichloroethane

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Table 2 Spaulding Fibre Site Data Qualification Summary

YSYON SFF 2-4 1.2.Dehiotoperpagene N.C UJ Internal Standard tow. YSYON SFF 2-4 1.2.Dehiotoperpagene N.C UJ Internal Standard tow. YSYON SFF 2-4 Anamic N.C UJ Returnal Standard tow. YSYON SFF 2-4 Anamic N.C UJ Sariad alution above OC limits. YSYON SFF 2-4 Benylium N.C UJ Sariad alution above OC limits. YSYON SFF 2-4 Enmodibilionorethane N.C UJ Serial alution above OC limits. YSYON SFF 2-4 Candor Transchlorde N.C UJ Serial alution above OC limits. YSYON SFF 2-4 Candor Transchlorde N.C UJ Serial alution above OC limits. YSYON SFF 2-4 Candor Transchlorde N.C UJ Serial alution above OC limits. YSYON SFF 2-4 Candor Transchlorde N.C UJ Serial alution above OC limits. YSYON SFF 2-4 Lead N.C UJ Serial alution above OC limits. </th <th>SDG</th> <th>Sample Name</th> <th>Constituent(s)</th> <th>New Result</th> <th>Qualifier</th> <th>Reason</th>	SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
ST F 2-4 1,3-Dichlorobenzene NC UU 57 F 2-4 1,4-Dichlorobenzene NC UU 67 F 2-4 Antimony NC UU 67 F 2-4 Arsenic NC UU 67 F 2-4 Benzene NC UU 67 F 2-4 Bromodichloromethane NC UU 67 F 2-4 Carbon Tetrachloride NC UU 67 F 2-4 Lobalt NC UU 67 F 2-4 Isopropylbenzene NC UU 67 F 2-4 Isopropylbenzene NC UU 67 F 2-4 Mathylcyclohexane NC UU 67 F 2-4 Mathylcyclohexane NC UU 67 F 2-4 Amadium NC U 67 F 2-4	Y5070	57 F 2-4	1,2-Dichloropropane	NC	m	Surrogate recovery low.
57 F 2-4 1,4-Dichlorobenzene NC UU 67 F 2-4 Antinnony NC UU 67 F 2-4 Benzene NC UU 67 F 2-4 Cadmium NC U 67 F 2-4 Carbon Tetrachloride NC U 67 F 2-4 Lead NC U 67 F 2-4 Magnesium NC U 67 F 2-4 Magnesium NC U 67 F 2-4 Magnesium NC U 67 F 2-4 MathyCyclohexame NC U 67 F 2-4 MathyCyclohexame NC U 67 F 2-4 Trichloropenzene NC <	Y5070	57 F 2-4	1,3-Dichlorobenzene	SC	m	Internal Standard low.
57 F 2-4 Antimony NC UJ 57 F 2-4 Benzene NC UJ 57 F 2-4 Benzene NC UJ 57 F 2-4 Bromodichloromethane NC UJ 57 F 2-4 Bromodichloromethane NC UJ 57 F 2-4 Carbon Tetrachloride NC UJ 57 F 2-4 Carbon Tetrachloride NC UJ 57 F 2-4 Carbon Tetrachloride NC UJ 57 F 2-4 Dichlorodifluoromethane NC UJ 57 F 2-4 Isopropylbenzene NC UJ 57 F 2-4 Isopropylbenzene NC UJ 57 F 2-4 Magganese NC UJ 57 F 2-4 Metrylcyclohexane NC UJ 57 F 2-4 Metrylcyclohexane NC UJ 57 F 2-4 Selenium NC UJ 57 F 2-4 Solitan NC UJ 57 F 2-4 Trichloroethene NC UJ 57 F 2-4RE	Y5070	57 F 2-4	1,4-Dichlorobenzene	NC	ΓΩ	Internal Standard low.
57 F 2-4 Arsenic NC UJ 57 F 2-4 Benzene NC UJ 57 F 2-4 Bromodichlormethane NC UJ 57 F 2-4 Bromodichlormethane NC UJ 57 F 2-4 Carbon Tetrachloride NC UJ 57 F 2-4 Dichlorodifuormethane NC UJ 57 F 2-4 Isopropylbenzene NC UJ 57 F 2-4 Isopropylbenzene NC UJ 57 F 2-4 Manganese NC UJ 57 F 2-4 Methyloyclohexane NC UJ 57 F 2-4 Methyloyclohexane NC UJ 57 F 2-4 Trichloroethane NC UJ 57 F 2-4 Trichloroethane NC UJ 57 F 2-4RE 1,2,4-Trichincobenzene NC UJ	Y5070	57 F 2-4	Antimony	NC	ፚ	Matrix spike excessively below QC criteria.
57 F 2-4 Benzene NC U 57 F 2-4 Bromodichloromethane NC U 57 F 2-4 Cadmun NC U 57 F 2-4 Catchium NC U 57 F 2-4 Carbon Tetrachloride NC U 57 F 2-4 Cobatt NC U 57 F 2-4 Isopropylbenzene NC U 57 F 2-4 Magnesium NC U 57 F 2-4 Manganesse NC U 57 F 2-4 Manganesse NC U 57 F 2-4 Metrury NC U 57 F 2-4 Metrury NC U 57 F 2-4 Metrury NC U 57 F 2-4 Trichloroethene NC U 57 F 2-4RE 1,1,2,2-Tetrachloroethene NC	Y5070	57 F 2-4	Arsenic	NC	n	Serial dilution above QC limits.
S7 F 2-4 Beryllium NC J S7 F 2-4 Bromodichloromethane NC J S7 F 2-4 Cadmlum NC J 57 F 2-4 Carbon Tetrachloride NC J 57 F 2-4 Carbon Tetrachloride NC J 57 F 2-4 Coabit NC J 57 F 2-4 Dichlorodifluoromethane NC UJ 57 F 2-4 Dichlorodifluoromethane NC UJ 57 F 2-4 Isopropylbenzene NC UJ 57 F 2-4 Magnesium NC UJ 57 F 2-4 Mathylocyclohexane NC UJ 57 F 2-4 Methylocyclohexane NC UJ 57 F 2-4 Methylocyclohexane NC UJ 57 F 2-4 Methylocyclohexane NC UJ 57 F 2-4 Avaadium NC UJ 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC UJ 57 F 2-4RE 1,2-Dithoroethane NC UJ <td< td=""><td>5070</td><td>57 F 2-4</td><td>Benzene</td><td>NC</td><td>nı</td><td>Surrogate recovery low.</td></td<>	5070	57 F 2-4	Benzene	NC	nı	Surrogate recovery low.
57 F 2-4 Bromodichloromethane NC UJ 57 F 2-4 Cadmium NC J 57 F 2-4 Carbit NC UJ 57 F 2-4 Carbot NC UJ 57 F 2-4 Dichlorodifluoromethane NC UJ 57 F 2-4 Dichlorodifluoromethane NC UJ 57 F 2-4 Dichlorodifluoromethane NC UJ 57 F 2-4 Isopropylbenzene NC UJ 57 F 2-4 Magnesium NC U 57 F 2-4 Mathylozotchexane NC UJ 57 F 2-4 Methylozotchexane NC UJ 57 F 2-4 Methylozotchexane NC UJ 57 F 2-4 Methylozotchexane NC UJ 57 F 2-4 Trichloroethane NC UJ 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC N 57 F 2-4RE 1,2-Ditchloroethane NC UJ 57 F 2-4RE 1,2-Ditchloroethane NC UJ	Y5070	57 F 2-4	Beryllium	NC	J	Serial dilution above QC limits.
57 F 2-4 Cadmium NC J 57 F 2-4 Carbon Tetrachloride NC J 57 F 2-4 Carbon Tetrachloride NC U 57 F 2-4 Dichlorodiffuormethane NC U 57 F 2-4 Isopropylbenzene NC U 57 F 2-4 Isopropylbenzene NC U 57 F 2-4 Magnesium NC U 57 F 2-4 Magnesium NC U 57 F 2-4 Manganese NC U 57 F 2-4 Methylicyclohexane NC U 57 F 2-4 Methylicyclohexane NC U 57 F 2-4 Methylicyclohexane NC U 57 F 2-4 Nanadium NC U 57 F 2-4 Trichloroethene NC U 57 F 2-4RE 1,2,4-Trichloroethane NC U 57 F 2-4RE 1,2,4-Trichloroethane NC U 57 F 2-4RE 1,2-Dichloroethane NC U 57 F 2-4RE	Y5070	57 F 2-4	Bromodichloromethane	NC	n	Surrogate recovery low.
57 F 2-4 Carbon Tetrachloride NC J 57 F 2-4 Carbon Tetrachloride NC UJ 57 F 2-4 Dichlorodiffuoromethane NC UJ 57 F 2-4 Isopropylbenzene NC UJ 57 F 2-4 Lead NC UJ 57 F 2-4 Magnesium NC U 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Selenium NC UJ 57 F 2-4 Vanadium NC UJ 57 F 2-4 Vanadium NC UJ 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC NC 57 F 2-4RE 1,2,4-Trichlorobenzene NC UJ 57 F 2-4RE 1,2,2-Tetrachloroethane NC UJ 57 F 2-4RE 1,2,1-2-Tetrachloroethane NC UJ 57 F 2-4RE 1,2-Dichloroethane NC UJ <	5070	57 F 2-4	Cadmium	NC	J	Serial dilution above QC limits.
57 F 2-4 Carbon Tetrachloride NC UJ 57 F 2-4 Dichlorodiffuoromethane NC J 57 F 2-4 Dichlorodiffuoromethane NC UJ 57 F 2-4 Isopropylbenzene NC UJ 57 F 2-4 Isopropylbenzene NC UJ 57 F 2-4 Magnesium NC UJ 57 F 2-4 Magnesium NC UJ 57 F 2-4 Mathylcyclohexane NC UJ 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Silver NC UJ 57 F 2-4 Silver NC UJ 57 F 2-4 Sodium NC U 57 F 2-4 Trichloroethene NC U 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC U 57 F 2-4RE 1,2-Dichloroethane NC U 57 F 2-4RE 1,2-Dichloroethane NC U 57 F 2-4RE<	5070	57 F 2-4	Calcium	NC	ſ	Serial dilution above QC limits.
57 F 2-4 Cobalt NC J 57 F 2-4 Dichlorodifluoromethane NC UJ 57 F 2-4 Isopropylbenzene NC UJ 57 F 2-4 Magnesium NC UJ 57 F 2-4 Magnesium NC UJ 57 F 2-4 Marganesium NC UJ 57 F 2-4 Methylocyclohexane NC UJ 57 F 2-4 Selenium NC UJ 57 F 2-4 Vanadium NC UJ 57 F 2-4RE 1,2,2-Tetrachloroethane NC N 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4	5070	57 F 2-4	Carbon Tetrachloride	SC	m	Surrogate recovery low.
57 F 2-4 Dichlorodifluoromethane NC J 57 F 2-4 Iron J J 57 F 2-4 Isopropylbenzene NC J 57 F 2-4 Magnesium NC J 57 F 2-4 Marcury NC J 57 F 2-4 Methylcyclohexane NC J 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Silver NC UJ 57 F 2-4 Vanadium NC UJ 57 F 2-4RE 11,2,4-Trichloroethane NC N 57 F 2-4RE 11,2,4-Trichloroethane NC N 57 F 2-4RE 11,2-Dichloropenzene NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57	5070	57 F 2-4	Cobalt	SC	٦,	Matrix spike below QC criteria.
57 F 2-4 Iron NC J 57 F 2-4 Isopropylbenzene NC U 57 F 2-4 Magnesium NC J 57 F 2-4 Manganese NC J 57 F 2-4 Mercury NC J 57 F 2-4 Methylcyclohexane NC U 57 F 2-4 Silver NC U 57 F 2-4 Trichloroethene NC N 57 F 2-4RE 1,2,2-Tetrachloroethane NC N 57 F 2-4RE 1,2,2-Tetrachloroethane NC U 57 F 2-4RE 1,2-Dichloroethane NC U 57 F 2-4RE 1,2-Dichloroethane NC U 57 F 2-4RE 1,2-Dichloroethane NC U 57 F 2-4RE	5070	57 F 2-4	Dichlorodifluoromethane	S	S	LCS recovery low.
57 F 2-4 Isopropylbenzene NC UJ 57 F 2-4 Magnesium NC J 57 F 2-4 Manganese NC J 57 F 2-4 Mercury NC J 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Selenium NC UJ 57 F 2-4 Silver NC UJ 57 F 2-4 Silver NC UJ 57 F 2-4 Trichloroethene NC N 57 F 2-4RE 1,1,1,2,2-Tetrachloroethane NC N 57 F 2-4RE 1,2-Dibromo-3-Chloroprane NC N 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC NC 57 F 2-4RE 1,2-Dichlorobenzene NC NC 57 F 2-4RE </td <td>5070</td> <td>57 F 2-4</td> <td>Iron</td> <td>SC</td> <td>7</td> <td>Serial dilution above QC limits.</td>	5070	57 F 2-4	Iron	SC	7	Serial dilution above QC limits.
57 F 24 Lead NC J 57 F 24 Manganese NC J 57 F 24 Metrouy NC J 57 F 24 Methylcyclohexane NC UJ 57 F 24 Selenium NC UJ 57 F 24 Selenium NC UJ 57 F 24 Silver NC UJ 57 F 24 Sodium NC UJ 57 F 24 Trichloroethene NC UJ 57 F 24RE Trichloroethene NC N 57 F 24RE 1,1,2,2-Tetrachloroethane NC N 57 F 24RE 1,2,4-Trichloroethane NC N 57 F 24RE 1,2-Dichloroethane NC UJ 57 F 24RE 1,3-Dichloroethane <td>5070</td> <td>57 F 2-4</td> <td>Isopropylbenzene</td> <td>S</td> <td>S</td> <td>Internal Standard low.</td>	5070	57 F 2-4	Isopropylbenzene	S	S	Internal Standard low.
57 F 2-4 Magnesium NC J 57 F 2-4 Mercury NC J 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Selenium NC UJ 57 F 2-4 Silver NC UJ 57 F 2-4 Silver NC UJ 57 F 2-4 Trichloroethene NC UJ 57 F 2-4 Vanadium NC UJ 57 F 2-4 Trichloroethene NC UJ 57 F 2-4 Vanadium NC UJ 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC R 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,3-Dichloroethane NC UJ 57 F 2-4RE	2070	57 F 2-4	Lead	NC	ſ	Serial dilution above QC limits.
57 F 2-4 Manganese NC J 57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Selenium NC UJ 57 F 2-4 Selenium NC UJ 57 F 2-4 Silver NC UJ 57 F 2-4 Trichloroethene NC UJ 57 F 2-4RE Trichloroethene NC UJ 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC N 57 F 2-4RE 1,2,4-Trichlorobenzene NC N 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC UJ 57 F 2-4RE 1,4-Dichloroethane NC UJ	5070	57 F 2-4	Magnesium	NC	ſ	Serial dilution above QC limits.
57 F 2-4 Methyloyclohexane NC J 57 F 2-4 Selenium NC UJ 57 F 2-4 Silver NC UJ 57 F 2-4 Silver NC UJ 57 F 2-4 Sodium NC UJ 57 F 2-4 Trichloroethene NC UJ 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC N 57 F 2-4RE 1,2,4-Trichlorobenzene NC N 57 F 2-4RE 1,2,4-Trichlorobenzene NC N 57 F 2-4RE 1,2-Ditchloroethane NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC UJ 57 F 2-4RE 1,4-Dichlorobenzene NC UJ 57 F 2-4RE 1,4-Dichlorobenzene NC UJ </td <td>0200</td> <td>57 F 2-4</td> <td>Manganese</td> <td>NC</td> <td>ſ</td> <td>Serial dilution above QC limits.</td>	0200	57 F 2-4	Manganese	NC	ſ	Serial dilution above QC limits.
57 F 2-4 Methylcyclohexane NC UJ 57 F 2-4 Selenium NC HJ 57 F 2-4 Silver NC J 57 F 2-4 Sodium NC J 57 F 2-4 Trichloroethene NC UJ 57 F 2-4 Trichloroethene NC UJ 57 F 2-4RE 1,1,1,2,2-Tetrachloroethane NC R 57 F 2-4RE 1,2-Dichlorobenzene NC N 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC UJ 57 F 2-4RE 1,4-Dichlorobenzene NC UJ 57 F 2-4RE 1,4-Dichlorobenzene NC UJ 57 F 2-4RE 1,4-Dichloroethane NC UJ </td <td>5070</td> <td>57 F 2-4</td> <td>Mercury</td> <td>NC</td> <td>J</td> <td>Serial dilution above QC limits.</td>	5070	57 F 2-4	Mercury	NC	J	Serial dilution above QC limits.
57 F 2-4 Selenium NC UJ 57 F 2-4 Silver NC J 57 F 2-4 Sodium NC UJ 57 F 2-4 Trichloroethene NC UJ 57 F 2-4RE Trichloroethene NC UJ 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC R 57 F 2-4RE 1,2-Dichlorobenzene NC R 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,4-Dichlorobenzene NC UJ <td>5070</td> <td>57 F 2-4</td> <td>Methylcyclohexane</td> <td>NC</td> <td>n</td> <td>Surrogate recovery low.</td>	5070	57 F 2-4	Methylcyclohexane	NC	n	Surrogate recovery low.
57 F 2-4 Silver NC R 57 F 2-4 Trichloroethene NC J 57 F 2-4 Trichloroethene NC J 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC R 57 F 2-4RE 1,2,4-Trichlorobenzene NC R 57 F 2-4RE 1,2-Dibromo-3-Chloroprane NC R 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ	5070	57 F 2-4	Selenium	NC	n	Matrix spike below QC criteria.
57 F 2-4 Sodium NC J 57 F 2-4 Trichloroethene NC UJ 57 F 2-4 Vanadium NC J 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC R 57 F 2-4RE 1,2,4-Trichlorobenzene NC R 57 F 2-4RE 1,2-Dichloropenzene NC R 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC UJ 57 F 2-4RE 1,4-Dichlorobenzene NC UJ 57 F 2-4RE 1,4-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 67 F 2-4RE 1,2-Dichloropenzene NC UJ	5070	57 F 2-4	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
57 F 2-4 Trichloroethene NC UJ 57 F 2-4 Vanadium NC J 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC R 57 F 2-4RE 1,2,4-Trichlorobenzene NC R 57 F 2-4RE 1,2-Dibromo-3-Chloroprane NC R 57 F 2-4RE 1,2-Dichlorobenzene NC NJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC UJ 57 F 2-4RE 1,4-Dichlorobenzene NC UJ 57 F 2-4RE 1,4-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Bichlorobenzene NC UJ 57 F 2-4RE Benzene NC UJ	5070	57 F 2-4	Sodium	NC	ſ	Matrix spike below QC criteria.
57 F 2-4 Vanadium NC J 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC J 57 F 2-4RE 1,2,4-Trichlorobenzene NC R 57 F 2-4RE 1,2-Dibromo-3-Chloroprpane NC R 57 F 2-4RE 1,2-Dichlorobenzene NC N 57 F 2-4RE 1,2-Dichloroptane NC U 57 F 2-4RE 1,2-Dichloropenzene NC U 57 F 2-4RE 1,3-Dichlorobenzene NC R 57 F 2-4RE 1,3-Dichlorobenzene NC R 57 F 2-4RE 1,4-Dichlorobenzene NC R 57 F 2-4RE 1,2-Dichlorobenzene NC R 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ	2070	57 F 2-4	Trichloroethene	NC	m	Surrogate recovery low.
57 F 2-4 Zinc NC J 57 F 2-4RE 1,1,2,2-Tetrachloroethane NC R 57 F 2-4RE 1,2,4-Trichlorobenzene NC R 57 F 2-4RE 1,2-Dibromo-3-Chloroprpane NC R 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Dichloropropane NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC R 57 F 2-4RE 1,4-Dichlorobenzene NC R 57 F 2-4RE 1,2-Dichlorobenzene NC R 57 F 2-4RE 1,2-Dichlorobenzene NC UJ	5070	57 F 2-4	Vanadium	NC	J	Matrix spike below QC criteria.
57 F 2-4RE 1,1,2,2-Tetrachloroethane NC R 57 F 2-4RE 1,2,4-Trichlorobenzene NC R 57 F 2-4RE 1,2-Dichloroethane NC NJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC R 57 F 2-4RE 1,3-Dichlorobenzene NC R 57 F 2-4RE 1,4-Dichlorobenzene NC UJ 57 F 2-4RE Benzene NC UJ	5070	57 F 2-4	Zinc	NC	J	Serial dilution above QC limits.
57 F 2-4RE 1,2,4-Trichlorobenzene NC R 57 F 2-4RE 1,2-Dibromo-3-Chloroprpane NC R 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC R 57 F 2-4RE 1,4-Dichlorobenzene NC R 57 F 2-4RE 1,4-Dichlorobenzene NC R 57 F 2-4RE Benzene NC UJ 57 F 2-4RE Benzene NC UJ	2070	57 F 2-4RE		NC	æ	Internal Standard extremely low.
57 F 2-4RE 1,2-Dibromo-3-Chloroprpane NC R 57 F 2-4RE 1,2-Dichlorobenzene NC UJ 57 F 2-4RE 1,2-Dichloroptane NC UJ 57 F 2-4RE 1,2-Dichlorobenzene NC R 57 F 2-4RE 1,3-Dichlorobenzene NC R 57 F 2-4RE 1,4-Dichlorobenzene NC R 57 F 2-4RE Benzene NC UJ 57 F 2-4RE Bromodichloromethane NC UJ	5070	57 F 2-4RE		NC	伀	Internal Standard extremely low.
57 F 2-4RE 1,2-Dichlorobenzene NC R 57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,2-Dichloropenzene NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC R 57 F 2-4RE 1,4-Dichlorobenzene NC R 57 F 2-4RE Benzene NC UJ	5070	57 F 2-4RE	1,2-Dibromo-3-Chloroprpane	NC	Ж	Internal Standard extremely low.
57 F 2-4RE 1,2-Dichloroethane NC UJ 57 F 2-4RE 1,2-Dichloropropane NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC R 57 F 2-4RE 1,4-Dichlorobenzene NC UJ 57 F 2-4RE Bromodichloromethane NC UJ	2070	57 F 2-4RE	1,2-Dichlorobenzene	NC	꿉	Internal Standard extremely low.
57 F 2-4RE 1,2-Dichloropropane NC UJ 57 F 2-4RE 1,3-Dichlorobenzene NC R 57 F 2-4RE 1,4-Dichlorobenzene NC R 57 F 2-4RE Bromodichloromethane NC UJ	5070	57 F 2-4RE	1,2-Dichloroethane	NC	ΩĴ	Surrogate recovery low.
57 F 2-4RE 1,3-Dichlorobenzene NC R 57 F 2-4RE 1,4-Dichlorobenzene NC R 57 F 2-4RE Benzene NC UJ 57 F 2-4RE Bromodichloromethane NC UJ	5070	57 F 2-4RE	1,2-Dichloropropane	SC	Ω	Surrogate recovery low.
57 F 2-4RE 1,4-Dichlorobenzene NC R 57 F 2-4RE Benzene NC UJ 57 F 2-4RE Bromodichloromethane NC UJ	5070	57 F 2-4RE	1,3-Dichlorobenzene	NC	Я	Internal Standard extremely low.
57 F 2-4RE Benzene NC UJ 57 F 2-4RE Bromodichloromethane NC UJ	2070	57 F 2-4RE	1,4-Dichlorobenzene	SC	깥	Internal Standard extremely low.
57 F 2-4RE Bromodichloromethane NC UJ	5070	57 F 2-4RE	Benzene	SC	m	Surrogate recovery low.
	5070	57 F 2-4RE	Bromodichloromethane	NC	ΩĴ	Surrogate recovery low.

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Table 2
Spaulding Fibre Site
Data Qualification Summary

YSSTOR F F E 4RE Bromotom NC UJ Internal Standard extraonely low. YSSTOR 57 F E 24RE Carbon Textabloride NC UJ Internal Standard extraonely low. YSSTOR 57 F E 24RE Dichlocodifluoromethane NC UJ Internal Standard extraonely low. YSSTOR 57 F E 24RE Methypsychearrane NC UJ Surrogate recovery low. YSSTOR 57 F E 24RE Methypsychearrane NC UJ Surrogate recovery low. YSSTOR 57 F E 24RE Trichlocothanane NC UJ Surrogate recovery low. YSSTOR 57 N 18-20 Antimorphicanal NC UJ Cortical dubron above CC limits. YSSTOR 57 N 18-20 Antimorphicanal NC UJ Cortical dubron above CC limits. YSSTOR 57 N 18-20 Cadentum NC UJ NC UJ YSSTOR 57 N 18-20 Cadentum NC UJ NC UL UL YSSTOR 57 N 18-20 Cadentum NC UJ	SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
57 F 2-4RE Carbon Tetrachloride NC UJ 57 F 2-4RE Dichlorodifluoromethane NC UJ 57 F 2-4RE MethylCyclohexane NC UJ 57 F 2-4RE MethylCyclohexane NC UJ 57 N 18-20 2,4-Dintrophenol NC UJ 57 N 18-20 Antimony NC UJ 57 N 18-20 Arsenic NC UJ 57 N 18-20 Cadrilum NC UJ 57 N 18-20 Dichlorodifluoromethane NC UJ 57 N 18-20 Magnesium NC UJ 57 N 18-20 Magnesium NC UJ 57 N 18-20 Selenium NC UJ 57 N 18-20 Selenium NC UJ 57 N 18-20 Selenium NC UJ 57 N 18-20 Selen	Y5070	57 F 2-4RE	Bromoform	NC	ፚ	Internal Standard extremely low.
57 F 2-4RE Dichlorodiffuoromethane NC UJ 57 F 2-4RE Isopropylbenzene NC UJ 57 F 2-4RE Methylocylonexane NC UJ 57 N 18-20 Z-4-Dintrophenol NC UJ 57 N 18-20 Antimony NC UJ 57 N 18-20 Antimony NC UJ 57 N 18-20 Cadrium NC UJ 57 N 18-20 Magnesium NC UJ 57 N 18-20 Magnesium NC UJ 57 N 18-20 Magnesium NC UJ 57 N 18-20 Selverium NC <td>Y5070</td> <td>57 F 2-4RE</td> <td>Carbon Tetrachloride</td> <td>NC</td> <td>n</td> <td>Surrogate recovery low.</td>	Y5070	57 F 2-4RE	Carbon Tetrachloride	NC	n	Surrogate recovery low.
ST F 2-4RE Isopropylbenzene NC UJ 57 F 2-4RE Methyloyclohexane NC UJ 57 F 2-4RE Trichloroethene NC UJ 57 N 18-20 A-tpintrophenol NC UJ 57 N 18-20 Assenic NC UJ 57 N 18-20 Assenic NC UJ 57 N 18-20 Cadmium NC UJ 57 N 18-20 Cadmium NC UJ 57 N 18-20 Cobalt NC UJ 57 N 18-20 Dichlorodifluoromethane NC UJ 57 N 18-20 Magnessum NC U 57 N 18-20 Magnessum NC U 57 N 18-20 Magnessum NC U 57 N 18-20 Selentum NC U 57 N 18-20 Solvat V	Y5070	57 F 2-4RE	Dichlorodifluoromethane	NC	m	LCS recovery low.
57 F 2-4RE Methyloyclohexane NC UJ 57 F 2-4RE Trichloroethene NC UJ 57 N 18-20 Arbinitrophenol NC UJ 57 N 18-20 Arsenic NC UJ 57 N 18-20 Arsenic NC UJ 57 N 18-20 Cadrium NC UJ 57 N 18-20 Cadrium NC UJ 57 N 18-20 Cadrium NC UJ 57 N 18-20 Cadelum NC UJ 57 N 18-20 Coleium NC UJ 57 N 18-20 Dichlorodifluoromethane NC UJ 57 N 18-20 Magnessum NC U 57 N 18-20 Magnessum NC U 57 N 18-20 Magnessum NC U 57 N 18-20 Selenium NC U 57 N 18-20 Solonium NC U 57 N 18-20 Solonium NC U 57 N 4-6 Arsenic NC U </td <td>Y5070</td> <td>57 F 2-4RE</td> <td>Isopropylbenzene</td> <td>NC</td> <td>Ж</td> <td>Internal Standard extremely low.</td>	Y5070	57 F 2-4RE	Isopropylbenzene	NC	Ж	Internal Standard extremely low.
Tirchloroethene NC UU 57 N 18-20 2,4 Dintirophenol NC UU 57 N 18-20 Antimony NC UU 57 N 18-20 Aratimony NC UU 57 N 18-20 Aratimony NC UU 57 N 18-20 Cadmium NC UU 57 N 18-20 Cadmium NC UU 57 N 18-20 Calcium NC UU 57 N 18-20 Calcium NC UU 57 N 18-20 Lead NC UU 57 N 18-20 Magnesium NC U 57 N 18-20 Manganese NC U 57 N 18-20 Manganese NC U 57 N 18-20 Manganese NC U 57 N 18-20 Selenium NC U 57 N 18-20 Sodium NC U 57 N 18-20 Sodium NC U 57 N 18-20 Solonium NC U 57 N 18-20	Y5070	57 F 2-4RE	Methylcyclohexane	NC	ſΩ	Surrogate recovery low.
57 N 18-20 2,4-Dinitrophenol NC UD 57 N 18-20 Antimony NC UJ 57 N 18-20 Assenic NC UJ 57 N 18-20 Cadcium NC UJ 57 N 18-20 Cadcium NC U 57 N 18-20 Cadcium NC U 57 N 18-20 Cadcium NC U 57 N 18-20 Cobalt NC U 57 N 18-20 Cobalt NC U 57 N 18-20 Magnesium NC U 57 N 18-20 Manganese NC U 57 N 18-20 Manganese NC U 57 N 18-20 Selenium NC U	Y5070	57 F 2-4RE	Trichloroethene	NC	n	Surrogate recovery low.
57 N 18-20 Antimony NC R 57 N 18-20 Arsenic NC UJ 57 N 18-20 Cadmium NC UJ 57 N 18-20 Cadmium NC UJ 57 N 18-20 Cobalt NC UJ 57 N 18-20 Cobalt NC UJ 57 N 18-20 Dichlorodifiluoromethane NC UJ 57 N 18-20 Magnesium NC UJ 57 N 18-20 Magnesium NC U 57 N 18-20 Magnesium NC U 57 N 18-20 Marcany NC U 57 N 18-20 Selenium NC U 57 N 18-20 Salenium NC U	Y5070	57 N 18-20	2,4-Dinitrophenol	NC	m	Cont. Cal. %D > +/- 25%
Arsenic NC UD 57 N 18-20 Beryllium NC J 57 N 18-20 Cadmium NC J 57 N 18-20 Cobalt NC J 57 N 18-20 Dichlorodiffuormethane NC J 57 N 18-20 Dichlorodiffuormethane NC J 57 N 18-20 Magnesium NC J 57 N 18-20 Marganese NC J 57 N 18-20 Manganese NC J 57 N 18-20 Mercury NC J 57 N 18-20 Mercury NC J 57 N 18-20 Soldium NC J 57 N 4-6 Acetone NC J 57 N 4-6 Arsenic NC J 57 N 4-6 Soldium NC J 57 N 4-6	Y5070	57 N 18-20	Antimony	NC	8	Matrix spike excessively below QC criteria.
57 N 18-20 Beryllium NC J 57 N 18-20 Cadmium NC J 57 N 18-20 Calcium NC J 57 N 18-20 Dichlorodiffluoromethane NC J 57 N 18-20 Lead NC J 57 N 18-20 Magnesium NC J 57 N 18-20 Marcury NC J 57 N 18-20 Selenium NC J 57 N 18-20 Sodium NC J 57 N 18-20 Vanadium NC J 57 N 4-6 Artimony NC J 57 N 4-6 Beryllium NC J 57 N 4-6 Beryllium NC J 57 N 4-6 Calchium NC J 57 N 4-6 Beryllium NC J 57	Y5070	57 N 18-20	Arsenic	NC	S	Serial dilution above QC limits.
57 N 18-20 Cadmium NC UJ 57 N 18-20 Calcium NC J 57 N 18-20 Dichlorodifluoromethane NC J 57 N 18-20 Dichlorodifluoromethane NC J 57 N 18-20 Magnesium NC J 57 N 18-20 Magnesium NC J 57 N 18-20 Manganese NC J 57 N 18-20 Manganese NC J 57 N 18-20 Mercury NC J 57 N 18-20 Selenium NC J 57 N 18-20 Selenium NC J 57 N 18-20 Sodium NC J 57 N 18-20 Sodium NC J 57 N 4-6 Acetone NC J 57 N 4-6 Acetone NC J 57 N 4-6 Caddmium NC J 57 N 4-6 Caddmium NC J 57 N 4-6 Caddmium NC J	Y5070	57 N 18-20	Beryllium	NC	ſ	Serial dilution above QC limits.
57 N 18-20 Calcium NC J 67 N 18-20 Cobalt NC J 57 N 18-20 Dichlorodiffuoromethane NC J 67 N 18-20 Iron NC J 67 N 18-20 Mangaesium NC J 67 N 18-20 Marganesium NC J 67 N 18-20 Mercury NC J 67 N 18-20 Mercury NC J 67 N 18-20 Mercury NC J 67 N 18-20 Selenium NC J 67 N 18-20 Soldium NC J 67 N 18-20 Vanadium NC J 67 N 18-20 Vanadium NC J 67 N 4-6 Acetone NC J 67 N 4-6 Arsenic NC J 67 N 4-6 Cadrium NC J 67 N 4-6 Cadrium NC J 67 N 4-6 Cadcium NC J 67 N 4-6	Y5070	57 N 18-20	Cadmium	NC	m	Serial dilution above QC limits.
57 N 18-20 Cobalt NC J 67 N 18-20 Dichlorodifluoromethane NC J 57 N 18-20 Iron NC J 57 N 18-20 Magnesium NC J 57 N 18-20 Marcury NC J 57 N 18-20 Marcury NC J 57 N 18-20 Pentachlorophenol NC J 57 N 18-20 Selenium NC U 57 N 18-20 Selenium NC U 57 N 18-20 Sodium NC U 57 N 18-20 Sodium NC J 57 N 18-20 Vanadium NC J 57 N 18-20 Acetone NC J	Y5070	57 N 18-20	Calcium	NC	ſ	Serial dilution above QC limits.
57 N 18-20 Dichlorodifluoromethane NC UJ 57 N 18-20 Lead NC J 57 N 18-20 Magnesium NC J 57 N 18-20 Manganese NC J 57 N 18-20 Marcury NC J 57 N 18-20 Pentachlorophanol NC J 57 N 18-20 Selenium NC UJ 57 N 18-20 Soldium NC UJ 57 N 18-20 Soldium NC UJ 57 N 18-20 Vanadium NC J 57 N 4-6 Acetone NC J 57 N 4-6 Acetone NC J 57 N 4-6 Acetone NC J 57 N 4-6 Selevilium NC J 57 N 4-6 Acetone NC J 57 N 4-6 Cadrium NC J 57 N 4-6 Cadrium NC J 57 N 4-6 Cadrium NC J 57 N	Y5070	57 N 18-20	Cobalt	NC	ſ	Matrix spike below QC criteria.
57 N 18-20 Iron Iron J 57 N 18-20 Lead NC J 57 N 18-20 Manganese NC J 57 N 18-20 Marcury NC J 57 N 18-20 Pentachlorophenol NC J 57 N 18-20 Selenium NC U 57 N 18-20 Sodium NC J 57 N 18-20 Acetone NC J 57 N 4-6 Arsenic NC J 57 N 4-6 Calcium NC J 57 N 4-6 Calcium NC J 57 N 4-6 Cobalt NC J 57 N 4-6 Inon </td <td>Y5070</td> <td>57 N 18-20</td> <td>Dichlorodifluoromethane</td> <td>NC</td> <td>m</td> <td>LCS recovery low.</td>	Y5070	57 N 18-20	Dichlorodifluoromethane	NC	m	LCS recovery low.
57 N 18-20 Lead NC J 57 N 18-20 Magnesium NC J 57 N 18-20 Manganese NC J 57 N 18-20 Pentachlorophenol NC J 57 N 18-20 Selenium NC UJ 57 N 18-20 Selenium NC UJ 57 N 18-20 Sodium NC J 57 N 18-20 Acetone NC J 57 N 4-6 Arsenic NC J 57 N 4-6 Calcium NC J 57 N 4-6 Dichlorodifluoromethane NC J 57 N 4-6 <td>Y5070</td> <td>57 N 18-20</td> <td>Iron</td> <td>NC</td> <td>ſ</td> <td>Serial dilution above QC limits.</td>	Y5070	57 N 18-20	Iron	NC	ſ	Serial dilution above QC limits.
57 N 18-20 Magnesium NC J 67 N 18-20 Mercury NC J 70 N 18-20 Mercury NC J 57 N 18-20 Selenium NC UJ 57 N 18-20 Silver NC UJ 57 N 18-20 Silver NC UJ 57 N 18-20 Sodium NC J 57 N 18-20 Vanadium NC J 57 N 18-20 Vanadium NC J 57 N 18-20 Vanadium NC J 57 N 4-6 Acetone NC J 57 N 4-6 Arsenic NC J 57 N 4-6 Caderium NC J 57 N 4-6 Caderium NC J 57 N 4-6 Cobalt NC J 57 N 4-6 Dichlorodifluoromethane NC J 57 N 4-6 Dichlorodifluoromethane NC J 57 N 4-6 NC NC J 57 N 4-	Y5070	57 N 18-20	Lead	NC	ſ	Serial dilution above QC limits.
57 N 18-20 Manganese NC J 57 N 18-20 Dentachlorophenol NC J 57 N 18-20 Selenium NC UJ 57 N 18-20 Sodium NC J 57 N 18-20 Sodium NC J 57 N 18-20 Vanadium NC J 57 N 18-20 Vanadium NC J 57 N 4-6 Acetone NC UJ 57 N 4-6 Arsenic NC J 57 N 4-6 Beryllium NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Cadcium NC J 57 N 4-6 Dichlorodiffuoromethane NC J 57 N 4-6 Dichlorodiffuoromethane NC J 57 N 4-6 Dichlorodiffuoromethane NC J 57 N 4-6 Iron NC J 57 N 4-6 Iron NC J	Y5070	57 N 18-20	Magnesium	NC	ſ	Serial dilution above QC limits.
57 N 18-20 Mercury NC UJ 57 N 18-20 Selenium NC UJ 57 N 18-20 Silver NC UJ 57 N 18-20 Sodium NC J 57 N 18-20 Vanadium NC J 57 N 18-20 Vanadium NC J 57 N 18-20 Vanadium NC J 57 N 4-6 Antimony NC J 57 N 4-6 Beryllium NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Cabalt NC J 57 N 4-6 Cabalt NC J 57 N 4-6 Cabalt NC J 57 N 4-6 NC J J 57 N 4-6 NC J J 57 N 4-6 NC J	Y5070	57 N 18-20	Manganese	NC	ſ	Serial dilution above QC limits.
57 N 18-20 Pentachlorophenol NC UJ 57 N 18-20 Selenium NC UJ 57 N 18-20 Sodium NC J 57 N 18-20 Vanadium NC J 57 N 18-20 Vanadium NC J 57 N 18-20 Vanadium NC J 57 N 4-6 Acetone NC J 57 N 4-6 Arsenic NC J 57 N 4-6 Beryllium NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Cobalt NC J 57 N 4-6 Dichlorodifluoromethane NC J 57 N 4-6 NC J J 57 N 4-6 NC J J 57 N 4-6 NC<	Y5070	57 N 18-20	Mercury	NC	ſ	Serial dilution above QC limits.
57 N 18-20 Selenium NC UJ 57 N 18-20 Silver NC J 57 N 18-20 Sodium NC J 57 N 18-20 Vanadium NC J 57 N 18-20 Acetone NC J 57 N 4-6 Acetone NC UJ 57 N 4-6 Arsenic NC J 57 N 4-6 Beryllium NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Dichlorodiffuoromethane NC J 57 N 4-6 Dichlorodiffuoromethane NC J 57 N 4-6 Dichlorodiffuoromethane NC J 57 N 4-6 Iron NC J 57 N 4-6	X5070	57 N 18-20	Pentachlorophenol	NC	3	Cont. Cal. %D > +/- 20%
57 N 18-20 Silver NC R 57 N 18-20 Vanadium NC J 57 N 18-20 Vanadium NC J 57 N 18-20 Acetone NC J 57 N 4-6 Arsenic NC J 57 N 4-6 Beryllium NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Dichlorodiffuoromethane NC J 57 N 4-6 Iron NC J	Y5070	57 N 18-20	Selenium	NC	n	Matrix spike below QC criteria.
57 N 18-20 Sodium NC J 57 N 18-20 Vanadium NC J 57 N 4-6 Acetone NC J 57 N 4-6 Arsenic NC J 57 N 4-6 Beryllium NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Cadrium NC J 57 N 4-6 Dichlorodiffuoromethane NC J 57 N 4-6 Iron NC J	X5070	57 N 18-20	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
57 N 18-20 Vanadium NC J 57 N 4-6 Acetone NC UJ 57 N 4-6 Arsenic NC J 57 N 4-6 Arsenic NC J 57 N 4-6 Beryllium NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Cobalt NC J 57 N 4-6 Dichlorodifluoromethane NC J 57 N 4-6 Dichlorodifluoromethane NC J 57 N 4-6 Iron NC J 57 N 4-6 NC J Cobalt 657 N 4-6 NC J NC 57 N 4-6 NC J <	Y5070	57 N 18-20	Sodium	NC	ſ	Matrix spike below QC criteria.
57 N 14-20 Zinc JC J 57 N 4-6 Acetone NC UJ NC 57 N 4-6 Arsenic NC J NC 57 N 4-6 Beryllium NC J NC 57 N 4-6 Cadmium NC J NC 57 N 4-6 Cabalt NC J NC 57 N 4-6 Dichlorodifluoromethane NC J NC 57 N 4-6 Iron NC J NC 57 N 4-6 Dichlorodifluoromethane NC J NC 57 N 4-6 Iron NC J NC	Y5070	57 N 18-20	Vanadium	NC	ſ	Matrix spike below QC criteria.
57 N 4-6 Acetone NC UJ 57 N 4-6 Antimony NC J 57 N 4-6 Beryllium NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Calcium NC J 57 N 4-6 Dichlorodiffuoromethane NC J 57 N 4-6 Dichlorodiffuoromethane NC J 57 N 4-6 Iron NC J	Y5070	57 N 18-20	Zinc	NC	ſ	Serial dilution above QC limits.
57 N 4-6 Antimony NC R 57 N 4-6 Arsenic NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Calcium NC J 57 N 4-6 Cobalt NC J 57 N 4-6 Dichlorodifluoromethane NC UJ 57 N 4-6 Iron NC J	Y5070	57 N 4-6	Acetone	NC	Ω	Surrogate recovery high.
57 N 4-6 Arsenic NC J 57 N 4-6 Beryllium NC J 57 N 4-6 Cadrium NC J 57 N 4-6 Cobalt NC J 57 N 4-6 Dichlorodifluoromethane NC UJ 57 N 4-6 Iron NC UJ 57 N 4-6 Iron NC UJ 57 N 4-6 Lead NC J 57 N 4-6 Lead NC J 57 N 4-6 NC J NC 57 N 4-6 NC J NC	Y5070	57 N 4-6	Antimony	NC	~	Matrix spike excessively below QC criteria.
57 N 4-6 Beryllium NC J 57 N 4-6 Cadmium NC J 57 N 4-6 Cobalt NC J 57 N 4-6 Dichlorodifluoromethane NC UJ 57 N 4-6 Iron NC UJ 57 N 4-6 Iron NC J 57 N 4-6 Lead NC J 57 N 4-6 Lead NC J 57 N 4-6 NC J NC	Y5070	57 N 4-6	Arsenic	NC	7	Serial dilution above QC limits.
57 N 4-6 Cadmium NC J 57 N 4-6 Cobalt NC J 57 N 4-6 Dichlorodifluoromethane NC UJ 57 N 4-6 Iron NC J 57 N 4-6 Lead NC J 57 N 4-6 Lead NC J 57 N 4-6 Magnesium NC J	Y5070	57 N 4-6	Beryllium	NC	ר	Serial dilution above QC limits.
57 N 4-6 Calcium NC J 57 N 4-6 Dichlorodifluoromethane NC J 57 N 4-6 Iron NC J 57 N 4-6 Lead NC J 57 N 4-6 Magnesium NC J	Y5070	57 N 4-6	Cadmium	NC	r	Serial dilution above QC limits.
57 N 4-6 Cobalt NC J 57 N 4-6 Dichlorodifluoromethane NC UJ 57 N 4-6 Iron NC J 57 N 4-6 Lead NC J 57 N 4-6 Magnesium NC J	Y5070	57 N 4-6	Calcium	NC	ſ	Serial dilution above QC limits.
57 N 4-6 Dichlorodifluoromethane NC UJ 57 N 4-6 Iron NC J 57 N 4-6 Lead NC J 57 N 4-6 Magnesium NC J	Y5070	57 N 4-6	Cobalt	NC	ſ	Matrix spike below QC criteria.
57 N 4-6 Iron NC J 57 N 4-6 Lead NC J 57 N 4-6 Magnesium NC J	Y5070	57 N 4-6	Dichlorodifluoromethane	NC	m	LCS recovery low.
57 N 4-6 Lead NC J 57 N 4-6 Magnesium NC J	Y5070	57 N 4-6	Iron	NC	7	Serial dilution above QC limits.
57 N 4-6 Magnesium NC J	Y5070	57 N 4-6	Lead	NC	ſ	Serial dilution above QC limits.
	Y5070	57 N 4-6	Magnesium	NC	ר	Serial dilution above QC limits.

Table 2 Spaulding Fibre Site Data Qualification Summary

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u	ve QC limits.	ve QC limits.	v QC criteria.	ost digestion spike performed.	v QC criteria.	v QC criteria.	ve QC limits.	below QC criteria.	ve QC limits.	ve QC limits.	ve QC limits.	ve QC limits.	v QC criteria.	ve QC limits.	ve QC limits.	ve QC limits.	ve QC limits.	v QC criteria.	ost digestion spike performed.	v QC criteria.	v QC criteria.	ve QC limits.	wery high.	iry low.	> +/- 25%	r below QC criteria.	ve QC limits.	ve QC limits.	ve QC limits.	ve QC limits.	v QC criteria.	ary low.	ve QC limits.	ive QC limits.	
Reason	Serial dilution above QC limits	Serial dilution above QC limits.	Matrix spike below QC criteria	Matrix spike below QC criteria, no post digestion spike performed.	Matrix spike below QC criteria	Matrix spike below QC criteria	Serial dilution above QC limits.	Matrix spike excessively below QC criteria	Serial dilution above QC limits	Matrix spike below QC criteria	Serial dilution above QC limits.	Serial dilution above QC limits.	Serial dilution above QC limits	Serial dilution above QC limits.	Matrix spike below QC criteria.	Matrix spike below QC criteria, no post digestion spike performed.	Matrix spike below QC criteria	Matrix spike below QC criteria.	Serial dilution above QC limits	Surrogate recovery high.	LCS recovery low.	Cont. Cal. %D > +/- 25%	Matrix spike excessively below QC criteria.	Serial dilution above QC limits.	Matrix spike below QC criteria	LCS recovery low.	Serial dilution above QC limits.	Serial dilution above QC limits.							
Qualifier	٦	ſ	3	~	7	7	7	2	3	ſ	ſ	7	n	7	7	7	7	3	~	S	3	-	3	3	n	8	ſ	ſ	ר	7	7	3	7	ſ	
New Result Qualifier	NC	NC	NC	NC	SC	NC	SC	SC	SC	NC	SC	NC	NC	SC	SC	SC	SC	SC	NC	NC	NC	SC	S	Š	S	NC	NC	NC	S	S	Š	S	Š	SC	
Constituent(s)	Manganese	Mercury	Selenium	Silver	Sodium	Vanadium	Zinc	Antimony	Arsenic	Beryllium	Cadmium	Calcium	Cobalt	Iron	Lead	Magnesium	Manganese	Selenium	Silver	Sodium	Vanadium	Zinc	Acetone	Dichlorodifluoromethane	2,4-Dinitrophenol	Antimony	Arsenic	Beryllium	Cadmium	Calcium	Cobalt	Dichlorodifluoromethane	Iron	Lead	
Sample Name	57 N 4-6	57 N 4-6	57 N 4-6	57 N 4-6	57 N 4-6	57 N 4-6	57 N 4-6	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6 DL	57 N 4-6RE	57 N 4-6RE	57 N 9-11	57 N 9-11	57 N 9-11	57 N 9-11	57 N 9-11	57 N 9-11	57 N 9-11	57 N 9-11	57 N 9-11	57 N 9-11	
SDG	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	X5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	X5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	

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Table 2 Spaulding Fibre Site Data Qualification Summary

Y5070 Y5070					
020	57 N 9-11	Mercury	NC	ſ	Serial dilution above QC limits.
	57 N 9-11	Mercury	0.01	n	Prep blank contamination.
Y5070	57 N 9-11	Pentachlorophenol	NC	n	Cont. Cal. %D > +/- 20%
Y5070	57 N 9-11	Selenium	NC	m	Matrix spike below QC criteria.
Y5070	57 N 9-11	Silver	NC	æ	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	57 N 9-11	Sodium	NC	ſ	Matrix spike below QC criteria.
Y5070	57 N 9-11	Vanadium	NC	ſ	Matrix spike below QC criteria.
Y5070	57 N 9-11	Zinc	NC	ſ	Serial dilution above QC limits.
Y5070	58 F 0-2	1,2-Dichloroethane	NC	Я	Surrogate recovery below 10%.
Y5070	58 F 0-2	1,2-Dichloropropane	NC	ч	Surrogate recovery below 10%.
Y5070	58 F 0-2	Antimony	NC	7	Matrix spike excessively below QC criteria.
Y5070	58 F 0-2	Arsenic	SC	7	Serial dilution above QC limits.
Y5070	58 F 0-2	Benzene	SC	œ	Surrogate recovery below 10%.
Y5070	58 F 0-2	Beryllium	NC	J.	Serial dilution above QC limits.
Y5070	58 F 0-2	Bromodichloromethane	SC	ፚ	Surrogate recovery below 10%.
Y5070	58 F 0-2	Cadmium	NC	ſ	Serial dilution above QC limits.
Y5070	58 F 0-2	Calcium	NC	ſ	Serial dilution above QC limits.
Y5070	58 F 0-2	Carbon Tetrachloride	NC	Я	Surrogate recovery below 10%.
Y5070	58 F 0-2	Cobalt	NC	J	Matrix spike below QC criteria.
Y5070	58 F 0-2	Dichlorodifluoromethane	NC	m	LCS recovery low.
Y5070	58 F 0-2	Iron	NC	ſ	Serial dilution above QC limits.
Y5070	58 F 0-2	Lead	NC	ſ	Serial dilution above QC limits.
Y5070	58 F 0-2	Magnesium	NC	ſ	Serial dilution above QC limits.
Y5070	58 F 0-2	Manganese	NC	Ŋ	Serial dilution above QC limits.
Y5070	58 F 0-2	Mercury	NC	ſ	Serial dilution above QC limits.
Y5070	58 F 0-2	Methylcyclohexane	NC	Я	Surrogate recovery below 10%.
Y5070	58 F 0-2	Selenium	NC	m	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	Я	Surrogate recovery below 10%.
Y5070	58 F 0-2	Vanadium	NC	ſ	Matrix spike below QC criteria.
Y5070	58 F 0-2	Zinc	NC	ŗ	Serial dilution above QC limits.
Y5070	58 F 0-2	Acetone	SC	ſ	Surrogate recovery high.
Y5070	58 F 0-2 DL	2,4-Dinitrophenol	S	3	Cont. Cal. %D > +/- 25%
Y5070	58 F 0-2 DL	Antimony	NC	22	Matrix spike excessively below QC criteria.
Y5070	58 F 0-2 DL	Arsenic	NC	W	Serial dilution above QC limits.

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Table 2 Spaulding Fibre Site Data Qualification Summary

Y5070	58 F 0-2 DI				
Y5070 Y5070 Y5070 Y5070 Y5070 Y5070 Y5070 Y5070 Y5070		Beryllium	NC	ſ	Serial dilution above QC limits.
Y5070 Y5070 Y5070 Y5070 Y5070 Y5070 Y5070 Y5070	58 F 0-2 DL	Cadmium	NC	ſ	Serial dilution above QC limits.
0,00,00	58 F 0-2 DL	Calcium	NC	ŗ	Serial dilution above QC limits.
Y5070 Y5070 Y5070 Y5070 Y5070	58 F 0-2 DL	Cobalt	NC	״	Matrix spike below QC criteria.
0,0,0	58 F 0-2 DL	Iron	NC	ſ	Serial dilution above QC limits.
0 0 0	58 F 0-2 DL	Lead	NC	ſ	Serial dilution above QC limits.
Y5070 Y5070 V5070	58 F 0-2 DL	Magnesium	NC	ſ	Serial dilution above QC limits.
Y5070	58 F 0-2 DL	Manganese	NC	7	Serial dilution above QC limits.
	58 F 0-2 DL	Selenium	NC	ß	Matrix spike below QC criteria.
^	58 F 0-2 DL	Silver	NC	2	Matrix spike below QC criteria, no post digestion spike performed.
Y5070	58 F 0-2 DL	Sodium	NC	ı	Matrix spike below QC criteria.
Y5070	58 F 0-2 DL	Vanadium	NC	S	Matrix spike below QC criteria.
Y5070	58 F 0-2 DL	Zinc	NC	ſ	Serial dilution above QC limits.
Y5070	58 F 0-2RE	1,1,2,2-Tetrachloroethane	NC	m	Surrogate recovery low.
Y5070	58 F 0-2RE	1,2,4-Trichlorobenzene	NC	m	Surrogate recovery low.
Y5070	58 F 0-2RE	1,2-Dibromo-3-Chloroprpane	NC	ΩĴ	Surrogate recovery low.
Y5070	58 F 0-2RE	1,2-Dichlorobenzene	NC	Ωĵ	Surrogate recovery low.
Y5070	58 F 0-2RE	1,2-Dichloroethane	NC	Ωĵ	Surrogate recovery low.
Y5070	58 F 0-2RE	1,2-Dichloropropane	SC	m	Surrogate recovery low.
Y5070	58 F 0-2RE	1,3-Dichlorobenzene	NC	ß	Surrogate recovery low.
Y5070	58 F 0-2RE	1,4-Dichlorobenzene	NC	ß	Surrogate recovery low.
Y5070	58 F 0-2RE	2-Butanone	NC	J	Surrogate recovery high.
Y5070	58 F 0-2RE	Acetone	NC	Ŋ	Surrogate recovery high.
Y5070	58 F 0-2RE	Benzene	NC	m	Surrogate recovery low.
Y5070	58 F 0-2RE	Bromodichloromethane	NC	m	Surrogate recovery low.
Y5070	58 F 0-2RE	Bromoform	NC	m	Surrogate recovery low.
Y5070	58 F 0-2RE	Carbon Tetrachloride	NC	m	Surrogate recovery low.
Y5070	58 F 0-2RE	Chlorobenzene	NC	Ωĵ	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	n	Surrogate recovery low.
Y5070	58 F 0-2RE	M/P-Xylenes	NC	J	Surrogate recovery low.
Y5070	58 F 0-2RE	Methylcyclohexane	NC	m	Surrogate recovery low.
Y5070	58 F 0-2RE	O-Xylenes	NC	J	Surrogate recovery low.
Y5070	58 F 0-2RE	Styrene	NC	n	Surrogate recovery low.
Y5070	58 F 0-2RE	Tetrachloroethene	NC	m	Surrogate recovery low.

Table 2
Spaulding Fibre Site
Data Qualification Summary

Antimony
Arsenic
Beryllium
Cadmium
Calcium
Cobalt
Dichlorodifluoromethane
lron
Lead
Magnesium
Manganese
Mercury
Selenium
Silver
Sodium
Vanadium
Zinc
2,4-Dinitrophenol
Antimony
Arsenic
Beryllium
Cadmium
Calcium
Cobalt
Iron
Lead
Magnesium
Manganese
Selenium
Silver
Sodium
Vanadium
Zinc
1,1,2,2-Tetrachloroethane
58 F 4-6 58

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Spaulding Fibre Site Data Qualification Summary

Reason	Internal Standard extremely low.	LCS recovery low.	Internal Standard extremely low.	Matrix spike excessively below QC criteria.	Serial dilution above QC limits.	Matrix spike below QC criteria.	LCS recovery low.	Serial dilution above QC limits.	Matrix spike below QC criteria.	Matrix spike below QC criteria, no post digestion spike performed.	Matrix spike below QC criteria.	Matrix spike below QC criteria.	Serial dilution above QC limits.	Matrix spike excessively below QC criteria.	Serial dilution above QC limits.	Matrix spike below QC criteria.	Serial dilution above QC limits.	Matrix spike below QC criteria.	Matrix spike below QC criteria, no post digestion spike performed.																	
Qualifier	Ж	Ж	æ	Ж	ፚ	m	œ	æ	ſ	ſ	ſ	ſ	ſ	rn	ſ	ſ	ſ	ſ	ſ	m	~	ſ	ſ	7	8	'n	ſ	rn	ſ	ſ	r	ſ	ſ	ſ	m	~
New Result	SC	NC	SC	NC	SC	NC	S	S	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	S	NC	NC	NC	NC	SC	NC	NC	NC	SC	NC	NC	NC	NC	NC	NC
Constituent(s)	1,2-Dibromo-3-Chloroprpane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Bromoform	Dichlorodifluoromethane	Isopropylbenzene	Antimony	Arsenic	Beryllium	Cadmium	Calcium	Cobalt	Dichlorodifluoromethane	Iron	Lead	Magnesium	Manganese	Mercury	Selenium	Silver	Sodium	Vanadium	Zinc	Antimony	Arsenic	Beryllium	Cadmium	Calcium	Cobalt	lron	Lead	Magnesium	Manganese	Selenium	Silver
Sample Name	58 F 4-6RE	58 F 4-6RE	58 F 4-6RE	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14	58 N 13-14 DL	58 N 13-14 DL	58 N 13-14 DL	58 N 13-14 DL	58 N 13-14 DL	58 N 13-14 DL	58 N 13-14 DL	58 N 13-14 DL	58 N 13-14 DL	58 N 13-14 DL	58 N 13-14 DL	58 N 13-14 DL				
SDG	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	X5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070	Y5070

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Table 2
Spaulding Fibre Site
Data Qualification Summary

Y5070 58 N 13-14 DL Y5070 58 N 13-14 DL Y5070 58 N 13-14 DL Y5070 58 N 13-14 RE Y5070 58 N 13-14 RE Y5070 58.1 F 2-4 X5070 58.1 F 2-4 X5070 58.1 F 2-4 X5070 58.1 F 2-4 X5070 58.1 F 2-4 X5070 <th< th=""><th>Sodium</th><th>NC</th><th>ſ</th><th></th></th<>	Sodium	NC	ſ	
			_	Matrix spike below QC criteria.
	Vanadium	NC	ſ	Matrix spike below QC criteria.
	Zinc	NC	٦	Serial dilution above QC limits.
	Dichlorodifluoromethane	NC	Ω	LCS recovery low.
	1,1,2,2-Tetrachloroethane	NC	Я	Internal Standard extremely low.
	1,2,4-Trichlorobenzene	NC	Я	Internal Standard extremely low.
	1,2-Dibromo-3-Chloroprpane	NC	Я	Internal Standard extremely low.
	1,2-Dichlorobenzene	NC	Я	Internal Standard extremely low.
	1,2-Dichloroethane	NC	m	Surrogate recovery low.
	1,2-Dichloropropane	NC	Ω	Surrogate recovery low.
	1,3-Dichlorobenzene	NC	Я	Internal Standard extremely low.
	1,4-Dichlorobenzene	S	2	Internal Standard extremely low.
	Antimony	NC	22	Matrix spike excessively below QC criteria.
	Arsenic	NC	ſ	Serial dilution above QC limits.
	Benzene	NC	Ω	Surrogate recovery low.
	Beryllium	NC	ſ	Serial dilution above QC limits.
	Bromodichloromethane	NC	m	Surrogate recovery low.
	Bromoform	NC	Ω	Surrogate recovery low.
	Cadmium	NC	ſ	Serial dilution above QC limits.
	Calcium	NC	ſ	Serial dilution above QC limits.
	Carbon Tetrachloride	NC	n	Surrogate recovery low.
	Chlorobenzene	NC	UJ	Surrogate recovery low.
	Cobalt	NC	Ŋ	Matrix spike below QC criteria.
	Dichlorodifluoromethane	NC	UJ	LCS recovery low.
	Ethylbenzene	NC	NJ	Surrogate recovery low.
	Iron	NC	ſ	Serial dilution above QC limits.
	Isopropylbenzene	NC	Ж	Internal Standard extremely low.
	Lead	NC	ר	Serial dilution above QC limits.
	M/P-Xylenes	NC	m	Surrogate recovery low.
Y5070 58.1 F 2-4	Magnesium	NC	ſ	Serial dilution above QC limits.
Y5070 58.1 F 2-4	Manganese	NC	ſ	Serial dilution above QC limits.
	Mercury	NC	- -	Serial dilution above QC limits.
	Methylcyclohexane	SC	3	Surrogate recovery low.
	O-Xylenes	S	3	Surrogate recovery low.
	Selenium	NC	י	Matrix spike below QC criteria.
Y5070 58.1 F 2-4	Silver	NC	ĸ	Matrix spike below QC criteria, no post digestion spike performed.

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Table 2 Spaulding Fibre Site Data Qualification Summary

Y5070 58.1 F 2-4 Y5070 58.1 F 2-4 Y5070 58.1 F 2-4 Y5070 58.1 F 2-4 Y5070 58.1 F 2-4 RE Y5070 58.1	Sodium Styrene Tetrachloroethene Trichloroethene Vanadium Zinc 1,1,2,2-Tetrachloroethane 1,2,4-Trichlorobenzene 1,2-Dibromo-3-Chloroprpane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene Acetone			Matrix spike below QC criteria. Surrogate recovery low. Surrogate recovery low. Surrogate recovery low. Matrix spike below QC criteria.
	Styrene Tetrachloroethene Trichloroethene Vanadium Zinc 1,1,2,2-Tetrachloroethane 1,2,4-Trichlorobenzene 1,2-Dibromo-3-Chloroprpane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Acetone			Surrogate recovery low. Surrogate recovery low. Surrogate recovery low. Matrix spike below QC criteria.
	Tetrachloroethene Trichloroethene Vanadium Zinc 1,1,2,2-Tetrachloroethane 1,2,4-Trichlorobenzene 1,2-Dibromo-3-Chloroprpane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Acetone		33728888	Surrogate recovery low. Surrogate recovery low. Matrix spike below QC criteria.
	Trichloroethene Vanadium Zinc 1,1,2,2-Tetrachloroethane 1,2,4-Trichlorobenzene 1,2-Dibromo-3-Chloroprpane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Acetone	N N N N N N N N N N N N N N N N N N N	3 - 2 2 2	Surrogate recovery low. Matrix spike below QC criteria.
	Vanadium Zinc 1,1,2,2-Tetrachloroethane 1,2,4-Trichlorobenzene 1,2-Dibromo-3-Chloroprpane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Acetone	NC N		Matrix spike below QC criteria.
	Zinc 1,1,2,2-Tetrachloroethane 1,2,4-Trichlorobenzene 1,2-Dibromo-3-Chloroprpane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Acetone	NC N	→ R R R R	
	1,1,2,2-Tetrachloroethane 1,2,4-Trichlorobenzene 1,2-Dibromo-3-Chloroprpane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Acetone	NC NC NC	w	Serial dilution above QC limits.
	1,2,4-Trichlorobenzene 1,2-Dibromo-3-Chloroprpane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Acetone	NC NC	따 따 따	Internal Standard extremely low.
	1,2-Dibromo-3-Chloroprpane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Acetone	NC NC	x x	Internal Standard extremely low.
	1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Acetone	NC	R	Internal Standard extremely low.
	1,3-Dichlorobenzene 1,4-Dichlorobenzene Acetone	NC	-	Internal Standard extremely low.
	1,4-Dichlorobenzene Acetone		Я	Internal Standard extremely low.
	Acetone	NC	Я	Internal Standard extremely low.
		NC	ſ	Surrogate recovery high.
	Bromoform	NC	Ωĵ	Surrogate recovery low.
	Chlorobenzene	NC	m	Surrogate recovery low.
	Dichlorodifluoromethane	NC	n	LCS recovery low.
	Ethylbenzene	NC	n	Surrogate recovery low.
130/U 38.1 F 2-4KE	Isopropylbenzene	NC	R	Internal Standard extremely low.
Y5070 58.1 F 2-4RE	M/P-Xylenes	NC	n	Surrogate recovery low.
X5070 58.1 F 2-4RE	O-Xylenes	NC	nı	Surrogate recovery low.
X5070 58.1 F 2-4RE	Styrene	NC	n	Surrogate recovery low.
Y5070 58.1 F 2-4RE	Tetrachloroethene	NC	ΩĴ	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.
	Beryllium	NC	ſ	Serial dilution above QC limits.
	Cadmium	NC	ſ	Serial dilution above QC limits.
Y5070 58.1 N 11-12	Calcium	NC	י	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	nı	LCS recovery low.
Y5070 58.1 N 11-12	Iron	NC	J	Serial dilution above QC limits.
X5070 58.1 N 11-12	Lead	NC	J	Serial dilution above QC limits.
	Magnesium	NC	7	Serial dilution above QC limits.
	Manganese	NC	7	Serial dilution above QC limits.
	Mercury	NC	٦	Serial dilution above QC limits.
Y5070 58.1 N 11-12	Selenium	NC	n	Matrix spike below QC criteria.

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Table 2 Spaulding Fibre Site Data Qualification Summary

58.1 N 11-12 Silver NC J 58.1 N 11-12 Sodium NC J 58.1 N 11-12 DL Antimory NC J 58.1 N 11-12 DL Antimory NC J 58.1 N 11-12 DL Antimory NC J 58.1 N 11-12 DL Cadmium NC J 58.1 N 11-12 DL Selventum NC J 58.1 N 11-12 DL Selventum </th <th>SDG</th> <th>Sample Name</th> <th>Constituent(s)</th> <th>New Result</th> <th>Qualifier</th> <th>Reason</th>	SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
58.1 N 11-12 Sodium NC J 58.1 N 11-12 Vanadium NC J 58.1 N 11-12 DL Arisenic NC ND 58.1 N 11-12 DL Arisenic NC J 58.1 N 11-12 DL Cadrium NC J 58.1 N 11-12 DL Lead NC J 58.1 N 11-12 DL Selentum	Y5070	58.1 N 11-12	Silver	NC	R	Matrix spike below QC criteria, no post digestion spike performed.
58.1 N 11-12 Vanadium NC J 58.1 N 11-12 DL Aratinony NC J 58.1 N 11-12 DL Aratinony NC J 58.1 N 11-12 DL Aratinony NC J 58.1 N 11-12 DL Beryllium NC J 58.1 N 11-12 DL Cadrhum NC J 58.1 N 11-12 DL Cadrhum NC J 58.1 N 11-12 DL Lead NC J 58.1 N 11-12 DL Lead NC J 58.1 N 11-12 DL Magnesium NC J 58.1 N 11-12 DL Selenium NC J 58.1 N 11-12 DL Saliner	Y5070	58.1 N 11-12	Sodium	NC	ſ	Matrix spike below QC criteria.
58.1 N 11-12 DL Antitinony NC J 58.1 N 11-12 DL Arsenic NC UJ 58.1 N 11-12 DL Cadrium NC UJ 58.1 N 11-12 DL Cadrium NC UJ 58.1 N 11-12 DL Cadrium NC UJ 58.1 N 11-12 DL Calcium NC UJ 58.1 N 11-12 DL Calcium NC UJ 58.1 N 11-12 DL Magganese NC UJ 58.1 N 11-12 DL Salenium NC UJ 58.1 N 4-5	Y5070	58.1 N 11-12	Vanadium	NC	ſ	Matrix spike below QC criteria.
S8.1 N 11-12 DL Antimony NC W S8.1 N 11-12 DL Arsenic NC J S8.1 N 11-12 DL Cadrium NC J S8.1 N 11-12 DL Lead NC J S8.1 N 11-12 DL Magnesium NC J S8.1 N 11-12 DL Selenium NC J S8.1 N 11-12 DL Selenium<	Y5070	58.1 N 11-12	Zinc	NC	ſ	Serial dilution above QC limits.
S8.1 N 11-12 DL Arsenic NC J S8.1 N 11-12 DL Cadmium NC J S8.1 N 11-12 DL Cadmium NC J S8.1 N 11-12 DL Calcium NC J S8.1 N 11-12 DL Iron NC J S8.1 N 11-12 DL Lead NC J S8.1 N 11-12 DL Magnesium NC J S8.1 N 11-12 DL Magnesium NC J S8.1 N 11-12 DL Salenium NC J S8.1 N 11-12 DL Salenium NC J S8.1 N 11-12 DL Salenium NC J S8.1 N 11-12 DL Vanadium NC J S8.1 N 11-12 DL Vanadium NC J S8.1 N 11-12 DL Salenium NC J S8.1 N 11-12 DL Salenium <td>Y5070</td> <td>58.1 N 11-12 DL</td> <td>Antimony</td> <td>NC</td> <td>R</td> <td>Matrix spike excessively below QC criteria.</td>	Y5070	58.1 N 11-12 DL	Antimony	NC	R	Matrix spike excessively below QC criteria.
58.1 N 11-12 DL Beryllium NC Ju 58.1 N 11-12 DL Cadmium NC Ju 58.1 N 11-12 DL Cobalt NC Ju 58.1 N 11-12 DL Lead NC Ju 58.1 N 11-12 DL Magnesium NC Ju 58.1 N 11-12 DL Manganesse NC Ju 58.1 N 11-12 DL Selenium NC Ju 58.1 N 11-12 DL Salenium NC Ju 58.1 N 11-12 DL Selenium NC Ju 58.1 N 11-12 DL Salenium NC Ju 58.1 N 11-12 DL Vanadium NC Ju 58.1 N 11-12 DL Acetone NC Ju 58.1 N 11-12 DL Selenium NC Ju 58.1 N 11-12 DL Selenium NC Ju 58.1 N 14-5	Y5070	58.1 N 11-12 DL	Arsenic	NC	n	Serial dilution above QC limits.
58.1 N 11-12 DL Cadmium NC UD 58.1 N 11-12 DL Calcium NC J 58.1 N 11-12 DL Lead NC J 58.1 N 11-12 DL Manganesium NC J 58.1 N 11-12 DL Selenium NC J 58.1 N 11-12 DL Soliver NC J 58.1 N 11-12 RE Action NC J 58.1 N 11-12 RE Sol N 4-5 Beryllium NC J 58 N 4-5 Beryllium NC J 59 N 4-5	Y5070	58.1 N 11-12 DL	Beryllium	NC	ſ	Serial dilution above QC limits.
58.1 N 11-12 DL Calcium NC J 58.1 N 11-12 DL Iron NC J 58.1 N 11-12 DL Magnesium NC J 58.1 N 11-12 DL Manganesium NC J 58.1 N 11-12 DL Selenium NC J 58.1 N 11-12 DL Selenium NC J 58.1 N 11-12 DL Soldium NC J 58.1 N 11-12 RE Action NC J 58.1 N 11-12 RE Action NC J 58.1 N 11-12 RE Sol N 4-5 Beryllium NC J 59 N 4-5	Y5070	58.1 N 11-12 DL	Cadmium	NC	m	Serial dilution above QC limits.
58.1 N 11-12 DL Cobalt NC J 58.1 N 11-12 DL Iron NC J 58.1 N 11-12 DL Magnesium NC J 58.1 N 11-12 DL Selenium NC J 58.1 N 11-12 DL Sodium NC J 58.1 N 11-12 DL Zinc NC J 58.1 N 11-12 DL Sin N 4-5 Acetone NC J 58.1 N 11-12 DL Sin N 4-5 Arsenic NC J 59 N 4-5 Dichlorodifflucromethane NC J 59 N	Y5070	58.1 N 11-12 DL	Calcium	NC	ſ	Serial dilution above QC limits.
58.1 N 11-12 DL Iron NC J 58.1 N 11-12 DL Magnesium NC J 58.1 N 11-12 DL Manganese NC J 58.1 N 11-12 DL Selenium NC J 58.1 N 11-12 DL Selenium NC J 58.1 N 11-12 DL Sodium NC J 58.1 N 11-12 DL Zatolinitrophenol NC J 58.1 N 11-12 DL Zatolinitrophenol NC J 58.1 N 11-12 DL Zatolinitrophenol NC J 58.1 N 11-12 RE Dichlorodiffluoromethane NC J 59 N 4-5 Cadenium NC J 59 N 4-5 Dic	Y5070	58.1 N 11-12 DL	Cobalt	NC	ſ	Matrix spike below QC criteria.
58.1 N 11-12 DL Lead NC J 58.1 N 11-12 DL Manganese NC J 58.1 N 11-12 DL Selenium NC J 58.1 N 11-12 DL Seliver NC J 58.1 N 11-12 DL Zinc NC J 59 N 4-5 Artimony NC J 59 N 4-5 Codelium NC J 59 N 4-5 Iron NC J 59 N 4-5 Iron NC J <t< td=""><td>Y5070</td><td>58.1 N 11-12 DL</td><td>Iron</td><td>NC</td><td>ſ</td><td>Serial dilution above QC limits.</td></t<>	Y5070	58.1 N 11-12 DL	Iron	NC	ſ	Serial dilution above QC limits.
58.1 N 11-12 DL Magnesium NC J 58.1 N 11-12 DL Selenium NC J 58.1 N 11-12 DL Selenium NC U 58.1 N 11-12 DL Silver NC J 58.1 N 11-12 DL Sodium NC J 58.1 N 11-12 DL Zinc NC J 58 N 4-5 Arsenic NC J 59 N 4-5 Cadcium NC J 59 N 4-5 Cadcium NC J 59 N 4-5 Cadcium NC J 59 N 4-5 Iron NC J	Y5070	58.1 N 11-12 DL	Lead	NC	ſ	Serial dilution above QC limits.
58.1 N 11-12 DL Manganese NC J 58.1 N 11-12 DL Selenium NC UJ 58.1 N 11-12 DL Silver NC J 58.1 N 11-12 DL Sodium NC J 58.1 N 11-12 DL Zinc NC J 58.1 N 11-12 DL Zi-Dinitrophenol NC J 58.1 N 11-12 RE Actione NC J 58 N 4-5 Arsenic NC J 59 N 4-5 Cadcium NC J 59 N 4-5 Cadcium NC J 59 N 4-5 Cobalt NC J 59 N 4-5 Iron NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Magnesium <t< td=""><td>Y5070</td><td>58.1 N 11-12 DL</td><td>Magnesium</td><td>NC</td><td>ſ</td><td>Serial dilution above QC limits.</td></t<>	Y5070	58.1 N 11-12 DL	Magnesium	NC	ſ	Serial dilution above QC limits.
58.1 N 11-12 DL Selenium NC UJ 58.1 N 11-12 DL Sodium NC J 58.1 N 11-12 DL Vanadium NC J 58.1 N 11-12 DL Zinc NC J 59 N 4-5 Dichlorodifluoromethane NC J 59 N 4-5 Cadrium NC J 59 N 4-5 Dichlorodifluoromethane NC J 59 N 4-5 Iron NC J 59 N 4-5 Iron NC J	Y5070	58.1 N 11-12 DL	Manganese	NC	ſ	Serial dilution above QC limits.
58.1 N 11-12 DL Solium NC A 58.1 N 11-12 DL Vanadium NC J J 58.1 N 11-12 DL Zinc NC J J 58.1 N 11-12 DL Z,4-Dinitrophenol NC J L 58.1 N 11-12 RE Acetone NC J L 58.1 N 11-12 RE Dichlorodifluoromethane NC J L 58 N 4-5 Arsenic NC J L 59 N 4-5 Arsenic NC J L 59 N 4-5 Cadmium NC J L 59 N 4-5 Dichlorodifluoromethane NC J J 59 N 4-5 Lead NC J J 59 N 4-5 Magnesium NC J J 59 N 4-5 Magnesium	Y5070	58.1 N 11-12 DL	Selenium	NC	m	Matrix spike below QC criteria.
58.1 N 11-12 DL Sodium NC J 58.1 N 11-12 DL Vanadium NC J 58.1 N 11-12 DL Zinc NC J 58.1 N 11-12 DL Zinc NC J 58.1 N 11-12 RE Acetone NC J 58.1 N 11-12 RE Acetone NC J 58.1 N 11-12 RE Acetone NC J 58 N 4-5 Antimony NC J 59 N 4-5 Arsenic NC J 59 N 4-5 Cadmium NC J 59 N 4-5 Cadmium NC J 59 N 4-5 Calcium NC J 59 N 4-5 Dichlorodiffucromethane NC J 59 N 4-5 Lead NC J 59 N 4-5 Magnesium NC J	Y5070	58.1 N 11-12 DL	Silver	NC	æ	Matrix spike below QC criteria, no post digestion spike performed.
58.1 N 11-12 DL Vanadium NC J 58.1 N 11-12 DL Zinc NC J 58.1 N 11-12 DL Z,4-Dinitrophenol NC J 58.1 N 11-12 RE Acetone NC J 58.1 N 11-12 RE Dichlorodiffuoromethane NC J 58.1 N 11-12 RE Dichlorodiffuoromethane NC UJ 58 N 4-5 Cadmium NC J 59 N 4-5 Calcium NC J 59 N 4-5 Cobalt NC J 59 N 4-5 Dichlorodiffuoromethane NC J 59 N 4-5 Magnesium NC J 59 N 4-5	Y5070	58.1 N 11-12 DL	Sodium	NC	ſ	Matrix spike below QC criteria.
58.1 N 11-12 DL Zinc NC J 58.1 N 11-12DL 2,4-Dinitrophenol NC J 58.1 N 11-12RE Acetone NC J 58.1 N 11-12RE Dichlorodifluoromethane NC J 58.1 N 11-12RE Dichlorodifluoromethane NC UJ 59 N 4-5 Arsenic NC J 59 N 4-5 Cadmium NC J 59 N 4-5 Cadmium NC J 59 N 4-5 Calcium NC J 59 N 4-5 Dichlorodifluoromethane NC J 59 N 4-5 Iron NC J 59 N 4-5 Magnesium NC J	Y5070	58.1 N 11-12 DL	Vanadium	NC	ſ	Matrix spike below QC criteria.
58.1 N 11-12DL 2,4-Dinitrophenol NC UJ 58.1 N 11-12RE Acetone NC J 58.1 N 11-12RE Dichlorodifluoromethane NC UJ 58.1 N 11-12RE Dichlorodifluoromethane NC UJ 59 N 4-5 Beryllium NC J 59 N 4-5 Cadmium NC J 59 N 4-5 Cabrilium NC J 59 N 4-5 Cadrium NC J 59 N 4-5 Dichlorodifluoromethane NC J 59 N 4-5 Dichlorodifluoromethane NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Manganese NC J 59 N 4-5 Maercury NC J 59 N 4-5 Mercury NC J 59 N 4-5 Mercury NC J	Y5070	58.1 N 11-12 DL	Zinc	NC	ſ	Serial dilution above QC limits.
58.1 N 11-12RE Acetone NC J 58.1 N 11-12RE Dichlorodifluoromethane NC UJ 59 N 4-5 Antimony NC J 59 N 4-5 Arsenic NC J 59 N 4-5 Cadmium NC J 59 N 4-5 Calcium NC J 59 N 4-5 Cobalt NC J 59 N 4-5 Dichlorodifluoromethane NC J 59 N 4-5 Iron NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Managnesium NC J <t< td=""><td>Y5070</td><td>58.1 N 11-12DL</td><td>2,4-Dinitrophenol</td><td>NC</td><td>m</td><td>Cont. Cal. %D > +/- 25%</td></t<>	Y5070	58.1 N 11-12DL	2,4-Dinitrophenol	NC	m	Cont. Cal. %D > +/- 25%
58.1 N 11-12RE Dichlorodifluoromethane NC UJ 59 N 4-5 Antimony NC J 59 N 4-5 Beryllium NC J 59 N 4-5 Cadmium NC J 59 N 4-5 Calcium NC J 59 N 4-5 Cobalt NC J 59 N 4-5 Dichlorodifluoromethane NC J 59 N 4-5 Iron NC J 59 N 4-5 Iron NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Manganese NC J 59 N 4-5 Manganese NC J 59 N 4-5 Marcury NC J 59 N 4-5 Marcury NC J 59 N 4-5 Marcury NC J	V5070	58.1 N 11-12RE	Acetone	NC	ſ	Surrogate recovery high.
59 N 4-5 Antimony NC R 59 N 4-5 Arsenic NC J N 59 N 4-5 Beryllium NC J N 59 N 4-5 Cadrium NC J N 59 N 4-5 Cobalt NC J N 59 N 4-5 Dichlorodifluoromethane NC J N 59 N 4-5 Iron NC J N 59 N 4-5 Magnesium NC J N 59 N 4-5 Manganese NC J N 59 N 4-5 Manganesium NC J N 59 N 4-5 Manganese NC J N 59 N 4-5 Marcury NC J N 59 N 4-5 Maccury NC J N 59 N 4-5 Maccury NC J N	X2070	58.1 N 11-12RE	Dichlorodifluoromethane	NC	m	LCS recovery low.
59 N 4-5 Arsenic NC J 59 N 4-5 Beryllium NC J 59 N 4-5 Cadrium NC J 59 N 4-5 Cobalt NC J 59 N 4-5 Dichlorodifluoromethane NC J 59 N 4-5 Iron NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Manganese NC J	Y5070	59 N 4-5	Antimony	NC	R	Matrix spike excessively below QC criteria.
59 N 4-5 Beryllium NC J 59 N 4-5 Cadmium NC J 59 N 4-5 Cobalt NC J 59 N 4-5 Dichlorodifluoromethane NC J 59 N 4-5 Iron NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Manganesium NC J 59 N 4-5 Manganesium NC J 59 N 4-5 Marcury NC J 59 N 4-5 Marcury NC J 59 N 4-5 Selenium NC J	Y5070	59 N 4-5	Arsenic	NC	ſ	Serial dilution above QC limits.
59 N 4-5 Cadmium NC J 59 N 4-5 Calcium NC J 59 N 4-5 Dichlorodifluoromethane NC J 59 N 4-5 Iron NC J 59 N 4-5 Lead NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Manganesium NC J 59 N 4-5 Mercury NC J 59 N 4-5 Mercury NC J 59 N 4-5 Mercury NC J	Y5070	59 N 4-5	Beryllium	NC	ſ	Serial dilution above QC limits.
59 N 4-5 Calcium NC J 59 N 4-5 Cobalt NC J 59 N 4-5 Dichlorodifluoromethane NC UJ 59 N 4-5 Iron NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Manganese NC J 59 N 4-5 Mercury NC J 59 N 4-5 Mercury NC J 59 N 4-5 Mercury NC J	Y5070	59 N 4-5	Cadmium	NC	ſ	Serial dilution above QC limits.
59 N 4-5 Cobalt NC J 59 N 4-5 Dichlorodifluoromethane NC UJ 59 N 4-5 Iron NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Manganese NC J 59 N 4-5 Mercury NC J 59 N 4-5 Mercury NC J 59 N 4-5 Selenium NC J	Y5070	59 N 4-5	Calcium	NC	ſ	Serial dilution above QC limits.
59 N 4-5 Dichlorodiffuoromethane NC UJ 59 N 4-5 Iron NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Manganese NC J 59 N 4-5 Mercury NC J 59 N 4-5 Mercury NC J 59 N 4-5 Selenium NC J	Y5070	59 N 4-5	Cobalt	NC	ſ	Matrix spike below QC criteria.
59 N 4-5 Iron NC J 59 N 4-5 Lead NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Mercury NC J 59 N 4-5 Mercury NC J 59 N 4-5 Selenium NC J	Y5070	59 N 4-5	Dichlorodifluoromethane	NC	ΩĴ	LCS recovery low.
59 N 4-5 Lead NC J 59 N 4-5 Magnesium NC J 59 N 4-5 Mercury NC J 59 N 4-5 Mercury NC J 59 N 4-5 Selenium NC U	Y5070	59 N 4-5	Iron	NC	ſ	Serial dilution above QC limits.
59 N 4-5 Magnesium NC J 59 N 4-5 Manganese NC J 59 N 4-5 Mercury NC J 59 N 4-5 Selenium NC UJ	Y5070	59 N 4-5	Lead	NC	ſ	Serial dilution above QC limits.
59 N 4-5 Manganese NC J 59 N 4-5 Mercury NC J 59 N 4-5 Selenium NC UJ	Y5070	59 N 4-5	Magnesium	NC	ſ	Serial dilution above QC limits.
59 N 4-5 Mercury NC J 59 N 4-5 Selenium NC UJ	Y5070	59 N 4-5	Manganese	NC	7	Serial dilution above QC limits.
59 N 4-5 Selenium NC UJ	X5070	59 N 4-5	Mercury	NC	7	Serial dilution above QC limits.
	Y5070	59 N 4-5	Selenium	NC	3	Matrix spike below QC criteria.
59 N 4-5 Silver NC R	Y5070	59 N 4-5	Silver	NC	Ж	Matrix spike below QC criteria, no post digestion spike performed.

Table 2
Spaulding Fibre Site
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SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y5070	59 N 4-5	Sodium	NC	7	Matrix spike below QC criteria.
Y5070	59 N 4-5	Vanadium	NC	ח	Matrix spike below QC criteria.
Y5070	59 N 4-5	Zinc	NC	ר	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Antimony	NC	ጸ	Matrix spike excessively below QC criteria.
Y5070	59 N 4-5 DL	Arsenic	NC	m	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Beryllium	NC	7	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Cadmium	NC	ſΩ	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Calcium	NC	ſ	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Cobalt	NC	ſ	Matrix spike below QC criteria.
Y5070	59 N 4-5 DL	lron	NC	7	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Lead	NC	ſ	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Magnesium	NC	ſ	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Manganese	NC	ſ	Serial dilution above QC limits.
Y5070	59 N 4-5 DL	Selenium	SC	3	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	ſ	Matrix spike below QC criteria.
Y5070	59 N 4-5 DL	Vanadium	NC	ſ	Matrix spike below QC criteria.
Y5070	59 N 4-5 DL	Zinc	NC	ſ	Serial dilution above QC limits.
Y5790	MW-16	Beryllium	3	N	Prep. blank contamination
Y5790	MW-16	Calcium	NC	ſ	Serial dilution %D > 10%
Y5790	MW-16	Chloroethane	NC	R	Continuing calibration deficiencies.
Y5790	MW-16	Dichlorodifluoromethane	NC	R	Continuing calibration deficiencies.
X5790	MW-16	Sodium	NC	ſ	Serial dilution %D > 10%
Y5790	MW-16	Trichlorofluoromethane	NC	æ	Continuing calibration deficiencies.
Y5790	MW-16	Zinc	NC	Ŋ	Negative prep. blank result
Y5790	MW-43	Beryllium	3	n	Prep. blank contamination
Y5790	MW-43	Calcium	NC	ſ	Serial dilution %D > 10%
Y5790	MW-43	Caprolactam	NC	ſ	LCS below QC limits.
Y5790	MW-43	Chloroethane	NC	Ж	Continuing calibration deficiencies.
X5790	MW-43	Dichlorodifluoromethane	NC	Я	Continuing calibration deficiencies.
Y5790	MW-43	Formaldehyde	NC	ŗ	Samples analyzed after holding time expired
Y5790	MW-43	Trichlorofluoromethane	NC	ĸ	Continuing calibration deficiencies.
Y5790	MW-59	Beryllium	3	D	Prep. blank contamination
Y5790	MW-59	Calcium	NC	7	Serial dilution %D > 10%
Y5790	MW-59	Chloroethane	SC	۳	Continuing calibration deficiencies.
Y5790	MW-59	Dichlorodifluoromethane	S	œ	Continuing calibration deficiencies.

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Table 2 Spaulding Fibre Site Data Qualification Summary

Reason	Serial dilution %D > 10%	Continuing calibration deficiencies.	Negative prep. blank result	Prep. blank contamination	Serial dilution %D > 10%	LCS below QC limits.	Continuing calibration deficiencies.	Continuing calibration deficiencies.	Serial dilution %D > 10%	Continuing calibration deficiencies.	Negative prep. blank result	Prep. blank contamination	Serial dilution %D > 10%	LCS below QC limits.	Continuing calibration deficiencies.	Continuing calibration deficiencies.	Samples analyzed after holding time expired	Serial dilution %D > 10%	Continuing calibration deficiencies.	Negative prep. blank result	LCS recovery below standard.	Surrogate Recovery <10%.	Surrogate Recovery <10%.	Continuing Calibration > +/- 25%	LCS recovery below standard.	Surrogate Recovery <10%.	Surrogate Recovery <10%.	Surrogate Recovery <10%.								
Qualifier	ר	ፚ	ŋ	n	D	ſ	R	R	ſ	Я	J	n	ŗ	J	R	æ	٦	ſ	R	f	nı	n	n	n	n	æ	R	JUD	Ω	n	n	UJ	n	R	~	м
New Result	NC	SC	SC	3	SC	SC	NC	NC	NC	NC	NC	3	NC	NC	NC	NC	NC	NC	NC	NC	ON	SC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Constituent(s)	Sodium	Trichlorofluoromethane	Zinc	Beryllium	Calcium	Caprolactam	Chloroethane	Dichlorodifluoromethane	Sodium	Trichlorofluoromethane	Zinc	Beryllium	Calcium	Caprolactam	Chloroethane	Dichlorodifluoromethane	Formaldehyde	Sodium	Trichlorofluoromethane	Zinc	Carbon Disulfide	Chloromethane	Dichlorodifluoromethane	Methylcyclohexane	Vinyl Chloride	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dinitrophenol	Carbon Disulfide	Chloromethane	Dichlorodifluoromethane	Methylcyclohexane	Vinyl Chloride	1,1-Biphenyl	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
Sample Name	MW-59	MW-59	MW-59	MW-59.1	MW-59.1	MW-59.1	MW-59.1	MW-59.1	MW-59.1	MW-59.1	MW-59.1	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	OW-10	SC-2A	SC-2A	SC-2A	SC-2A	SC-2A	SC-2ADL	SC-2ADL	SC-2ADL	SC-2ADL	SC-2ADL	SC-2ADL	SC-2ADL	SC-2ADL	SC-2ADL2	SC-2ADL2	SC-2ADL2
SDG	X5790	Y5790	Y5790	X5790	Y5790	X5790	Y5790	Y5790	X5790	Y5790	Y5790	X5790	X5790	Y5790	X5790	X5790	Y5790	Y5790	Y5790	Y5790	Y5423	Y5423	X5423	X5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423

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Table 2 Spaulding Fibre Site Data Qualification Summary

 Sample Name	Constituent(s)	New Result	Qualifier	Reason
SC-2ADL2	2,4-Dinitrophenol	NC	R	Surrogate Recovery <10%.
SC-2ADL2	2,4-Dinitrotoluene	NC	Я	Surrogate Recovery <10%.
SC-2ADL2	2,6-Dinitrotoluene	NC	R	Surrogate Recovery <10%.
SC-2ADL2	2-Chloronaphthalene	NC	R	Surrogate Recovery <10%.
SC-2ADL2	2-Nitroanaline	NC	R	Surrogate Recovery <10%.
SC-2ADL2	3-Nitroanaline	NC	Я	Surrogate Recovery <10%.
SC-2ADL2	4,6-Dinitro-2-methylphenol	NC	R	Surrogate Recovery <10%.
SC-2ADL2	4-Bromophenyl-phenylether	NC	ĸ	Surrogate Recovery <10%.
SC-2ADL2	4-Chlorophenyl-phenylether	SC	œ	Surrogate Recovery <10%.
SC-2ADL2	4-Nitroaniline	SC	œ	Surrogate Recovery <10%.
SC-2ADL2	4-Nitrophenol	SC	œ	Surrogate Recovery <10%.
SC-2ADL2	Acenaphthene	NC	~	Surrogate Recovery <10%.
SC-2ADL2	Acenaphthylene	SC	~	Surrogate Recovery <10%.
SC-2ADL2	Anthracene	NC	œ	Surrogate Recovery <10%.
SC-2ADL2	Atrazine	S	œ	Surrogate Recovery <10%.
SC-2ADL2	Bis(2-ethylhexyl)phthalate	SC	号	Surrogate Recovery > 1000
SC-2ADL2	Butylbenzylphthalate	SC	9	Surrogate Recovery > 1000
SC-2ADL2	Carbazole	NC	ድ	Surrogate Recovery <10%.
SC-2ADL2	Dibenzofuran	NC	R	Surrogate Recovery <10%.
SC-2ADL2	Diethylphthalate	NC	R	Surrogate Recovery <10%.
SC-2ADL2	Dimethylphthalate	NC	æ	Surrogate Recovery <10%.
SC-2ADL2	Di-n-butylphthalate	NC	œ	Surrogate Recovery <10%.
SC-2ADL2	Fluorene	NC	~	Surrogate Recovery <10%.
SC-2ADL2	Fluoroanthene	NC	œ	Surrogate Recovery <10%.
SC-2ADL2	Hexachlorobenzene	NC	œ	Surrogate Recovery <10%.
SC-2ADL2	N-nitrosodiphenylamine	NC	æ	Surrogate Recovery <10%.
SC-2ADL2	Pentachlorophenol	NC	Ж	Surrogate Recovery <10%.
SC-2ADL2	Phenanthrene	NC	~	Surrogate Recovery <10%.
SC-2ADL2	Pyrene	NC	~	Surrogate Recovery <10%.
SC-3	Chloromethane	SC	3	LCS recovery below standard.
SC-3	Dichlorodifluoromethane	NC	m	LCS recovery below standard.
SC-3ADL	2,4-Dinitrophenol	NC	anr	Continuing Calibration > +/- 25%
SC-3ADL2	2,4-Dinitrophenol	NC	anr	Continuing Calibration > +/- 25%
SC-3DL2	Di-n-butylphthalate	NC	JD	Surrogate Recovery high
SC-4	1,2-Dichloroethane	NC	Я	Surrogate Recovery < 10%
SC-4	1,2-Dichloropropane	NC	ĸ	Surrogate Recovery < 10%

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Table 2 Spaulding Fibre Site Data Qualification Summary

Sample Name	Constituent(s)	New Result	Qualifier	Keason
SC-4	Benzene	NC	Я	Surrogate Recovery < 10%
SC-4	Bromodichloromethane	NC	Я	Surrogate Recovery < 10%
SC-4	Bromomethane	SC	ſΩ	Cont. Cal. %D > 25%
SC-4	Carbon Tetrachloride	NC	Я	Surrogate Recovery < 10%
SC-4	Chloromethane	NC	rn	LCS recovery below standard.
SC-4	Dichlorodifluoromethane	NC	n	LCS recovery below standard.
SC-4	TCLP silver	NC	m	Negative prep. blank result
SC-4	Trichloroethene	NC	R	Surrogate Recovery < 10%
SC-4ADL	2,4-Dinitrophenol	NC	anr	Continuing Calibration > +/- 25%
SC-4ADL2	2,4-Dinitrophenol	NC	anr	Continuing Calibration > +/- 25%
SC-4DL	Fluoranthene	SC	۵۲	Surrogate Recovery high
SC-4DL2	2,4,5-Trichlorophenol	NC	ĸ	Surrogate Recovery <10%.
SC-4DL2	2,4,6-Trichlorophenol	SC	œ	Surrogate Recovery <10%.
SC-4RE	1,2-Dichloroethane	NC	æ	Surrogate recovery < 10%
SC-4RE	1,2-Dichloropropane	SC	깥	Surrogate recovery < 10%
SC-4RE	Acetone	SC	٦	Surrogate recovery > 125%.
SC-4RE	Benzene	SC	æ	Surrogate recovery < 10%
SC-4RE	Bromodichloromethane	NC	Я	Surrogate recovery < 10%
SC-4RE	Carbon Tetrachloride	NC	ፚ	Surrogate recovery < 10%
SC-4RE	Chloromethane	NC	rn	LCS recovery below standard.
SC-4RE	Dichlorodifluoromethane	SC	۲n	LCS recovery below standard.
SC-4RE	Toluene	NC	ſ	Surrogate recovery > 125%.
SC-4RE	Trichloroethene	NC	A.	Surrogate recovery < 10%
SP-09	Aluminum	NC	ſ	Serial dilution %D > 10%
SP-09	Barium	SC	ſ	Serial dilution %D > 10%
SP-09	Calcium	NC	ſ	Serial dilution %D > 10%
SP-09	Chloroethane	SC	m	IC %RSD and CC %D high
SP-09	Chromium	NC	ſ	Serial dilution %D > 10%
SP-09	Iron	NC	ſ	Serial dilution %D > 10%
SP-09	Lead	NC	ſ	Serial dilution %D > 10%
SP-09	Magnesium	NC	ſ	Serial dilution %D > 10%
SP-09	Manganese	NC	ſ	Serial dilution %D > 10%
SP-09	Methylene Chloride	NC	ſ	Method blank contamination.
SP-09	Nickel	NC	J	Serial dilution %D > 10%
SP-09	Potassium	NC	ſ	Serial dilution %D > 10%
SP-00) (manufacture	2		7007 × 070 == 31 hr 1 = 5 = 0

Table 2 Spaulding Fibre Site Data Qualification Summary

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Y3704 Y3704 Y3704 Y3704 Y3704 Y3704 Y3704 Y3704 Y3704	SP-09	Zinc		Į.	
			NC	~	Serial dilution %D > 10%
	SP-09 DUP	Aluminum	NC	ſ	Serial dilution %D > 10%
	SP-09 DUP	Barium	NC	ſ	Serial dilution %D > 10%
	SP-09 DUP	Calcium	NC	ſ	Serial dilution %D > 10%
	SP-09 DUP	Chloroethane	NC	۲N	IC %RSD and CC %D high
	SP-09 DUP	Chromium	NC	ſ	Serial dilution %D > 10%
	SP-09 DUP	Iron	NC	ſ	Serial dilution %D > 10%
	SP-09 DUP	Lead	NC	ſ	Serial dilution %D > 10%
	SP-09 DUP	Magnesium	NC	ſ	Serial dilution %D > 10%
	SP-09 DUP	Manganese	NC	7	Serial dilution %D > 10%
	SP-09 DUP	Nickel	NC	7	Serial dilution %D > 10%
	SP-09 DUP	Potassium	SC	7	Serial dilution %D > 10%
	SP-09 DUP	Trichlorofluoromethane	S	3	IC %RSD and CC %D high
	SP-09 DUP	Vanadium	SC	7	Serial dilution %D > 10%
	SP-09 DUP	Zinc	NC	7	Serial dilution %D > 10%
	SP-10	Aluminum	NC	7	Serial dilution %D > 10%
	SP-10	Barium	NC	ŗ	Serial dilution %D > 10%
	SP-10	bis(2-ethylhexyl)phthalate	400	n	Rinsate blank contamination.
	SP-10	Calcium	NC	ſ	Serial dilution %D > 10%
	SP-10	Chloroethane	NC	m	IC %RSD and CC %D high
	SP-10	Chromium	NC	ſ	Serial dilution %D > 10%
	SP-10	Ethanol	NC	Я	Improper Calibration
	SP-10	Iron	NC	ſ	Serial dilution %D > 10%
	SP-10	Lead	NC	ſ	Serial dilution %D > 10%
	SP-10	Magnesium	NC	ſ	Serial dilution %D > 10%
	SP-10	Manganese	NC	ľ	Serial dilution %D > 10%
	SP-10	Methanol	NC	Я	Improper Calibration
	SP-10	Nickel	NC	ſ	Serial dilution %D > 10%
	SP-10	Potassium	NC	ſ	Serial dilution %D > 10%
	SP-10	Trichlorofluoromethane	ON	m	IC %RSD and CC %D high
	SP-10	Vanadium	NC	ſ	Serial dilution %D > 10%
	SP-10	Zinc	NC	ſ	Serial dilution %D > 10%
	SP-11	Aluminum	NC	ſ	Serial dilution %D > 10%
	SP-11	Barium	NC	ſ	Serial dilution %D > 10%
	SP-11	bis(2-ethylhexyl)phthalate	400	n	Rinsate blank contamination.
	SP-11	Calcium	NC	ſ	Serial dilution %D > 10%

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Table 2
Spaulding Fibre Site
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)	Sample Name	Constituent(s)	New Result Qualifier	Qualifier	Reason
Y3704	SP-11	Chloroethane	NC	m	IC %RSD and CC %D high
Y3704	SP-11	Chromium	NC	ſ	Serial dilution %D > 10%
Y3704	SP-11	Iron	NC	ſ	Serial dilution %D > 10%
Y3704	SP-11	Lead	S	P	Serial dilution %D > 10%
Y3704	SP-11	Magnesium	NC	ſ	Serial dilution %D > 10%
Y3704	SP-11	Manganese	NC	ſ	Serial dilution %D > 10%
Y3704	SP-11	Nickel	NC	ſ	Serial dilution %D > 10%
Y3704	SP-11	Potassium	NC	ŗ	Serial dilution %D > 10%
Y3704	SP-11	Trichlorofluoromethane	NC	n	IC %RSD and CC %D high
Y3704	SP-11	Vanadium	NC	ſ	Serial dilution %D > 10%
Y3704	SP-11	Zinc	NC	ſ	Serial dilution %D > 10%
Y3704	SP-21	Aluminum	NC	ņ	Serial dilution %D > 10%
Y3704	SP-21	Barium	NC	ſ	Serial dilution %D > 10%
Y3704	SP-21	Calcium	NC	ſ	Serial dilution %D > 10%
Y3704	SP-21	Chloroethane	NC	n	IC %RSD and CC %D high
Y3704	SP-21	Chromium	NC	J	Serial dilution %D > 10%
Y3704	SP-21	Lead	NC	ſ	Serial dilution %D > 10%
Y3704	SP-21	Magnesium	NC	ſ	Serial dilution %D > 10%
Y3704	SP-21	Manganese	NC	l l	Serial dilution %D > 10%
Y3704	SP-21	Nickel	NC	ſ	Serial dilution %D > 10%
Y3704	SP-21	Potassium	NC	ſ	Serial dilution %D > 10%
Y3704	SP-21	Trichlorofluoromethane	NC	n	IC %RSD and CC %D high
Y3704	SP-21	Vanadium	NC	ſ	Serial dilution %D > 10%
Y3704	SP-21DL	Aluminum	NC	ſ	Serial dilution %D > 10%
Y3704	SP-21DL	Barium	NC	l f	Serial dilution %D > 10%
Y3704	SP-21DL	Calcium	NC	Ŋ	Serial dilution %D > 10%
Y3704	SP-21DL	Chromium	NC	ŗ	Serial dilution %D > 10%
Y3704	SP-21DL	Iron	NC	ŗ	Serial dilution %D > 10%
Y3704	SP-21DL	Lead	NC	l f	Serial dilution %D > 10%
Y3704	SP-21DL	Magnesium	NC	r	Serial dilution %D > 10%
Y3704	SP-21DL	Manganese	NC	ŗ	Serial dilution %D > 10%
Y3704	SP-21DL	Nickel	NC	r	Serial dilution %D > 10%
Y3704	SP-21DL	Vanadium	NC	7	Serial dilution %D > 10%
Y3704	SP-21DL	Zinc	S	, ,	Serial dilution %D > 10%
Y3704	SP-21RE	Aroclor 1260	ì	7	CCV %D > 25%.
Y3704	SP-22	Aluminum	NC	ſ	Serial dilution %D > 10%

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Spaulding Fibre Site Data Qualification Summary Table 2

																															-					
Reason	Serial dilution %D > 10%	Internal standard area count is low.	Serial dilution %D > 10%	IC %RSD and CC %D high	Serial dilution %D > 10%	Internal standard area count is low.	Internal standard area count is low.	Serial dilution %D > 10%	CCV %D > 25%.	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low																						
Qualifier	7	ſ	ſ	ſ	J	ſ	ß		n	ſ	ſ	ſ	ſ	7	7	7	7	7	7	ſ	7	ŋ	7	7	ſ) ſ	ſ	ſ	7	7	UJ	n	U)	UJ	UJ
New Result	NC	NC	NC	NC	NC	NC	SC	NC	NC	NC	NC	NC	NC	SC	NC	NC	SC	SC	S	NC	SC	NC	NC	S	NC	NC	NC	NC	NC	NC	J	NC	NC	NC	NC	NC
Constituent(s)	Barium	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Calcium	Chloroethane	Chromium	Dibenz(a,h)anthracene	Ideno(1,2,3-cd)pyrene	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Vanadium	Zinc	Aluminum	Barium	Calcium	Chromium	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Vanadium	Zinc	Aroclor 1260	1,1,2,2-Tetrachloroethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-Chloropropane	1,2-Dichlorobenzene	1,3-Dichlorobenzene
Sample Name	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22	SP-22DL	SP-22RE	TP17.1 5-6 F	TP17.1 5-6 F	TP17.1 5-6 F	TP17.1 5-6 F	TP17.1 5-6 F											
SDG	Y3704	Y3704	Y3704	Y3704	Y3704	Y3704	Y3704	Y3704	Y3704	X3704	Y3704	Y3704	Y5423	Y5423	X5423	Y5423	X5423																			

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Table 2 Spaulding Fibre Site Data Qualification Summary

Sample Name	Constituent(s)	New Result	Qualifier	Reason
TP17.1 5-6 F	1,4-Dichlorobenzene	NC	۲N	Surrogate Recovery Low
TP17.1 5-6 F	Bromoform	NC	m	Surrogate Recovery Low
TP17.1 5-6 F	Chlorobenzene	NC	m	Surrogate Recovery Low
TP17.1 5-6 F	Chloromethane	SC	3	LCS recovery below standard.
TP17.1 5-6 F	Dichlorodifluoromethane	SC	m	LCS recovery below standard.
TP17.1 5-6 F	Ethyl Benzene	NC	rn	Surrogate Recovery Low
TP17.1 5-6 F	Isopropylbenzene	NC	rn	Surrogate Recovery Low
TP17.1 5-6 F	m/p-Xylenes	NC	rn	Surrogate Recovery Low
TP17.1 5-6 F	Mercury	0.2	n	Initial calibration blank contamination.
TP17.1 5-6 F	o-Xylene	NC	n	Surrogate Recovery Low
TP17.1 5-6 F	Styrene	SC	ß	Surrogate Recovery Low
TP17.1 5-6 F	Tetrachloroethene	SC	3	Surrogate Recovery Low
TP17.1 5-6 FRE	1,1,2,2-Tetrachloroethane	SC	~	Surrogate Recovery Low
TP17.1 5-6 FRE	1,2,4-Trichlorobenzene	NC	2	Surrogate Recovery Low
TP17.1 5-6 FRE	1,2-Dibromo-3-Chloropropane		ж	Surrogate Recovery Low
TP17.1 5-6 FRE	1,2-Dichlorobenzene		œ	Surrogate Recovery Low
TP17.1 5-6 FRE	1,3-Dichlorobenzene	NC	Я	Surrogate Recovery Low
TP17.1 5-6 FRE	1,4-Dichlorobenzene	NC	R	Surrogate Recovery Low
TP17.1 5-6 FRE	Bromoform	NC	rn	Surrogate Recovery Low
TP17.1 5-6 FRE	Chlorobenzene	NC	۲n	Surrogate Recovery Low
TP17.1 5-6 FRE	Chloromethane	NC	m	LCS recovery below standard.
TP17.1 5-6 FRE	Dichlorodifluoromethane	NC	m	LCS recovery below standard.
TP17.1 5-6 FRE	Ethyl Benzene	NC	m	Surrogate Recovery Low
TP17.1 5-6 FRE	Isopropylbenzene	NC	R	Surrogate Recovery Low
TP17.1 5-6 FRE	m/p-Xylenes	NC	m	Surrogate Recovery Low
TP17.1 5-6 FRE	o-Xylene	NC	rn	Surrogate Recovery Low
TP17.1 5-6 FRE	Styrene	NC	m	Surrogate Recovery Low
TP17.1 5-6 FRE	Tetrachloroethene	NC	ſ	Surrogate Recovery Low
TP-27	Aluminum	NC	ſ	Serial dilution %D > 10%
TP-27	Barium	NC	ſ	Serial dilution %D > 10%
TP-27	Calcium	NC	ſ	Serial dilution %D > 10%
TP-27	Chloroethane	NC	rn	IC %RSD and CC %D high
TP-27	Chromium	NC	ſ	Serial dilution %D > 10%
TP-27	Heptachlor	-	ſ	%D between columns > 25%.
TP-27	Iron	NC	ſ	Serial dilution %D > 10%
TP-27	Lead	SS	ſ	Serial dilution %D > 10%

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Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y3704	TP-27	Magnesium	NC	ſ	Serial dilution %D > 10%
Y3704	TP-27	Manganese	NC	٦	Serial dilution %D > 10%
Y3704	TP-27	Nickel	NC	ſ	Serial dilution %D > 10%
Y3704	TP-27	Potassium	NC	ſ	Serial dilution %D > 10%
Y3704	TP-27	Vanadium	NC	ſ	Serial dilution %D > 10%
Y3704	TP-27	Zinc	NC	ſ	Serial dilution %D > 10%
Y3704	TP-27DL	4,4'-DDE	ı	ſ	CCV %D > 25%.
Y3704	TP-28	Aluminum	NC	ſ	Serial dilution %D > 10%
Y3704	TP-28	Barium	NC	ſ	Serial dilution %D > 10%
Y3704	TP-28	Benzo(a)pyrene	NC	ſ	Internal standard area count is low.
Y3704	TP-28	Benzo(b)fluoranthene	NC	ſ	Internal standard area count is low.
Y3704	TP-28	Benzo(g,h,i)perylene	NC	m	Internal standard area count is low.
Y3704	TP-28	Benzo(k)fluoranthene	NC	m	Internal standard area count is low.
Y3704	TP-28	bis(2-ethylhexyl)phthalate	410	n	Rinsate blank contamination.
Y3704	TP-28	Calcium	NC	ſ	Serial dilution %D > 10%
X3704	TP-28	Chloroethane	NC	m	IC %RSD and CC %D high
Y3704	TP-28	Chromium	NC	ſ	Serial dilution %D > 10%
Y3704	TP-28	Dibenz(a,h)anthracene	NC	m	Internal standard area count is low.
Y3704	TP-28	Ethanol	NC	Я	Improper Calibration
Y3704	TP-28	Ideno(1,2,3-cd)pyrene	NC	m	Internal standard area count is low.
Y3704	TP-28	Iron	NC	ſ	Serial dilution %D > 10%
Y3704	TP-28	Lead	NC	ſ	Serial dilution %D > 10%
Y3704	TP-28	Magnesium	NC	ſ	Serial dilution %D > 10%
Y3704	TP-28	Manganese	NC	ſ	Serial dilution %D > 10%
Y3704	TP-28	Methanol	NC	R	Improper Calibration
Y3704	TP-28	Nickel	NC	ſ	Serial dilution %D > 10%
X3704	TP-28	Potassium	NC	ſ	Serial dilution %D > 10%
X3704	TP-28	Vanadium	NC	ſ	Serial dilution %D > 10%
X3704	TP-28	Zinc	NC	ſ	Serial dilution %D > 10%
Y3704	TP-28DL	bis(2-ethylhexyl)phthalate	2000	n	Rinsate blank contamination.
Y3704	TP-29	Aluminum	NC	ſ	Serial dilution %D > 10%
Y3704	TP-29	Barium	NC	r	Serial dilution %D > 10%
Y3704	TP-29	Calcium	NC	7	Serial dilution %D > 10%
Y3704	TP-29	Chloroethane	NC	3	IC %RSD and CC %D high
Y3704	TP-29	Chromium	NC	7	Serial dilution %D > 10%
Y3704	TP-29	Ethanol	NC	ď	Improper Calibration

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Spaulding Fibre Site Data Qualification Summary

Y37704 TP-29 Incn NC J Sesial diution %D> 10% Y37704 TP-29 Lead NC J Sesial diution %D> 10% Y37104 TP-29 Magnesium NC J Sesial diution %D> 10% Y37104 TP-29 Magnesium NC J Sesial diution %D> 10% Y37104 TP-29 Magnesium NC J Sesial diution %D> 10% Y37104 TP-29 Magnesium NC J Sesial diution %D> 10% Y37104 TP-20 Voracium NC J Sesial diution %D> 10% Y37104 TP-20 Voracium NC J Sesial diution %D> 10% Y37104 TP-30 Adaum NC J Sesial diution %D> 10% Y37104 TP-30 Adaum NC J Sesial diution %D> 10% Y37104 TP-30 Delacum NC J Sesial diution %D> 10% Y37104 TP-30 Delacum NC J Sesial diution %D> 10%	SDG	Sample Name	Constituent(s)	New Result Qualifier	Qualifier	Reason
TP-29 Lead NC J Serial dilution %D > 10 TP-29 Mathanol NC J Serial dilution %D > 10 TP-29 Mathanol NC J Serial dilution %D > 10 TP-29 NAthanol NC J Serial dilution %D > 10 TP-29 NAthanol NC J Serial dilution %D > 10 TP-29 Nanadium NC J Serial dilution %D > 10 TP-29 Vanadium NC J Serial dilution %D > 10 TP-20 Vanadium NC J Serial dilution %D > 10 TP-20 Vanadium NC J Serial dilution %D > 10 TP-20 Vanadium NC J Serial dilution %D > 10 TP-20 Aluminum NC J Serial dilution %D > 10 TP-20 Aluminum NC J Serial dilution %D > 10 TP-20 Aluminum NC J Serial dilution %D > 10 TP-20 Mathaganese NC J N	Y3704	TP-29	Iron	NC	7	Serial dilution %D > 10%
TP-29 Magnesium NC J Serial dilution %D > 10 TP-29 Manganese NC J Serial dilution %D > 10 TP-29 Manganese NC J Serial dilution %D > 10 TP-29 Variatium NC J Serial dilution %D > 10 TP-29 Variatium NC J Serial dilution %D > 10 TP-20 Variatium NC J Serial dilution %D > 10 TP-20 Variatium NC J Serial dilution %D > 10 TP-20 Aluminum NC J Serial dilution %D > 10 TP-20 Aluminum NC J Serial dilution %D > 10 TP-20 Aluminum NC J Serial dilution %D > 10 TP-20 Chronium NC J Serial dilution %D > 10 TP-20 Chronium NC J Serial dilution %D > 10 TP-20 Chronium NC J Serial dilution %D > 10 TP-20 Chronium NC J Serial dilution %D > 10 TP-20 Chronium NC J Serial dilution %D > 10 TP-20 Chronium NC J Serial dilution %D > 10 TP-20 Manganese NC J Serial dilution %D > 10 TP-20 Manganese NC J Serial dilution %D > 10 TP-20 Manganese NC J Serial dilution %D > 10 TP-20 Nateral NC J Serial dilution %D > 10 TP-20 Nateral NC J Serial dilution %D > 10 TP-20 Nateral NC J Serial dilution %D > 10 TP-20 Nateral NC J Serial dilution %D > 10 TP-20 Nateral NC J Serial dilution %D > 10 TP-20 Nateral NC N N Serial dilution %D > 10 TP-20 Nateral NC N N Serial dilution %D > 10 TP-20 Nateral NC N N Serial dilution %D > 10 TP-20 Nateral NC N N N Serial dilution %D > 10 TP-20 NATERAL NC N N N N N N TP-20 NATERAL NC N N N N N N TP-20 NATERAL NC N N N N N N N N TP-20 NATERAL NC N N N N N N N N	X3704	TP-29	Lead	NC	ſ	Serial dilution %D > 10%
172 Marganese NC J Serial dilution %D > 100 FP.29 Nietherrol NC J Serial dilution %D > 100 Serial dilutio	Y3704	TP-29	Magnesium	NC	ſ	Serial dilution %D > 10%
TP-29 Methanol NC A Impropee Calibration TP-29 Nückeli NC J Serial dilution %D > 10 TP-29 Potassilim NC J Serial dilution %D > 10 TP-29 Varadum NC J Serial dilution %D > 10 TP-20 Varadum NC J Serial dilution %D > 10 TP-30 Barium NC J Serial dilution %D > 10 TP-30 DisiZ-eth/flexylipithalate NC J Serial dilution %D > 10 TP-30 Cricomium NC J Serial dilution %D > 10 TP-30 Cricomium NC J Serial dilution %D > 10 TP-30 Cricomium NC J Serial dilution %D > 10 TP-30 Ethanol NC J Negative italiant insported into %D > 10 TP-30 Magnasium NC J Serial dilution %D > 10 TP-30 Methanol NC J Serial dilution %D > 10 TP-30 Methanol NC	Y3704	TP-29	Manganese	NC	ſ	Serial dilution %D > 10%
17-29	Y3704	TP-29	Methanol	NC	Я	Improper Calibration
TP-29 Potassium NC J Serial dilution %D > 101 TP-29 Varadum NC J Serial dilution %D > 102 TP-29 Zanc NC J Serial dilution %D > 102 TP-20 Aluminum NC J Serial dilution %D > 102 TP-30 Barium NC J Serial dilution %D > 102 TP-30 LP-30 U Rinsate blank contamina TP-30 Chronilum NC J Serial dilution %D > 102 TP-30 Chronilum NC J Serial dilution %D > 102 TP-30 Chronilum NC J Serial dilution %D > 102 TP-30 Lead NC J Serial dilution %D > 102 TP-30 Magnesium NC J Serial dilution %D > 102 TP-30 Manganese NC J Serial dilution %D > 102 TP-30 Manganesium NC J Serial dilution %D > 102 TP-30 Manganesium NC J Serial dilution %D >	Y3704	TP-29	Nickel	NC	ſ	Serial dilution %D > 10%
TP-29 Vanadium NC J Serial dilution %D > 10 TP-29 TP-29 Aluminum NC J Serial dilution %D > 10 TP-20 Aluminum NC J Serial dilution %D > 10 TP-30 Barium NC J Serial dilution %D > 10 TP-30 Chromium NC J Serial dilution %D > 10 TP-30 Chromium NC J Serial dilution %D > 10 TP-30 Chromium NC J NG bariat balank contamina TP-30 Chromium NC J Serial dilution %D > 10 TP-30 Magnesium NC J Serial dilution %D > 10 TP-30 Magnesium NC J Serial dilution %D > 10 TP-30 Mathaganese NC J Serial dilution %D > 10 TP-30 Mathaganese NC J Serial dilution %D > 10 TP-30 Nokela NC J Serial dilution %D > 10 TP-30 Valudium NC	Y3704	TP-29	Potassium	NC	ſ	Serial dilution %D > 10%
TP-29 Zinc NC J Serial dilution %D > 107 TP-30 Aluminum NC J Serial dilution %D > 107 TP-30 Barrium NC J Serial dilution %D > 107 TP-30 Calcium NC J Rinsate blank contamina TP-30 Calcium NC J Rinsate blank contamina TP-30 Cracium NC J Rinsate blank contamina TP-30 Cracium NC J Resist dilution %D > 107 TP-30 Iron NC N N Serial dilution %D > 107 TP-30 Magnesium NC J Serial dilution %D > 107 107 TP-30 Mathanol NC J Serial dilution %D > 107 107 N Serial dilution %D > 107 107 N Serial dilution %D > 107 N Serial dilution %D > 107 N N N Serial dilution %D > 107 N N N N N N N N N N N	Y3704	TP-29	Vanadium	NC	ſ	Serial dilution %D > 10%
TP-30 Aluminum NC J Serial dilution %D > 107 TP-30 bis(2-eth/thyl)pithalate 430 U Serial dilution %D > 107 TP-30 Dis(2-eth/thyl)pithalate 430 U Rinsate labrak contamina TP-30 Chromium NC J Serial dilution %D > 107 TP-30 Chromium NC J Serial dilution %D > 107 TP-30 Chromium NC J Serial dilution %D > 107 TP-30 Lead NC J Serial dilution %D > 107 TP-30 Magneslum NC J Serial dilution %D > 107 TP-30 Mathanol NC J Serial dilution %D > 107 TP-30 Mathanol NC J Serial dilution %D > 107 TP-30 Nickel NC J Serial dilution %D > 107 TP-30 Vanadium NC J Serial dilution %D > 107 TP-30 Vanadium NC J Serial dilution %D > 107 TP-30 TP-80 U	Y3704	TP-29	Zinc	SC	ŋ	Serial dilution %D > 10%
TP-30 Berlum NC J Serial dilution %D > 10° TP-30 Dis(2-ethylbax/l)prithalate 430 U Rinaste blank contaminant TP-30 Calculm NC J Serial dilution %D > 10° TP-30 Chromium NC J Serial dilution %D > 10° TP-30 Chromium NC J Serial dilution %D > 10° TP-30 Lead NC J Serial dilution %D > 10° TP-30 Magnesium NC J Serial dilution %D > 10° TP-30 Manganese NC J Serial dilution %D > 10° TP-30 Manganese NC J Serial dilution %D > 10° TP-30 Manganese NC J Serial dilution %D > 10° TP-30 Mickel NC J Serial dilution %D > 10° TP-30 Vanadium NC J Serial dilution %D > 10° TP-30 Vanadium NC J Serial dilution %D > 10° TP-80 TP-80 Chlorocethane	Y3704	TP-30	Aluminum	NC	ſ	Serial dilution %D > 10%
TP-30 bis(2-ethy)thexyl)phthalate 430 U Rinsate blank contamina IP-30 Calcium NC J Serial dilution %D > 10 TP-30 Chromium NC J Serial dilution %D > 10 TP-30 Chromium NC R Negative instrument response Introduction instrument response Calibration TP-30 Frand NC J Serial dilution %D > 10 TP-30 Magnanese NC J Serial dilution %D > 10 TP-30 Matranol NC J Serial dilution %D > 10 TP-30 Matranol NC J Serial dilution %D > 10 TP-30 Matranol NC J Serial dilution %D > 10 TP-30 Nickel NC J Serial dilution %D > 10 TP-30 Vanadium NC J Serial dilution %D > 10 TP-30 Vanadium NC J Serial dilution %D > 10 TP-30 Chloroethane NC J NC NC TP-65 1,1,2-T	Y3704	TP-30	Barium	NC	ſ	Serial dilution %D > 10%
TP-30 Calcum NC J Serial dilution %D > 10? TP-30 Chromium NC J Serial dilution %D > 10? TP-30 Ethanol NC J Negative instrument responses TP-30 Ethanol NC J Serial dilution %D > 10? TP-30 Lead NC J Serial dilution %D > 10? TP-30 Magnesium NC J Serial dilution %D > 10? TP-30 Matganese NC J Serial dilution %D > 10? TP-30 Methanol NC J Serial dilution %D > 10? TP-30 Nicket J Serial dilution %D > 10? TP-30 Vanadium NC J Serial dilution %D > 10? TP-30 Vanadium NC J Serial dilution %D > 10? TP-30 Vanadium NC J Serial dilution %D > 10? TP-30 Valuoridiluorethane NC J Serial dilution %D > 10? TP-53 TP-65 1,1,1Trichloroethane NC	Y3704	TP-30	bis(2-ethylhexyl)phthalate	430	n	Rinsate blank contamination.
TP-30 Chromium NC J Serial dilution %D > 10° TP-30 Cyanide NC R Negative instrument response TP-30 Image Image J Serial dilution %D > 10° TP-30 Lead NC J Serial dilution %D > 10° TP-30 Manganese NC J Serial dilution %D > 10° TP-30 Manganese NC J Serial dilution %D > 10° TP-30 Methanol NC J Serial dilution %D > 10° TP-30 Methanol NC J Serial dilution %D > 10° TP-30 Varadium NC J Serial dilution %D > 10° TP-30 Varadium NC J Serial dilution %D > 10° TP-30 Varadium NC J Serial dilution %D > 10° TP-30 Varadium NC J Serial dilution %D > 10° TP-30 Varadium NC J Serial dilution %D > 10° TP-30 Chlorocetrane NC J	Y3704	TP-30	Calcium	NC	ſ	Serial dilution %D > 10%
TP-30 Cyanide NC R Negative instrument response TP-30 Ethanol NC J Improper Calibration TP-30 Iron NC J Serial dilution %D > 10° TP-30 Magnesium NC J Serial dilution %D > 10° TP-30 Manganesium NC J Serial dilution %D > 10° TP-30 Manganesium NC J Serial dilution %D > 10° TP-30 Manganesium NC J Serial dilution %D > 10° TP-30 Varadium NC J Serial dilution %D > 10° TP-30 Varadium NC J Serial dilution %D > 10° TP-30 Varadium NC J Serial dilution %D > 10° TP-30 Chloroethrane NC J Serial dilution %D > 10° TP-65 TTP-65 1,1,1Trichloroethrane NC N Initial calibration blank contaar TP-65 1,1,2-Trichloroethrane NC N N Surrogate recovery lo T	X3704	TP-30	Chromium	NC	ſ	Serial dilution %D > 10%
TP-30 Ethanol NC R TP-30 Iron NC J TP-30 Magnesium NC J TP-30 Manganese NC J TP-30 Manganese NC J TP-30 Methanol NC J TP-30 Methanol NC J TP-30 Nickel NC J TP-30 Vanadium NC J TP-30 Vanadium NC J TP-30 Chloroethane NC U TP-62-3 N Dichloroethane NC NC TP-65 1,1,2-Trichloroethane NC NC TP-65 1,1,2-Trichloroethane NC UJ TP	Y3704	TP-30	Cyanide	SC	Я	Negative instrument response <-CRQL
TP-30 Iron NC J TP-30 Magnesium NC J TP-30 Manganesem NC J TP-30 Methanol NC J TP-30 Methanol NC J TP-30 Nickel NC J TP-30 Potassium NC J TP-30 Vanadium NC J TP-30 Chloroethane NC J TP-30 Chloroethane NC U TP-62-3 N Mercury 0.2 U TP-65 1,1,1Trichloroethane NC R TP-65 1,1,12-Trichloroethane NC UJ TP-65 1,1,12-Trichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ T	Y3704	TP-30	Ethanol	NC	Я	Improper Calibration
TP-30 Lead NC J TP-30 Magnesium NC J TP-30 Methanol NC J TP-30 Methanol NC J TP-30 Nickel NC J TP-30 Vanadium NC J TP-30 Vanadium NC J TP-30 Chloroethane NC J TP6 2-3 N Dichloroethane NC U TP6 2-3 N Mercury 0.2 U TP-65 1,1,1Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC U TP-65 1,1,2-Trichloroethane NC U TP-65 1,1,2-Trichloroethane NC U TP-65 1,1,2-Trichloroethane NC U TP-65 1,1,12-Trichloroethane NC U TP-65 1,1,12-Trichloroethane NC U TP-65 1,1,12-Trichloroethane NC U	Y3704	TP-30	Iron	NC	ſ.	Serial dilution %D > 10%
TP-30 Magnesium NC J TP-30 Manganese NC J TP-30 Mickel NC J TP-30 Nickel NC J TP-30 Vanadium NC J TP-30 Vanadium NC J TP-30 Vanadium NC J TP-30 Chloroethane NC UJ TP-62-3 N Dichlorodifluoromethane NC UJ TP-65 1,1,1Trichloroethane NC N TP-65 1,1,2-Tetrachloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC <td< td=""><td>Y3704</td><td>TP-30</td><td>Lead</td><td>NC</td><td>ſ</td><td>Serial dilution %D > 10%</td></td<>	Y3704	TP-30	Lead	NC	ſ	Serial dilution %D > 10%
TP-30 Manganese NC J TP-30 Methanol NC J TP-30 Nickel NC J TP-30 Vanadium NC J TP-30 Vanadium NC J TP-30 Vanadium NC J TP-30 Chloroethane NC UJ TP6 2-3 N Dichloroethane NC UJ TP-65 1,1,1Trichloroethane NC N TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,1-Dichloroethane NC UJ TP-65 1,1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ	Y3704	TP-30	Magnesium	NC	ſ	Serial dilution %D > 10%
TP-30 Methanol NC R TP-30 Nickel NC J TP-30 Vanadium NC J TP-30 Vanadium NC J TP-30 Vanadium NC J TP-30 Chloroethane NC U TP6 2-3 N Dichlorodifluoromethane NC UJ TP-65 1,1,1Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,2-Trichloroethane NC UJ TP-65 1,2-Trichloroethane NC UJ TP-65 1,2-Trichloroethane NC UJ	Y3704	TP-30	Manganese	NC	J	Serial dilution %D > 10%
TP-30 Nickel NC J TP-30 Potassium NC J TP-30 Vanadium NC J TP-30 Chloroethane NC J TP-62-3 N Dichlorodifluoromethane NC UJ TP-65 1,1,1Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,2-A-Trichloroethane NC UJ	Y3704	TP-30	Methanol	NC	Я	Improper Calibration
TP-30 Potassium NC J TP-30 Vanadium NC J TP-30 Chloroethane NC UJ TP-62-3 N Dichlorodifluoromethane NC UJ TP-65 1,1,1Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,2-A-Trichloroethane NC R	Y3704	TP-30	Nickel	NC	ſ	Serial dilution %D > 10%
TP-30 Vanadium NC J TP-30 Zinc NC J TP-30 Chloroethane NC UJ TP6 2-3 N Mercury 0.2 U TP-65 1,1,1Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,2-Trichloroethane NC UJ TP-65 1,2-Trichloroethane NC UJ	Y3704	TP-30	Potassium	NC	ſ	Serial dilution %D > 10%
TP-30 Zinc NC J TP-30 Chloroethane NC UJ TP6 2-3 N Mercury 0.2 U TP-65 1,1,1Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,2-Trichloroethane NC UJ TP-65 1,2-Trichloroethane NC NC TP-65 1,2-Trichloroethane NC NC	Y3704	TP-30	Vanadium	NC	١٠	Serial dilution %D > 10%
TP-30 Chloroethane NC UJ TP6 2-3 N Dichlorodifluoromethane NC UJ TP-65 1,1,1Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC NJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,2-Trichlorobenzene NC NS	Y3704	TP-30	Zinc	NC	ſ	Serial dilution %D > 10%
TP6 2-3 N Dichlorodifluoromethane NC UJ TP6 2-3 N Mercury 0.2 U TP-65 1,1,1Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,2-Trichlorobenzene NC NS	Y3704	TP-30	Chloroethane	NC	n	IC %RSD and CC %D high
TP6 2-3 N Mercury 0.2 U TP-65 1,1,1Trichloroethane NC R TP-65 1,1,2,2-Tetrachloroethane NC R TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,2-Trichloroethane NC UJ TP-65 1,2-Trichloroethane NC UJ TP-65 1,2-Trichloroethane NC NS TP-65 1,2-Trichloroethane NC NS	Y5423	TP6 2-3 N	Dichlorodifluoromethane	NC	UJ	LCS recovery below standard.
TP-65 1,1,Trichloroethane NC R TP-65 1,1,2,2-Tetrachloroethane NC R TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,2-Trichlorobenzene NC R	Y5423	TP6 2-3 N	Mercury	0.2	n	Initial calibration blank contamination.
TP-65 1,1,2,2-Tetrachloroethane NC R TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,2-Trichlorobenzene NC R TP-65 1,2-Dibromo-3-Chloropropane NC R	Y3704	TP-65	1,1,1Trichloroethane	NC	Я	Internal Standard < 25%
TP-65 1,1,2-Trichloroethane NC R TP-65 1,1,2-Trichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,2-Trichloroethane NC NC TP-65 1,2-Dibromo-3-Chloropropane NC R	Y3704	TP-65	1,1,2,2-Tetrachloroethane	NC	Я	Internal Standard < 25%
TP-65 1,1,2-Trichlorotrifluoroethane NC UJ TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethene NC UJ TP-65 1,2-Trichlorobenzene NC R TP-65 1,2-Dibromo-3-Chloropropane NC R	Y3704	TP-65	1,1,2-Trichloroethane	NC	ፚ	Internal Standard < 25%
TP-65 1,1-Dichloroethane NC UJ TP-65 1,1-Dichloroethene NC UJ TP-65 1,2,4-Trichlorobenzene NC R TP-65 1,2-Dibromo-3-Chloropropane NC R	Y3704	TP-65	1,1,2-Trichlorotrifluoroethane		m	Surrogate recovery low.
TP-65 1,1-Dichloroethene NC UJ TP-65 1,2,4-Trichlorobenzene NC R TP-65 1,2-Dibromo-3-Chloropropane NC R	Y3704	TP-65	1,1-Dichloroethane	SC	n	Surrogate recovery low.
TP-65 1,2,4-Trichlorobenzene NC R TP-65 1,2-Dibromo-3-Chloropropane NC R	Y3704	TP-65	1,1-Dichloroethene	S	Ω	Surrogate recovery low.
TP-65 1,2-Dibromo-3-Chloropropane NC R	Y3704	TP-65	1,2,4-Trichlorobenzene		<u>۷</u>	Internal Standard < 25%
	Y3704	TP-65	1,2-Dibromo-3-Chloropropane		ж	Internal Standard < 25%

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Spaulding Fibre Site Data Qualification Summary Table 2

SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
	TP-65	1,2-Dibromomethane	NC	R	Internal Standard < 25%
	TP-65	1,2-Dichloroethane	NC	æ	Internal Standard < 25%
•	TP-65	1,2-Dichloropropane	NC	Я	Internal Standard < 25%
	TP-65	1,3-Dichlorobenzene	NC	ж	Internal Standard < 25%
	TP-65	1,4-Dichlorobenzene	NC	R	Internal Standard < 25%
	TP-65	1.2-Dichlorobenzene	NC	Я	Internal Standard < 25%
	TP-65	2-Butanone	NC	n	Surrogate recovery low.
	TP-65	2-Hexanone	SC	2	Internal Standard < 25%
	TP-65	4-Methyl-2-Pentanone	SC	<u>ح</u>	Internal Standard < 25%
	TP-65	Acetone	NC	n	Surrogate recovery low.
	TP-65	Aluminum	SC	٦	Serial dilution %D > 10%
	TP-65	Barium	SC	7	Serial dilution %D > 10%
	TP-65	Benzene	NC	ᄯ	Internal Standard < 25%
	TP-65	bis(2-ethylhexyl)phthalate	2000	D	Rinsate blank contamination.
	TP-65	Bromodichloromethane	SC	<u>ح</u>	Internal Standard < 25%
	TP-65	Bromoform	SC	٣	Internal Standard < 25%
	TP-65	Bromomethane	SC	ß	Surrogate recovery low.
	TP-65	Calcium	NC	ſ	Serial dilution %D > 10%
	TP-65	Carbon disulfide	NC	m	Surrogate recovery low.
	TP-65	Carbon Tetrachloride	NC	R	Internal Standard < 25%
	TP-65	Chlorobenzene	NC	Я	Internal Standard < 25%
	TP-65	Chloroethane	SC	n	IC %RSD and CC %D high
	TP-65	Chloroethane	S	m	Surrogate recovery low.
	TP-65	Chloroform	NC	Я	Internal Standard < 25%
	TP-65	Chloromethane	NC	rn	Surrogate recovery low.
	TP-65	Chromium	NC	ſ	Serial dilution %D > 10%
	TP-65	Cis-1,2-Dichloroethane	NC	R	Internal Standard < 25%
	TP-65	Cis-1,2-Dichloropropene	NC	H.	Internal Standard < 25%
	TP-65	Cyclohexane	NC	rn	Surrogate recovery low.
	TP-65	Dibromochloromethane	NC	æ	Internal Standard < 25%
	TP-65	Dichlorodifluoromethane	SC	ſſ	Surrogate recovery low.
	TP-65	Ethyl Benzene	NC	Я	Internal Standard < 25%
	TP-65	lron	NC	ſ	Serial dilution %D > 10%
	TP-65	Isopropylbenzene	NC	R	Internal Standard < 25%
	TP-65	Lead	NC	ſſ	Serial dilution %D > 10%
	TP-65	m/p-Xvlenes	CZ	- Y	Informal Standard < 25%

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Table 2
Spaulding Fibre Site
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SDG	Sample Name	Constituent(s)	New Result	Qualifier	Reason
Y3704	TP-65	Magnesium	NC	ſ	Serial dilution %D > 10%
Y3704	TP-65	Manganese	NC	ſ	Serial dilution %D > 10%
Y3704	TP-65	Methyl Acetate	NC	n	Surrogate recovery low.
Y3704	TP-65	Methyl tert-butyl ether	NC	m	Surrogate recovery low.
Y3704	TP-65	Methylcyclohexane	NC	R	Internal Standard < 25%
Y3704	TP-65	Methylene Chloride	NC	m	Surrogate recovery low.
Y3704	TP-65	Nickel	NC	ſ	Serial dilution %D > 10%
Y3704	TP-65	o-Xylene	NC	R	Internal Standard < 25%
Y3704	TP-65	Potassium	NC	ſ	Serial dilution %D > 10%
Y3704	TP-65	Styrene	NC	Ж	Internal Standard < 25%
Y3704	TP-65	t-1,2-Dichloropropene	NC	22	Internal Standard < 25%
Y3704	TP-65	Tetrachloroethene	NC	R	Internal Standard < 25%
Y3704	TP-65	Toluene	NC	Я	Internal Standard < 25%
Y3704	TP-65	trans-1,2-dichloroethene	NC	m	Surrogate recovery low.
Y3704	TP-65	Trichloroethene	NC	R	Internal Standard < 25%
Y3704	TP-65	Trichlorofluoromethane	NC	nı	Surrogate recovery low.
Y3704	TP-65	Vanadium	NC	ſ	Serial dilution %D > 10%
Y3704	TP-65	Vinyl Chloride	NC	m	Surrogate recovery low.
Y3704	TP-65 RE	1,1,2,2-Tetrachloroethane	NC	n	Internal Standard <50%
Y3704	TP-65 RE	1,2,4-Trichlorobenzene	SC	m	Internal Standard <50%
Y3704	TP-65 RE	1,2-Dibromo-3-chloropropane	NC	n	Internal Standard <50%
Y3704	TP-65 RE	1,2-Dichlorobenzene	NC	UJ	Internal Standard <50%
Y3704	TP-65 RE	1,3-Dichlorobenzene	NC	n	Internal Standard <50%
Y3704	TP-65 RE	1,4-Dichlorobenzene	NC	n	Internal Standard <50%
Y3704	TP-65 RE	Bromoform	NC	Ω	Surrogate recovery low.
Y3704	TP-65 RE	Chlorobenzene	SC	n	Surrogate recovery low.
Y3704	TP-65 RE	Ethyl Benzene	NC	n	Surrogate recovery low.
Y3704	TP-65 RE	Isopropyl benzene	NC	UJ	Internal Standard <50%
Y3704	TP-65 RE	m/p-Xylenes	NC	n	Surrogate recovery low.
Y3704	TP-65 RE	o-Xylene	NC	n	Surrogate recovery low.
Y3704	TP-65 RE	Styrene	NC	nn	Surrogate recovery low.
Y3704	TP-65 RE	Tetrachloroethene	NC	m	Surrogate recovery low.
Y3704	TP-65DL	Aluminum	NC	ſ	Serial dilution %D > 10%
Y3704	TP-65DL	Barium	SC	ſ	Serial dilution %D > 10%
Y3704	TP-65DL	Calcium	NC	ŋ	Serial dilution %D > 10%
Y3704	TP-65DL	Chromium	NC	Ŋ	Serial dilution %D > 10%

Spaulding Fibre Site Data Qualification Summary Table 2

Sample Name	Constituent(s)	New Result	Qualifier	Reason
TP-65DL	Iron	NC	ŗ	Serial dilution %D > 10%
TP-65DL	Lead	NC	ſ	Serial dilution %D > 10%
TP-65DL	Magnesium	NC	ſ	Serial dilution %D > 10%
TP-65DL	Manganese	NC	ŋ	Serial dilution %D > 10%
TP-65DL	Nickel	NC	ſ	Serial dilution %D > 10%
TP-65DL	Vanadium	NC	ſ	Serial dilution %D > 10%
TP-65DL	Zinc	NC	ſ	Serial dilution %D > 10%
TP7 1.0-1.5 F	Bromoform	NC	Ω	Surrogate Recovery Low
TP7 1.0-1.5 F	Chlorobenzene	NC	ΩĴ	Surrogate Recovery Low
TP7 1.0-1.5 F	Dichlorodifluoromethane	NC	Ωĵ	LCS recovery below standard.
TP7 1.0-1.5 F	Ethyl Benzene	NC	n	Surrogate Recovery Low
1.0-1.5 F	m/p-Xylenes	NC	m	Surrogate Recovery Low
TP7 1.0-1.5 F	Mercury	0.2	n	Initial calibration blank contamination.
TP7 1.0-1.5 F	o-Xylene	NC	m	Surrogate Recovery Low
TP7 1.0-1.5 F	Styrene	NC	m	Surrogate Recovery Low
TP7 1.0-1.5 F	Tetrachloroethene	NC	ſ	Surrogate Recovery Low
TP7 1.0-1.5 FDL	2,4-Dinitrophenol	NC	anr	Continuing Calibration > +/- 25%
TP7 1.0-1.5 FRE	1,1,2,2-Tetrachloroethane	NC	n	Surrogate Recovery Low
TP7 1.0-1.5 FRE	1,1,2,2-Tetrachloroethane	NC	UJ	Surrogate Recovery Low
TP7 1.0-1.5 FRE	1,2,4-Trichlorobenzene	NC	Ω	Surrogate Recovery Low
TP7 1.0-1.5 FRE	1,2,4-Trichlorobenzene	NC	M	Surrogate Recovery Low
TP7 1.0-1.5 FRE	1,2-Dibromo-3-Chloropropane	NC	m	Surrogate Recovery Low
TP7 1.0-1.5 FRE	1,2-Dibromo-3-Chloropropane	NC	m	Surrogate Recovery Low
TP7 1.0-1.5 FRE	1,2-Dichlorobenzene	NC	m	Surrogate Recovery Low
TP7 1.0-1.5 FRE	1,2-Dichlorobenzene	NC	n	Surrogate Recovery Low
TP7 1.0-1.5 FRE	1,3-Dichlorobenzene	NC	ΩĴ	Surrogate Recovery Low
TP7 1.0-1.5 FRE	1,3-Dichlorobenzene	NC	ΩĴ	Surrogate Recovery Low
TP7 1.0-1.5 FRE	1,4-Dichlorobenzene	NC	ΩĴ	Surrogate Recovery Low
TP7 1.0-1.5 FRE	1,4-Dichlorobenzene	NC	Ω	Surrogate Recovery Low
TP7 1.0-1.5 FRE	Chloromethane	NC	m	LCS recovery below standard.
TP7 1.0-1.5 FRE	Dichlorodifluoromethane	NC	m	LCS recovery below standard.
TP7 1.0-1.5 FRE	Isopropylbenzene	NC	m	Surrogate Recovery Low
TP7 1.0-1.5 FRE	Isopropylbenzene	NC	m	Surrogate Recovery Low
TP7 2-3 N	Dichlorodifluoromethane	NC	n	LCS recovery below standard.
TP7 2-3 N	Mercury	0.2	n	Initial calibration blank contamination.
TD8 1-2 E	1 1 2 2-Tetrachloroethane	JN		Stronger Percent

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Spaulding Fibre Site Data Qualification Summary

													7				ation.													-	1,				
Reason	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	LCS recovery below standard	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Initial calibration blank contamination.	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	LCS recovery below standard.	LCS recovery below standard.	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low	Surrogate Recovery Low				
Qualifier	ſΩ	3	3	n	3	3	m	3	3	S	3	m	m	3	S	n	n	3	3	7	S	3	ß	m	U	n	UJ	n	nı	n	n	m	Ω	m	=======================================
New Result Qualifier	SC	SC	S	SC	SC	SC	SC	S	SC	NC	NC	NC	NC	S	S	S	0.2	S	SC	NC	S	S	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	CIV
Constituent(s)	1,2,4-Trichlorobenzene	1,2-Dibromo-3-Chloropropane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichlorobenzene	1,4-Dichlorobenzene	2-Butanone	Benzene	Bromodichloromethane	Bromoform	Chlorobenzene	Dichlorodifluoromethane	Ethyl Benzene	Isopropylbenzene	m/p-Xylenes	Mercury	o-Xylene	Styrene	Tetrachloroethene	Trichloroethene	1,1,2,2-Tetrachloroethane	1,2,4-Trichlorobenzene	1,2-Dibromo-3-Chloropropane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Bromoform	Chlorobenzene	Chloromethane	Dichlorodifluoromethane	Ethyl Benzene	Isopropylbenzene	m/p-Xylenes	V-Yylene
Sample Name	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 F	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE	TP8 1-2 FRE
SDG	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423	Y5423

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Table 2
Spaulding Fibre Site
Data Qualification Summary

SDG	Sample Name	Constituent(s)	New Result Qualifier	Qualifier	Reason
Y5423	TP8 1-2 FRE	Tetrachloroethene	S	7	Surrogate Recovery Low
Y5423	TP8 2-3 N	Dichlorodifluoromethane	S	3	LCS recovery below standard.
Y5423	TP8 2-3 N	Mercury	0.2	N	Initial calibration blank contamination.
Y5423	TP8 2-3 N	2,4-Dinitrophenol	NC	m	Continuing Calibration > +/- 25%
Y5423	TP84 1-2 F	1,1,2,2-Tetrachloroethane	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,1,2,2-Tetrachloroethane	NC	rn	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,2,4-Trichlorobenzene	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,2,4-Trichlorobenzene	NC	m	Surrogate Recovery Low
	TP84 1-2 F	1,2-Dibromo-3-Chloropropane	NC	M	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,2-Dibromo-3-Chloropropane	S	n	Surrogate Recovery Low
	TP84 1-2 F	1,2-Dichlorobenzene	S	n	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,2-Dichlorobenzene	S	m	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,3-Dichlorobenzene	S	n	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,3-Dichlorobenzene	NC	n	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,4-Dichlorobenzene	S	m	Surrogate Recovery Low
Y5423	TP84 1-2 F	1,4-Dichlorobenzene	S	m	Surrogate Recovery Low
	TP84 1-2 F	Dichlorodifluoromethane	NC	m	LCS recovery below standard.
	TP84 1-2 F	Di-n-butylphthalate	NC	7	RPDduplicate precision > 100%
Y5423	TP84 1-2 F	Isopropylbenzene	NC	ß	Surrogate Recovery Low
Y5423	TP84 1-2 F	Isopropylbenzene	NC	m	Surrogate Recovery Low
	TP84 1-2 F	Mercury	0.2	n	Initial calibration blank contamination.
	TP84 1-2 F	Methylene Chloride	NC	UJ	Field duplicate precision.
Y5423	TP84 1-2 F DUP	1,1,2,2-Tetrachloroethane	NC	m	Surrogate Recovery Low
	TP84 1-2 F DUP	1,2,4-Trichlorobenzene	NC	m	Surrogate Recovery Low
	TP84 1-2 F DUP	1,2-Dibromo-3-Chloropropane	NC	Ω	Surrogate Recovery Low
	TP84 1-2 F DUP	1,2-Dichlorobenzene	NC	n	Surrogate Recovery Low
	TP84 1-2 F DUP	1,3-Dichlorobenzene	NC	ΩĴ	Surrogate Recovery Low
	TP84 1-2 F DUP	1,4-Dichlorobenzene	NC	ΩĴ	Surrogate Recovery Low
	TP84 1-2 F DUP	Dichlorodifluoromethane	NC	m	LCS recovery below standard.
	TP84 1-2 F DUP	Isopropylbenzene	NC	m	Surrogate Recovery Low
	TP84 1-2 F DUP	Methylene Chloride	NC	ſ	Field duplicate precision.
	TP84 1-2 F DUPRE	1,1,2,2-Tetrachloroethane	NC	n	Surrogate Recovery Low
	TP84 1-2 F DUPRE	1,2,4-Trichlorobenzene	NC	nj	Surrogate Recovery Low
Y5423	TP84 1-2 F DUPRE	1,2-Dibromo-3-Chloropropane	SC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 F DUPRE	1,2-Dichlorobenzene	NC	ΩĴ	Surrogate Recovery Low
	TP84 1-2 F DUPRE	1,3-Dichlorobenzene	NC	m	Surrogate Recovery Low

Table 2
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	m	Surrogate Recovery Low
Y5423	TP84 1-2 F DUPRE	Isopropylbenzene	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	Bromoform	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	Chlorobenzene	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	Di-n-butylphthalate	NC	ſ	RPDduplicate precision > 100%
Y5423	TP84 1-2 FDUP	Ethyl Benzene	NC	rn.	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	m/p-Xylenes	NC	M	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	o-Xylene	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	Styrene	NC	Ωĵ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUP	Tetrachloroethene	NC	ſ	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	Bromoform	NC	n	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	Chlorobenzene	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	Chloromethane	NC	3	LCS recovery below standard.
Y5423	TP84 1-2 FDUPRE	Dichlorodifluoromethane	NC	3	LCS recovery below standard.
Y5423	TP84 1-2 FDUPRE	Ethyl Benzene	NC	3	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	m/p-Xylenes	NC	3	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	o-Xylene	NC	3	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	Styrene	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FDUPRE	Tetrachloroethene	NC	ſ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,1,2,2-Tetrachloroethane	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,2,4-Trichlorobenzene		Ω	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,2-Dibromo-3-Chloropropane		m	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,2-Dichlorobenzene	NC	n	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,3-Dichlorobenzene	NC	n	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	1,4-Dichlorobenzene	NC	UJ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Bromoform	NC	Ωĵ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Chlorobenzene	NC	Ωĵ	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Chloromethane	NC	m	LCS recovery below standard.
Y5423	TP84 1-2 FRE	Dichlorodifluoromethane	NC	m	LCS recovery below standard.
Y5423	TP84 1-2 FRE	Ethyl Benzene	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Isopropylbenzene	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	m/p-Xylenes	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	o-Xylene	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Styrene	NC	m	Surrogate Recovery Low
Y5423	TP84 1-2 FRE	Tetrachloroethene	NC	r	Surrogate Recovery Low
Y5423	TP84 2-3 N	Chloromethane	NC	Ωĵ	LCS recovery below standard.

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Data Qualification Summary Spaulding Fibre Site

200	Comple Name	(0)#110111110100	Al		
200	Sample Name	(s) Line (s)	New Result Quantier	Cammer	Keason
Y5423	TP84 2-3 N	Dichlorodifluoromethane	NC	3	LCS recovery below standard.
Y5423	TP84 2-3 N	Mercury	0.2	ח	Initial calibration blank contamination.
Y5423	TP9 2-3 N	Dichlorodifluoromethane	NC	m	LCS recovery below standard.
Y5423	TP9 2-3 N	Mercury	0.2	ח	Initial calibration blank contamination.
Y5423	TP9 2-3 N	Tetrachloroethene	NC	_	LCS recovery above standard.
Y5423	TP9 2-3 N	2,4-Dinitrophenol	NC	3	Continuing Calibration > +/- 25%

% 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

RSD: Relative Standard Deviation RRF: Relative Response Factor

SDG: Sample Delivery Group

U: Not detected above MDL.