

February 4, 2021

Mohsen Kourehdar
Washington State Department of Ecology
PO Box 47600
Olympia, Washington 98504-7600

SUBJECT: B&L WOODWASTE SITE JANUARY 2021 COMPLIANCE MONITORING REPORT

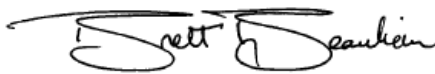
Dear Mr. Kourehdar:

On behalf of the B&L Woodwaste Custodial Trust, we are submitting the results of compliance monitoring completed at the B&L Woodwaste site in January 2021.

Groundwater and surface water sampling and analysis were completed in accordance with the 2013 Compliance Monitoring Plan and 2017 Compliance Monitoring Plan Addendum, with minor changes to the locations sampled as requested by the Washington State Department of Ecology and as noted in previous reports. Surface water locations SW-2 and SW-5, which are generally sampled only in October, were added to the sampling program during this event. A Compliance Screening Tier 1 data quality review was performed on arsenic data resulting from laboratory analysis. Data were determined to be of acceptable quality for use as reported by the laboratory. The results are presented in the enclosed table and attachments.

We look forward to discussing the results with you.

Sincerely,
FLOYD | SNIDER



Brett Beaulieu, LHG
Associate Principal Hydrogeologist

Encl.: Table 1 Groundwater Arsenic Results
Table 2 Surface Water Arsenic Results
Attachment 1 Time-Concentration Plots
Attachment 2 Laboratory Analytical Report
Copies: Dan Silver, B&L Woodwaste Custodial Trustee

Tables

Table 1
Groundwater Arsenic Results ⁽¹⁾

Sample Location	Upper Sand Aquifer																									Lower Sand Aquifer						
	Total Arsenic (µg/L)																									Total Arsenic (µg/L)						
	D-5U	D-6A	D-7A	D-8A	D-9A	D-10A	MW-13	MW-15	MW-30	MW-31A	MW-33	MW-34	MW-35	MW-41	MW-42	PD-60	PD-141	PD-214	PZ-3A	PZ-4A	PZ-5A	R-14	R-15	R-22	R-23	W-1	W-3	D-5L	D-6B	D-7B	D-8B	MW-40B
Historical Events (cont.)																																
December 2000	280	2,100	3	62	39	270	5,300	3,100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4	4	6	20	NS
September 2000	260	2,000	5	68	58	350	4,600	2,700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4	5	6	20	NS
June 2000	180	1,500	5 U	96	40	250	3,200	2,500	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	20	NS	
March 2000	310	1,600	5 U	150	39	220	6,200	2,300	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	20	NS	
January 2000	300	1,400	5 U	130	40	240	4,300	2,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	6	30	NS	
September 1999	300	1,900	5 U	140	47	310	5,600	3,400	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4	5	6	20	NS	
June 1999	300	1,800	5 U	180	38	260	4,600	2,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	20	NS	
March 1999	340	2,000	5 U	200	39	260	4,600	3,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	6	30	NS	
December 1998	320	980	6	100	38	260	5,700	3,200	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	7	30	NS	
September 1998	290	1,800	5 U	150	52	340	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	20	NS	
June 1998	320	1,900	5 U	69	42	360	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	20	NS	
March 1998	380	2,400	5 U	97	38	350	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	40	NS	
December 1997	480	2,600	5 U	130	41	490	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	7	60	NS	
September 1997	340	2,400	5 U	210	56	390	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	60	NS	
June 1997	390	2,200	5 U	200	49	350	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5	60	NS	
March 1997	360	1,900	5	110	36	340	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	7	60	NS	
January 1997	310	2,000	5 U	130	39	310	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	90	NS	
September 1996	300	2,000	5 U	260	73	470	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	6	5	100	NS	
June 1996	NS	NS	5 U	130	49	470	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	100	NS	
March 1996	NS	NS	5 U	150	39	420	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	100	NS	
December 1995	NS	NS	5 U	270	44	540	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5	100	NS	
June 1995	300	2,200	5 U	170	55	540	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	200	NS	
March 1995	350	2,400	5 U	180	34	320	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	200	NS	
December 1994	312	2,494	5 U	130	42	492	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	300	NS	
August 1994	314	3,252	5 U	145	84	542	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	400	NS	
May 1994	307	2,745	5 U	133	39	363	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	9	700	NS	
January 1994	284	2,505	5 U	165	64	402	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5 U	5 U	5 U	800	NS	
May 1993	170	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20 U	NS	NS	NS	NS	
August 1990	22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
December 1989	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
September 1989	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Notes:
 1 Reported value is the maximum concentration per location, per sampling date.
 2 The laboratory flagged the result "J" to indicate the internal standard associated with the analyte is out of control limits and the reported concentration is an estimate. The sample was re-run at a 5X dilution and the result was non-detect at a concentration of 5 µg/L.
 3 Well development conducted during the July 2018 event indicated well damage, and associated sediment was biasing results high beginning in October 2017.
 4 No results are reported. Results from sampling during the April 2018 event and follow-up sampling on May 22, 2018, are both biased high from elevated turbidity.
 5 Results are from analyses of groundwater collected on May 22, 2018.

Abbreviations:
 µg/L Micrograms per liter
 NS Not sampled

Qualifiers:
 J Concentration is an estimate.
 U Analyte is undetected at given reporting limit.

Table 2
Surface Water Arsenic Results ⁽¹⁾

Sampling Date	SW-02		SW-03		SW-05	
	Dissolved Arsenic (µg/L)	Total Arsenic (µg/L)	Dissolved Arsenic (µg/L)	Total Arsenic (µg/L)	Dissolved Arsenic (µg/L)	Total Arsenic (µg/L)
Compliance Monitoring Events						
January 2021	3.93	4.20	NS	NS	2.22	4.63
October 2020	19.4	19.3	5.32	7.23	6.98	7.71
October 2019	9.46	14.3	4.89	5.70	7.21	13.9
October 2018	6.37	11.4	4.21	9.14	4.36	10.3
October 2017	5.12	10.2	6.51	8.94	4.62	9.99
October 2016	9.02	8.96	6.96	11.0	7.65	10.6
April 2016	9.00	17.0	8.00	15.0	8.20	17.0
October 2015	10.2	15.4	4.9	6.5	7.5	14.6
April 2015	5.6	7.8	4.4	14.6	7.9	12.1
October 2014	5.9	9.2	3.3	4.1	6.4	12
April 2014	7.6	10.3	5.7	9.6	13.3	18.1
October 2013	10.5	15.6	5.8	9.9	8.4	15.9
April 2013	18.1	22.1	7.9	10.4	11.5	23.4
October 2012	NS	NS	29.4	54.6	11.5	51.2
April 2012	9.3	10.3	4.1	8.2	16.8	24.4
September 2011	8.6	10.1	4.5	5.4	7.9	24.2
April 2011	9.1	9.1	3	6.2	12.4	18.4
October 2010	8	NA	5.3	NA	10.1	NA
April 2010	9.8	10.9	4.5	48	14.3	20.7
October 2009	5.7	7	4.7	8.9	10.1	22.6
April 2009	5.1	8.7	5.6	7	10.5	15.1
October 2008	17.6	25	4.3	8.7	8	54
Historical Events						
December 2006	NS	7	NS	10	NS	14
July 2006	NS	NS	NS	97	NS	65
September 2003	16	53	8	21	NS	NS
June 2003	11	580	NS	NS	NS	NS
March 2003	9	11	11	24	NS	NS
December 2002	5 U	5 U	5 U	5 U	NS	NS
September 2002	10	370	5 U	5 U	NS	NS
June 2002	24	30	14	15	NS	NS
April 2002	22	26	11	17	NS	NS
March 2001	22	75	40	110	NS	NS
December 2000	31	81	24	24	NS	NS
September 2000	13	2,220	92	1,800	NS	NS
June 2000	15	85	37	220	NS	NS
March 2000	23	73	15	20	NS	NS
January 2000	14	18	9	10	NS	NS
June 1999	21	24	8	10	NS	NS
March 1999	10	11	12	19	NS	NS
December 1998	42	40	19	18	NS	NS
March 1997	NS	NS	NS	NS	NS	NS
January 1997	NS	NS	10	9	NS	NS
March 1996	NS	NS	NS	NS	NS	NS
December 1995	NS	NS	NS	NS	NS	NS
June 1995	54	42	21	150	NS	NS
March 1995	31	86	25	41	NS	NS
December 1994	7	14	28	58	NS	NS
August 1994	61	101	60	104	NS	NS
May 1994	41	64	52	95	NS	NS
January 1994	NS	NS	72	222,000	NS	NS
May 1993	90 U	50 U	33	30 U	NS	NS
January 1990	230	370	89	110	NS	NS
November 1989	390	3,400	93	390	NS	NS
October 1989	38	170	49	60	NS	NS

Note:

1 Reported value is the maximum concentration per location, per sampling date.

Abbreviations:

µg/L Micrograms per liter

NA Not analyzed

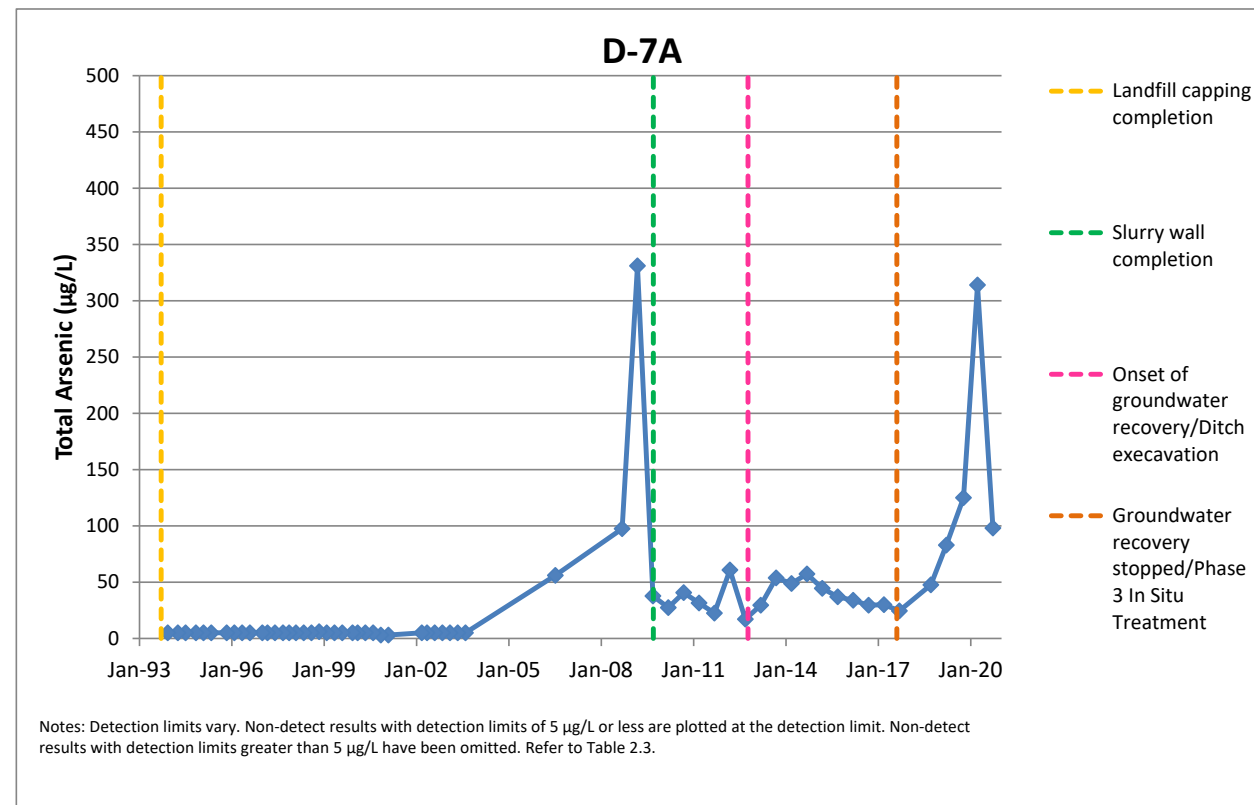
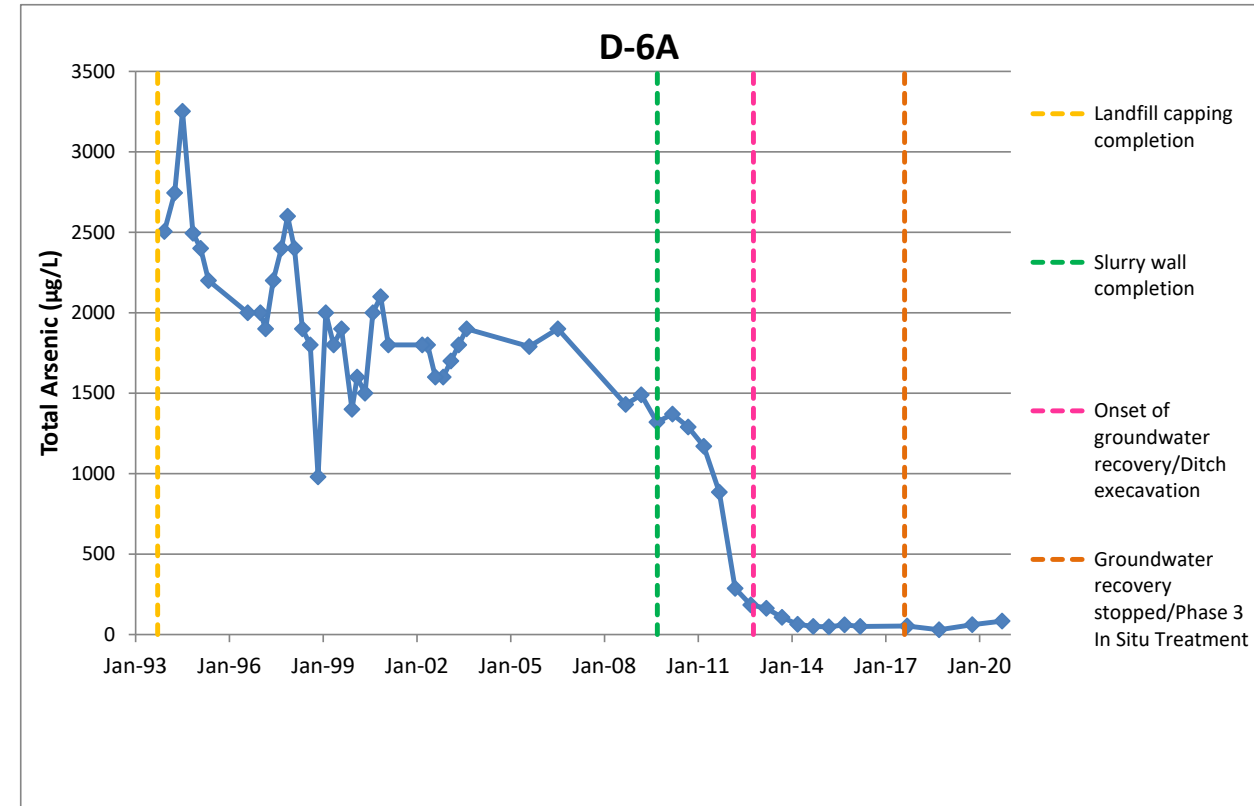
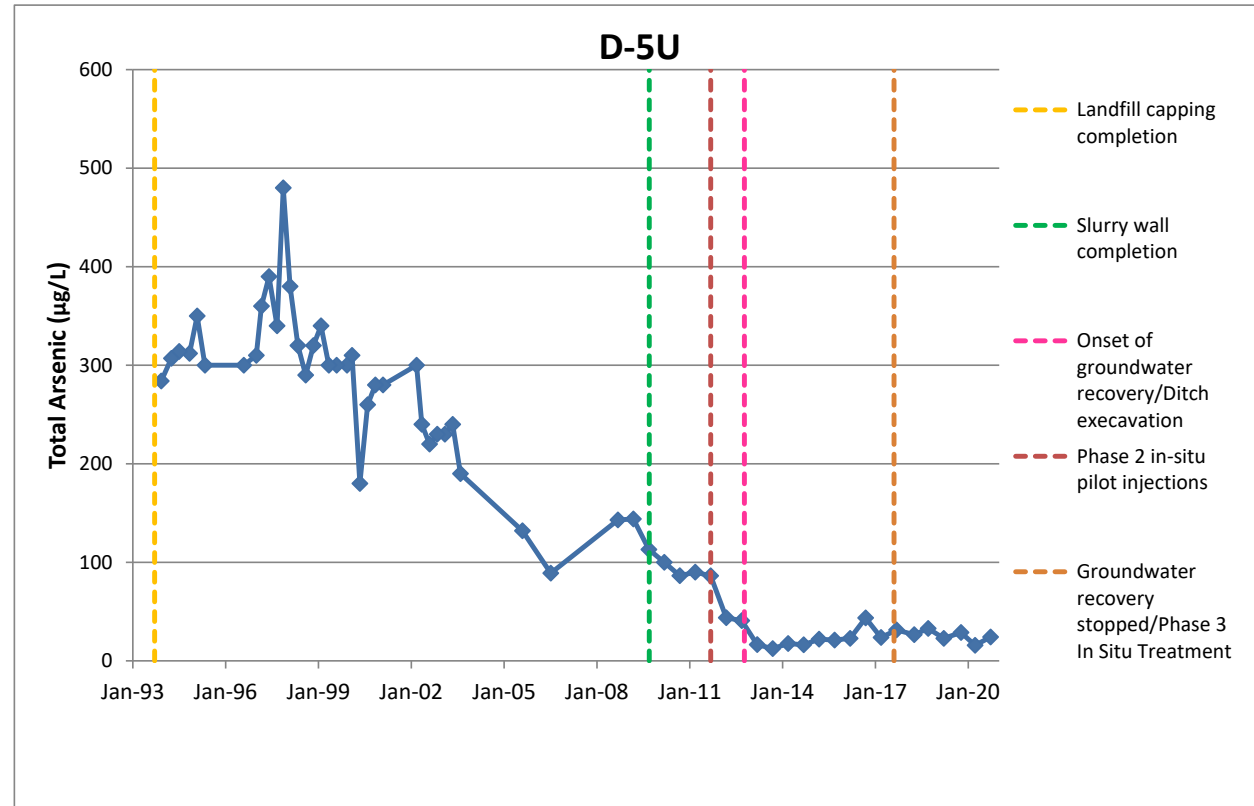
NS Not sampled

Qualifier:

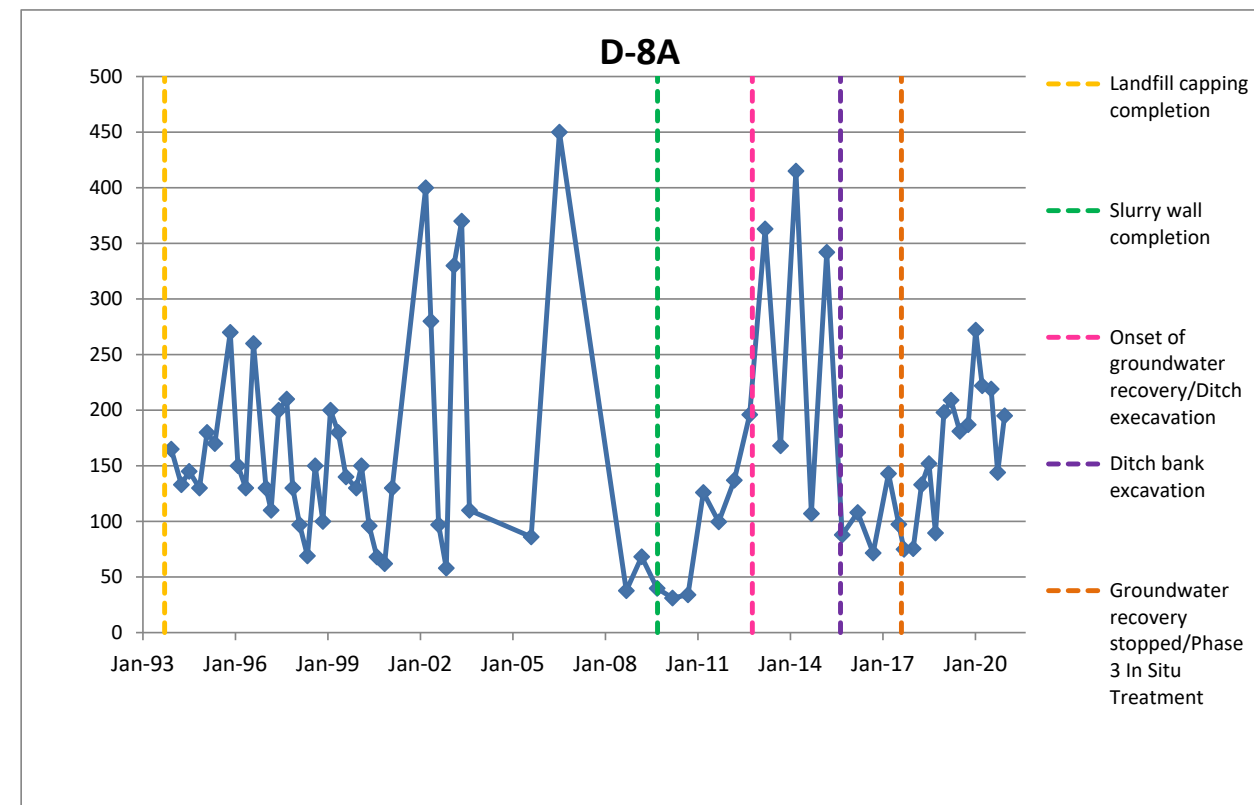
U Analyte is undetected at given reporting limit.

Attachment 1
Time-Concentration Plots

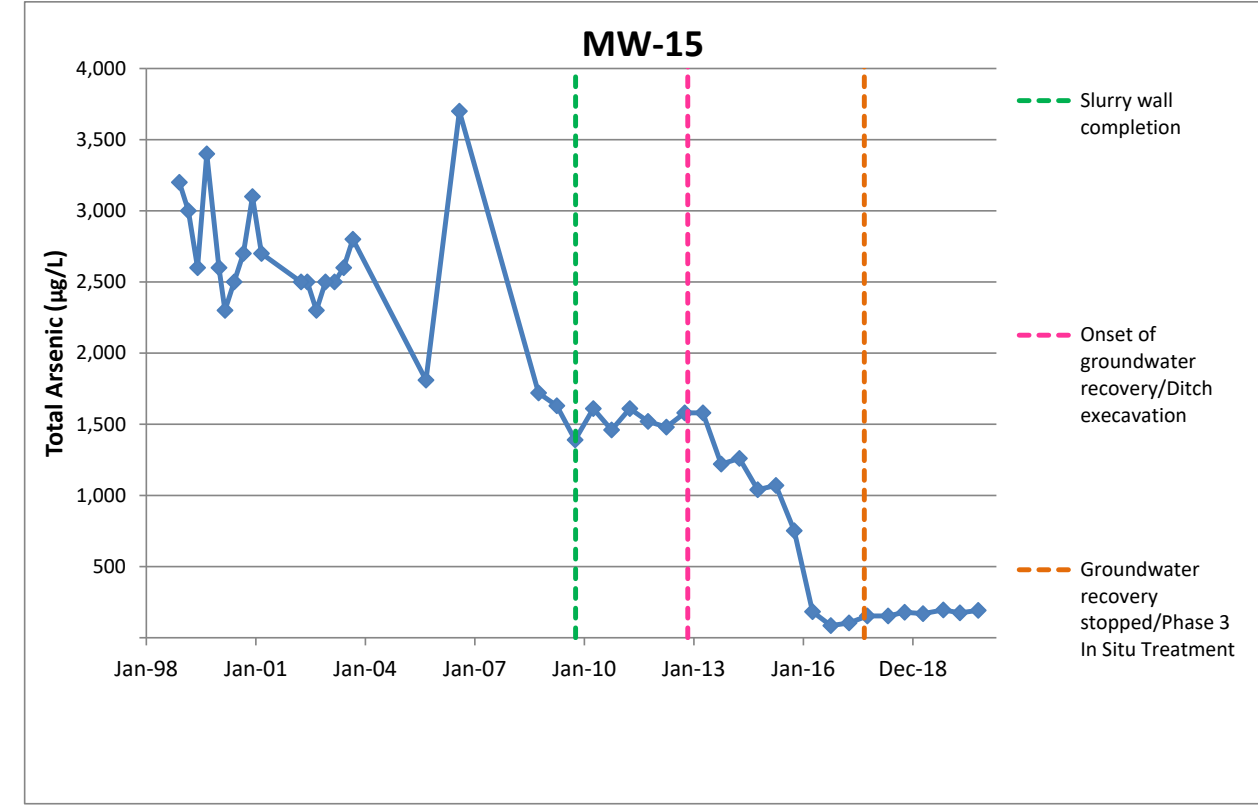
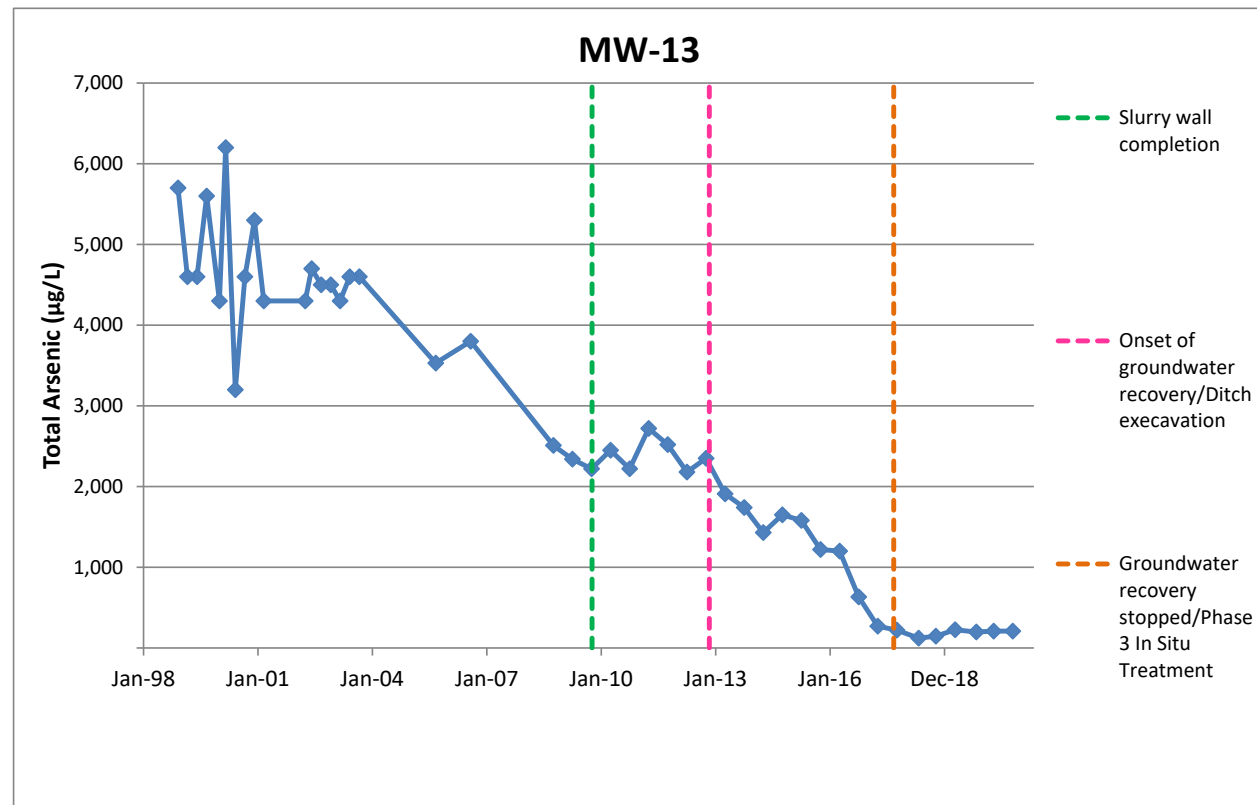
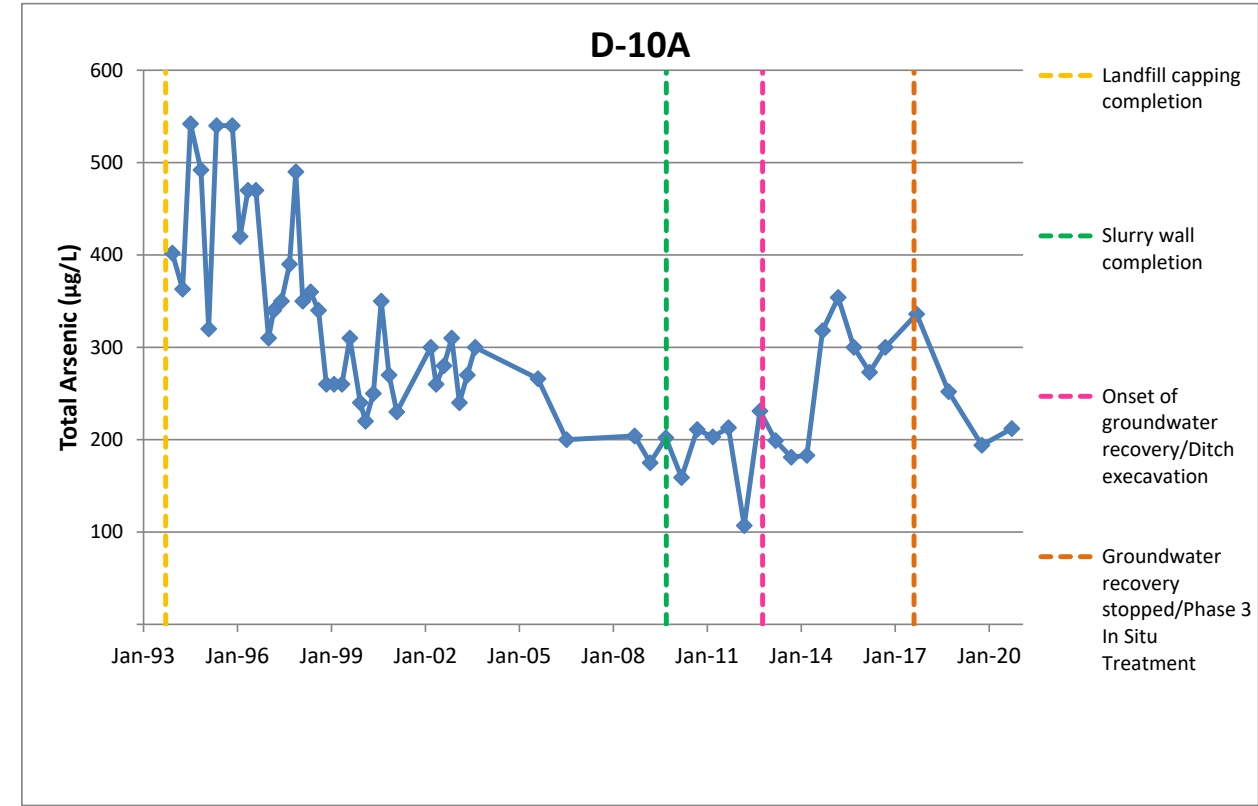
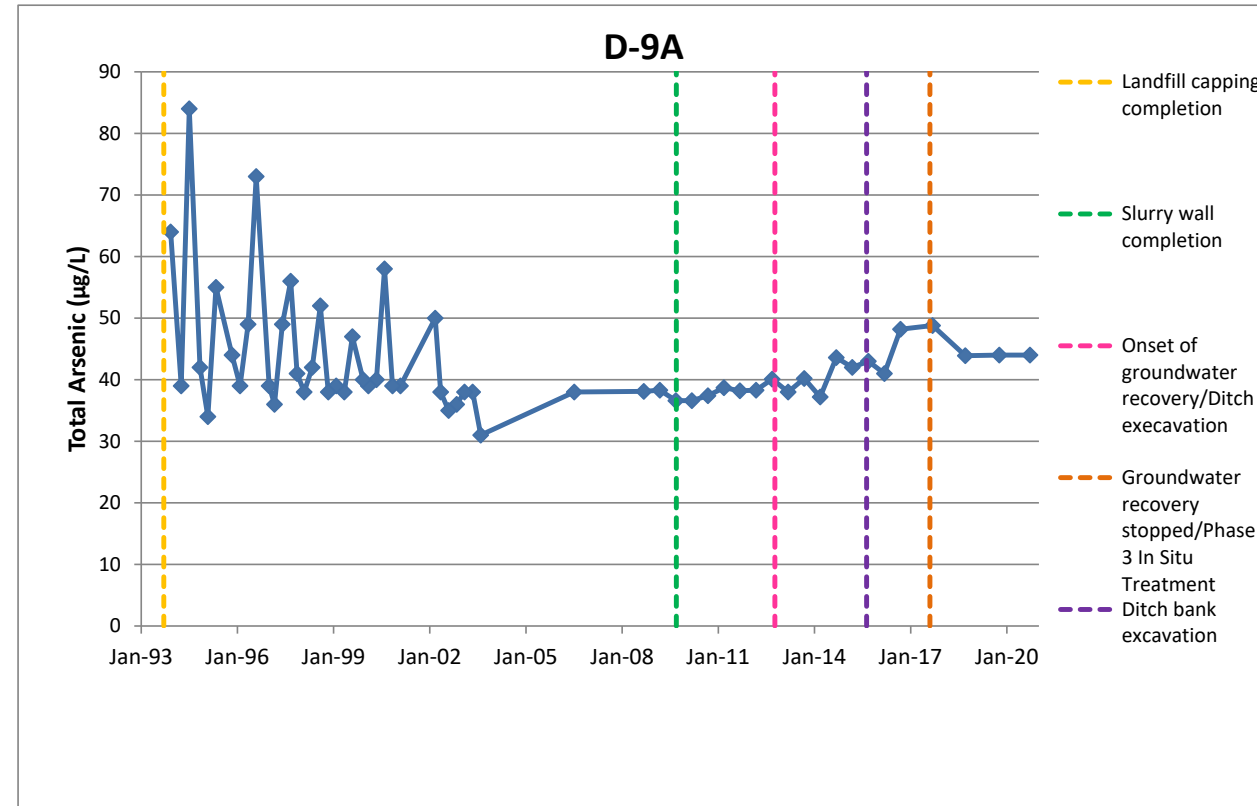
Attachment 1
Time-Concentration Plots



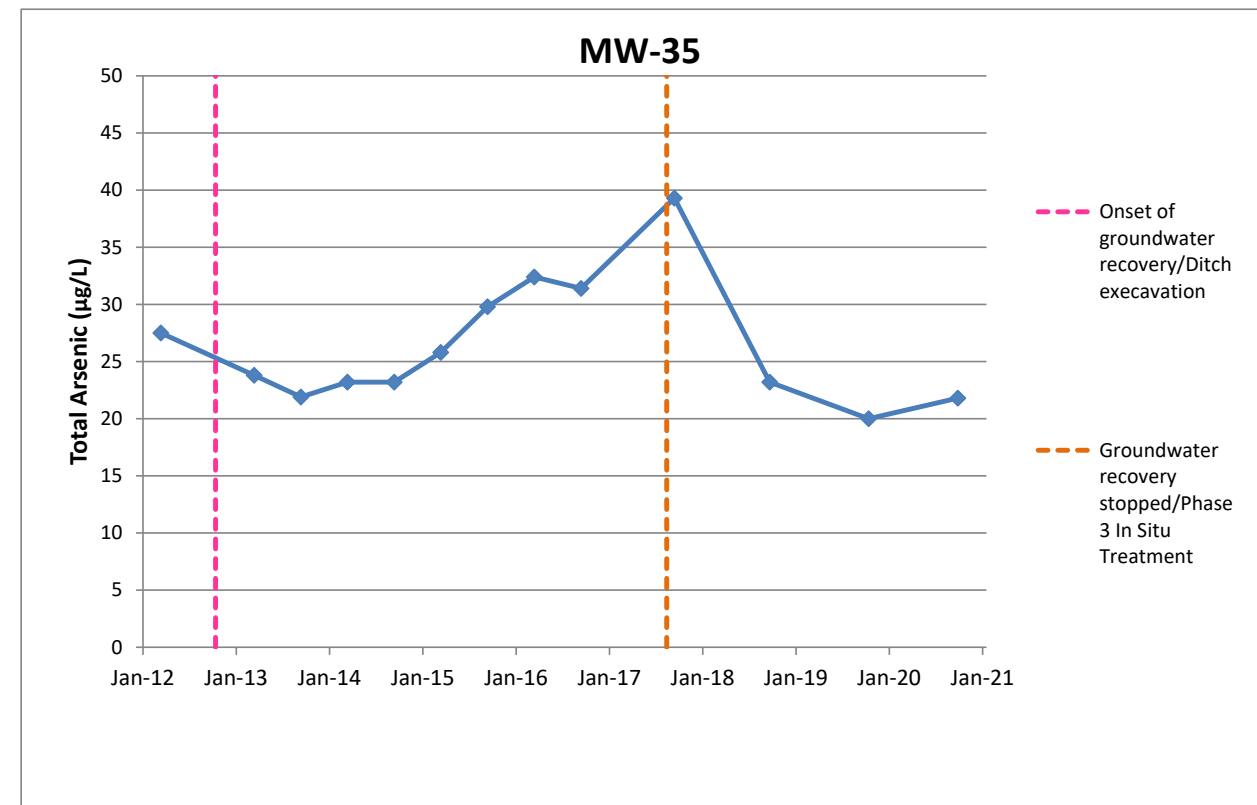
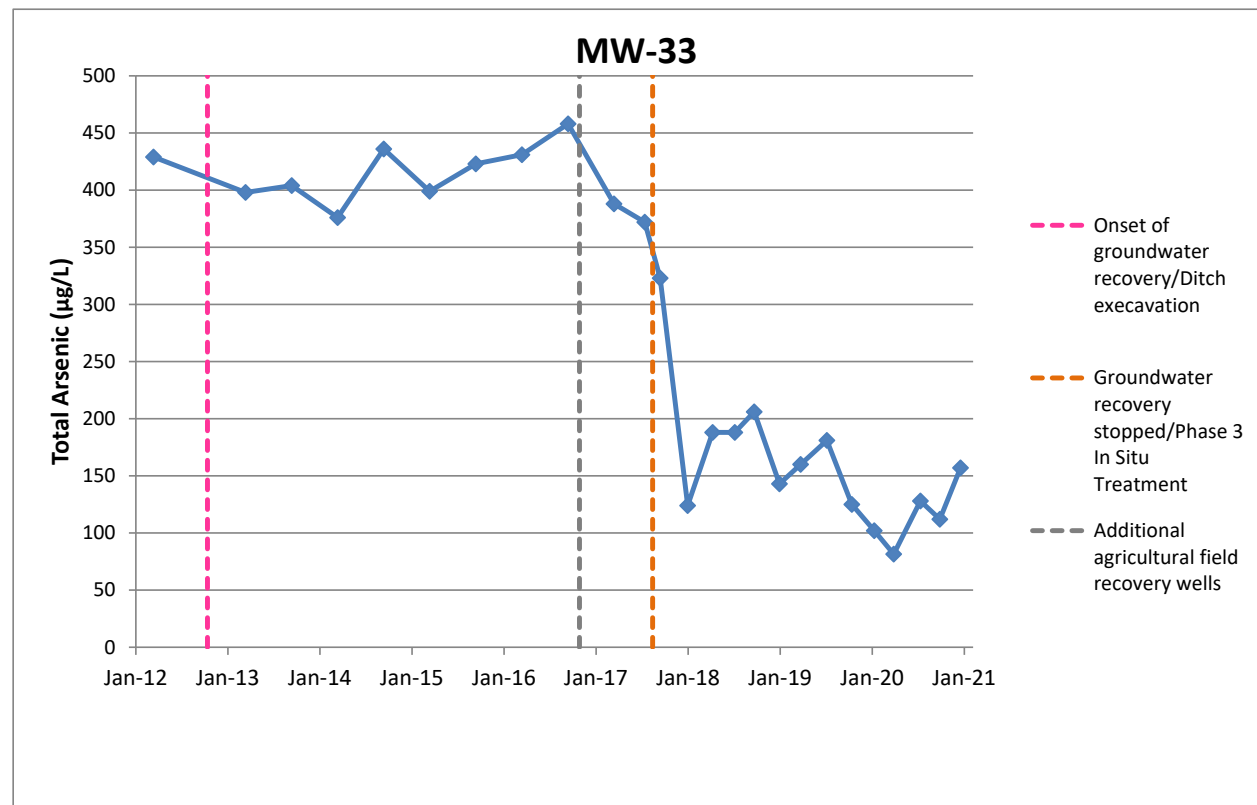
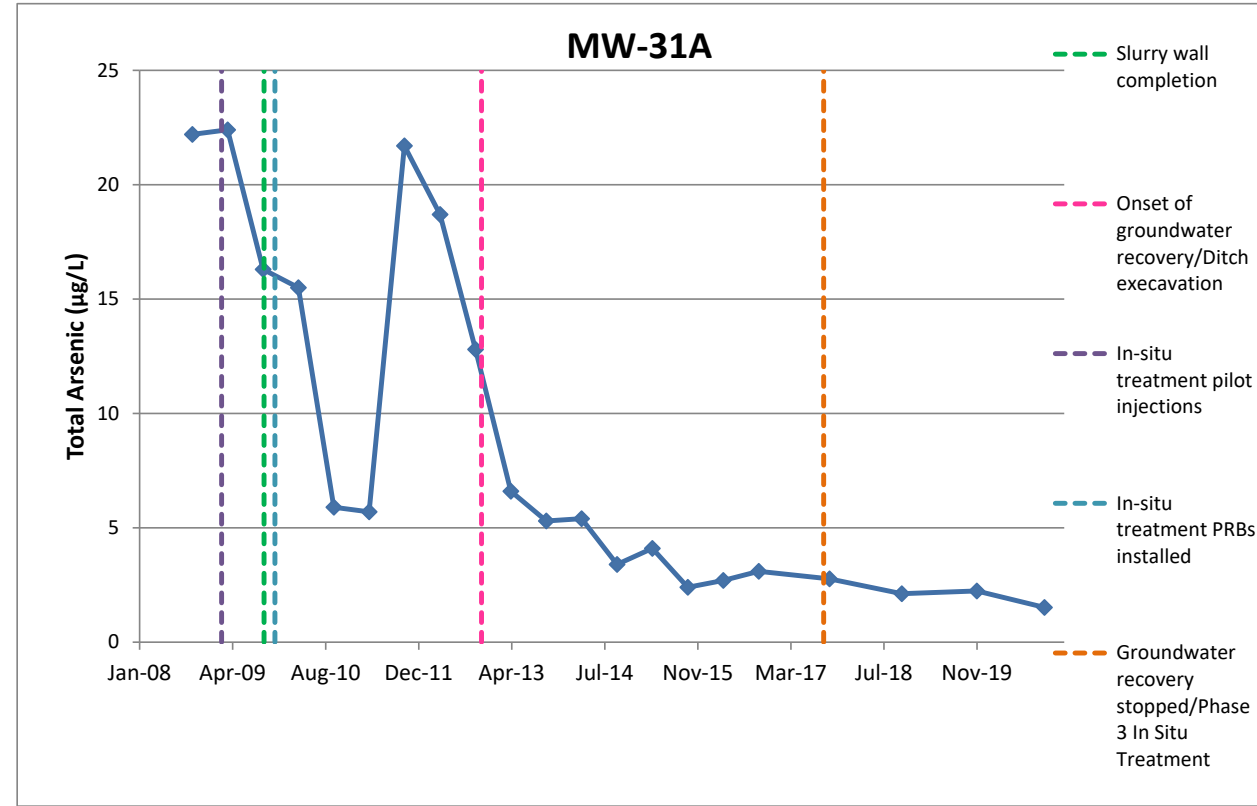
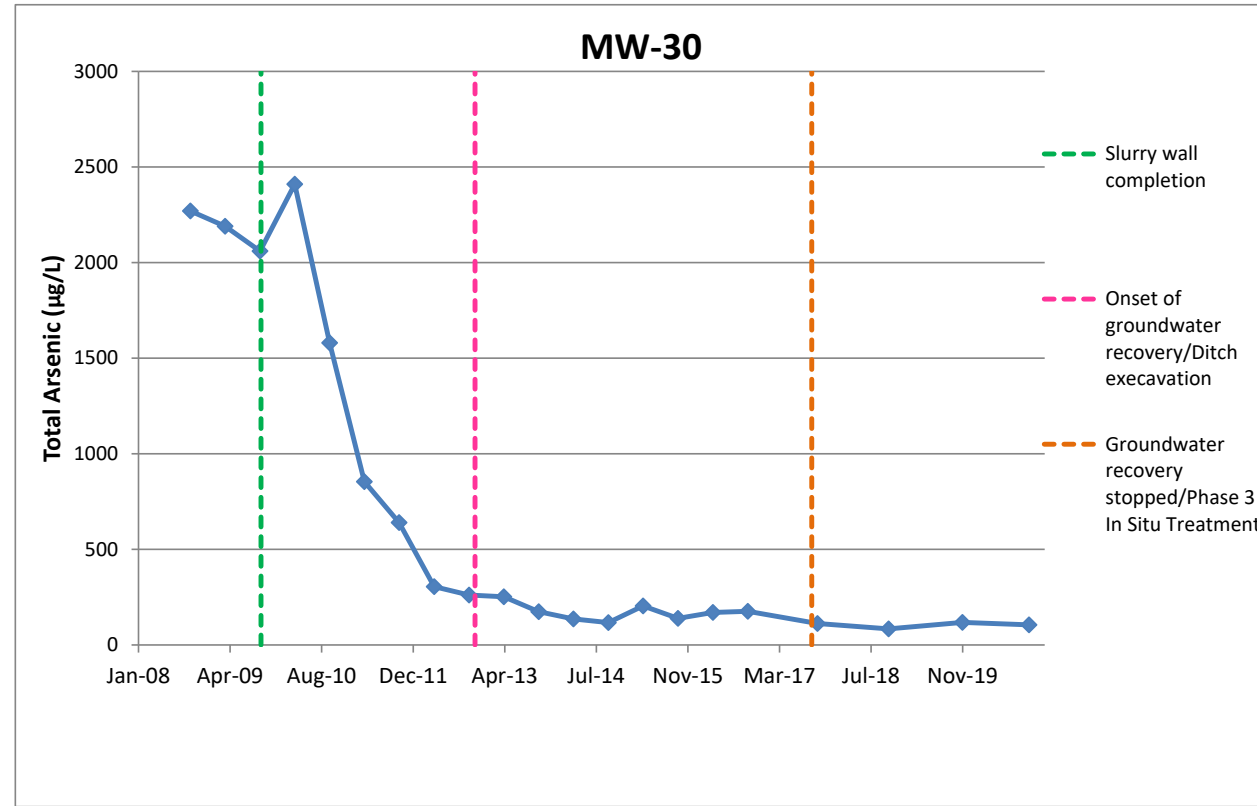
Notes: Detection limits vary. Non-detect results with detection limits of 5 µg/L or less are plotted at the detection limit. Non-detect results with detection limits greater than 5 µg/L have been omitted. Refer to Table 2.3.



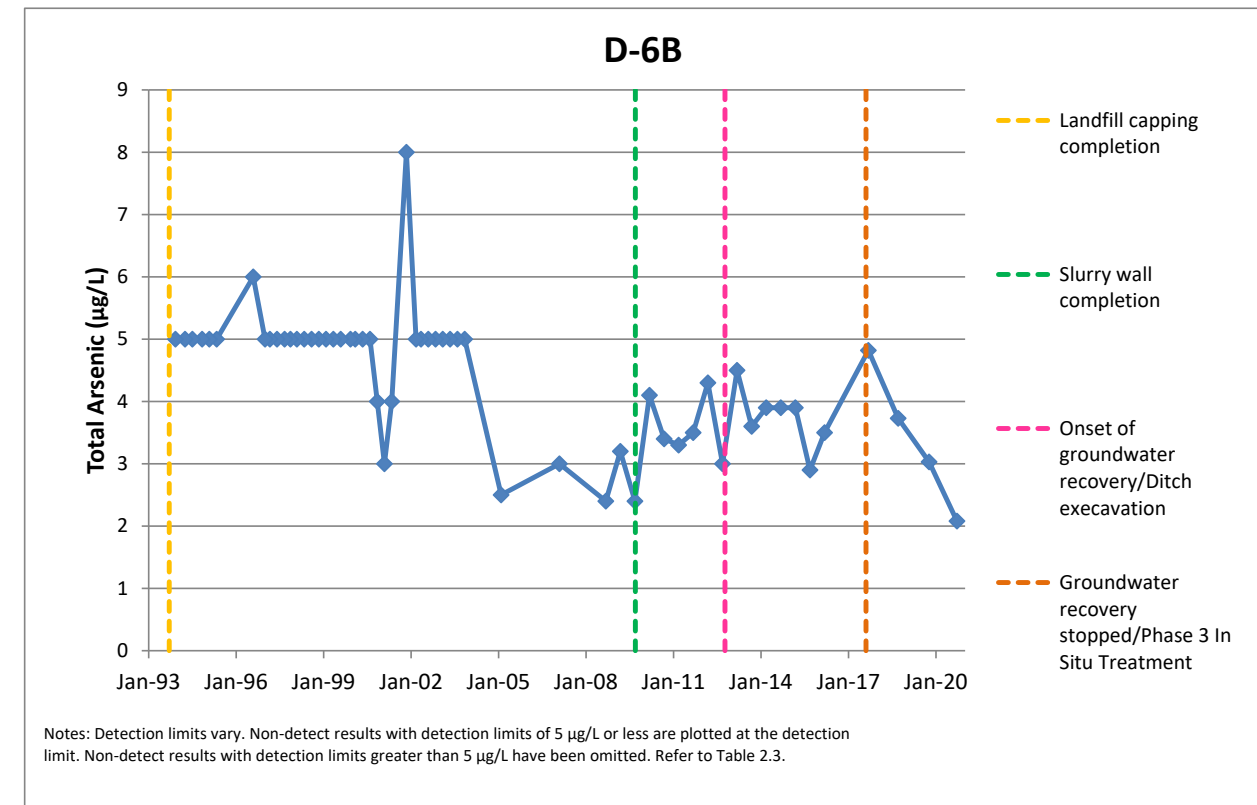
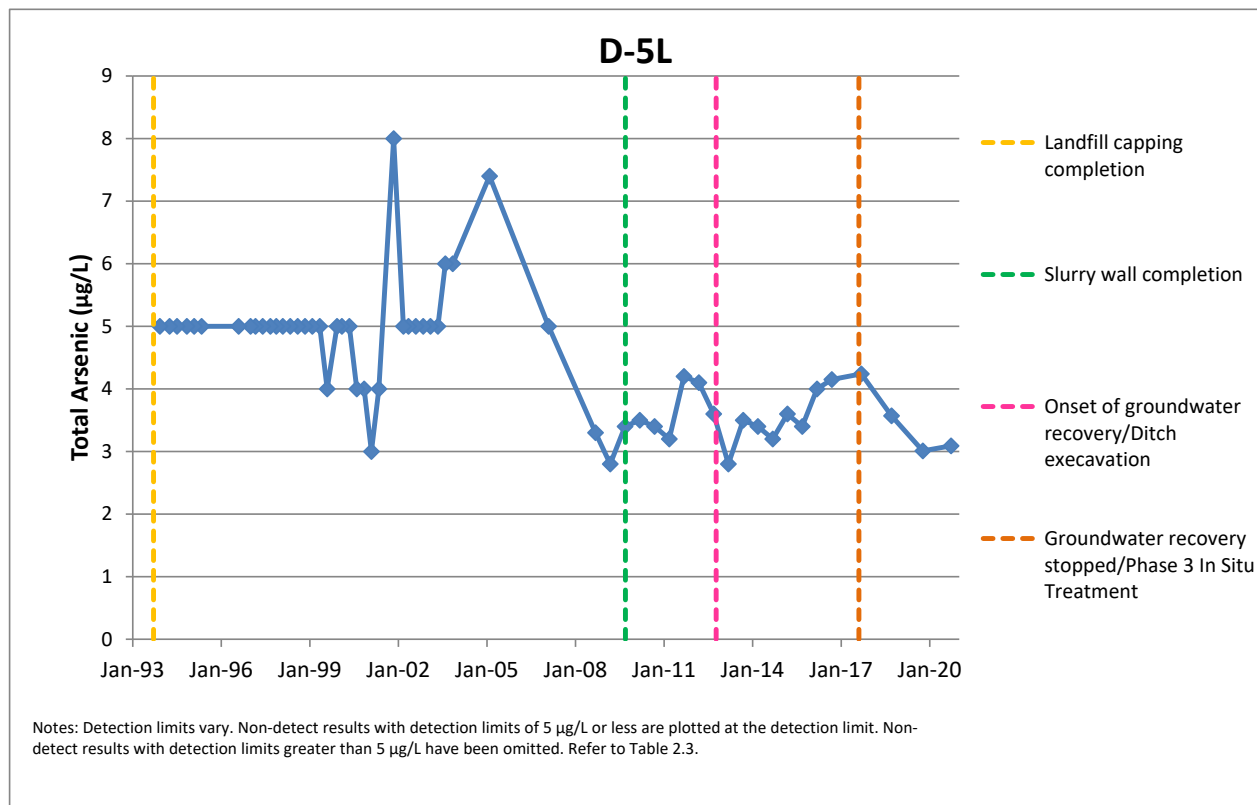
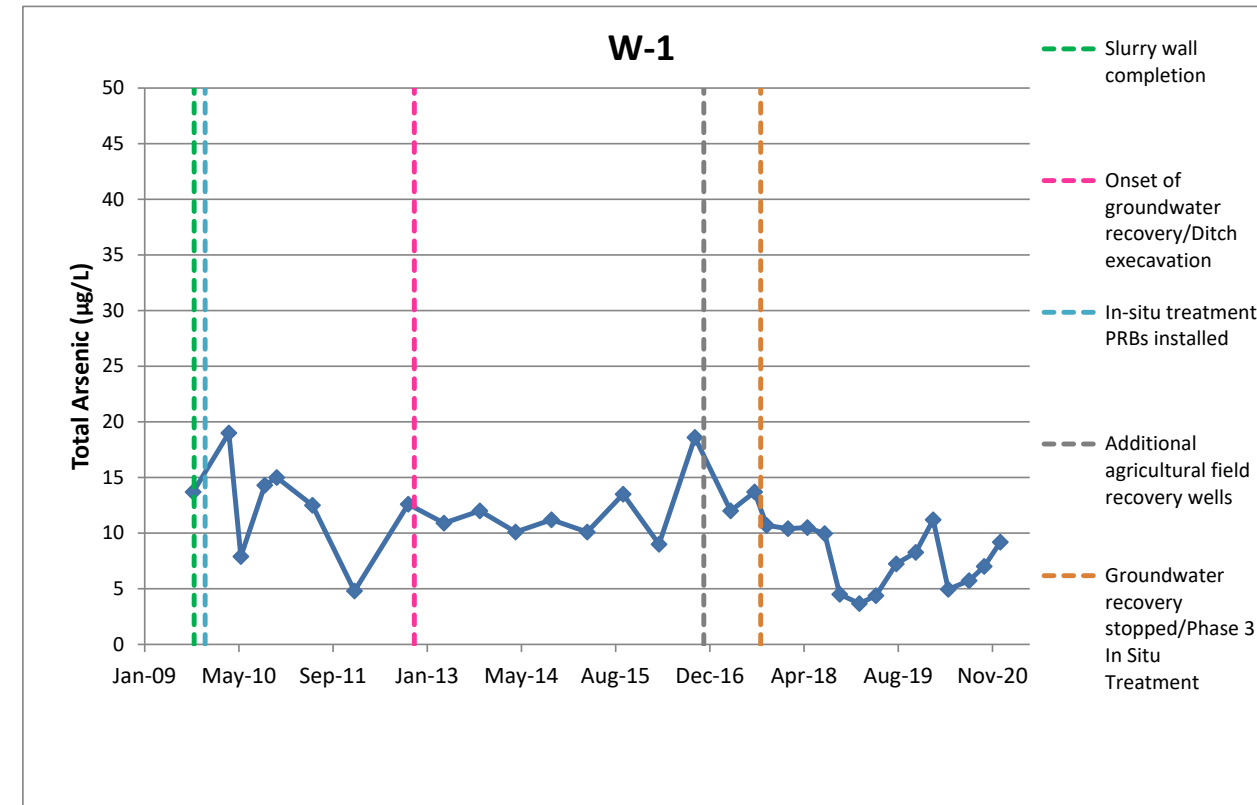
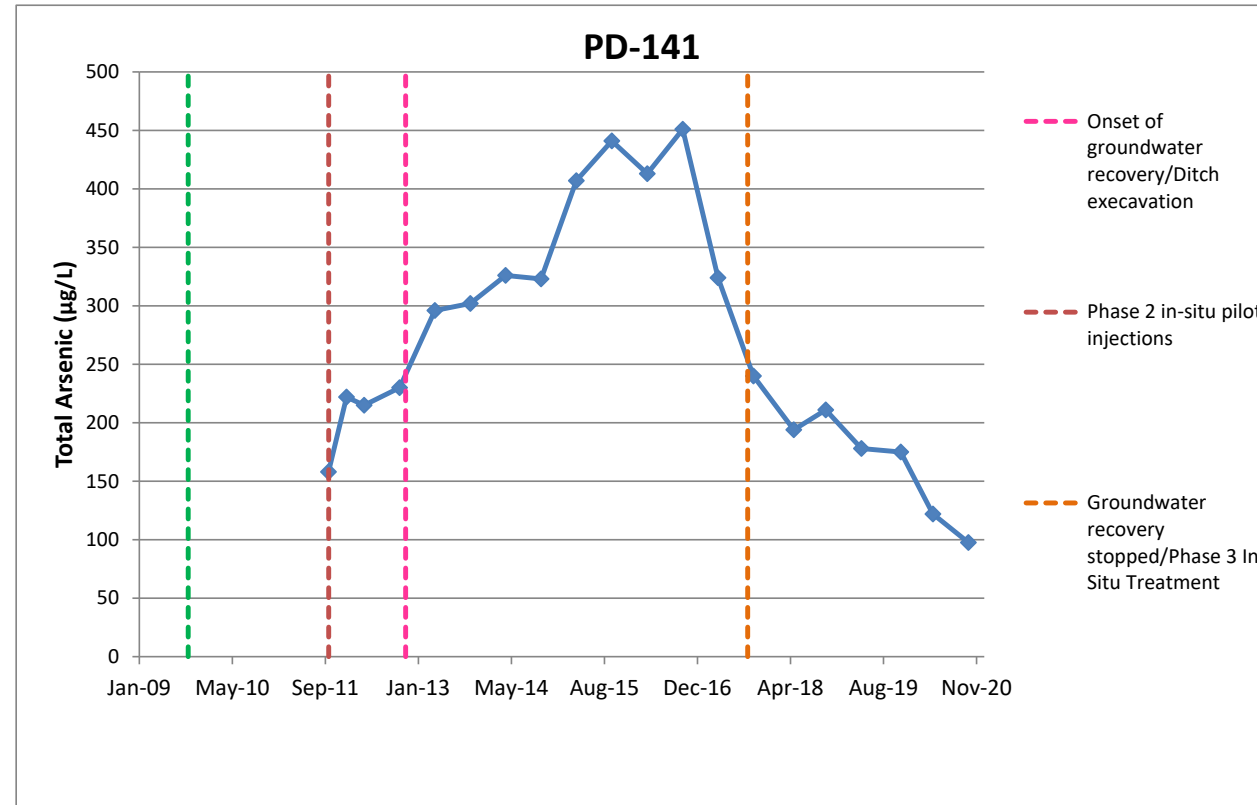
Attachment 1
Time-Concentration Plots



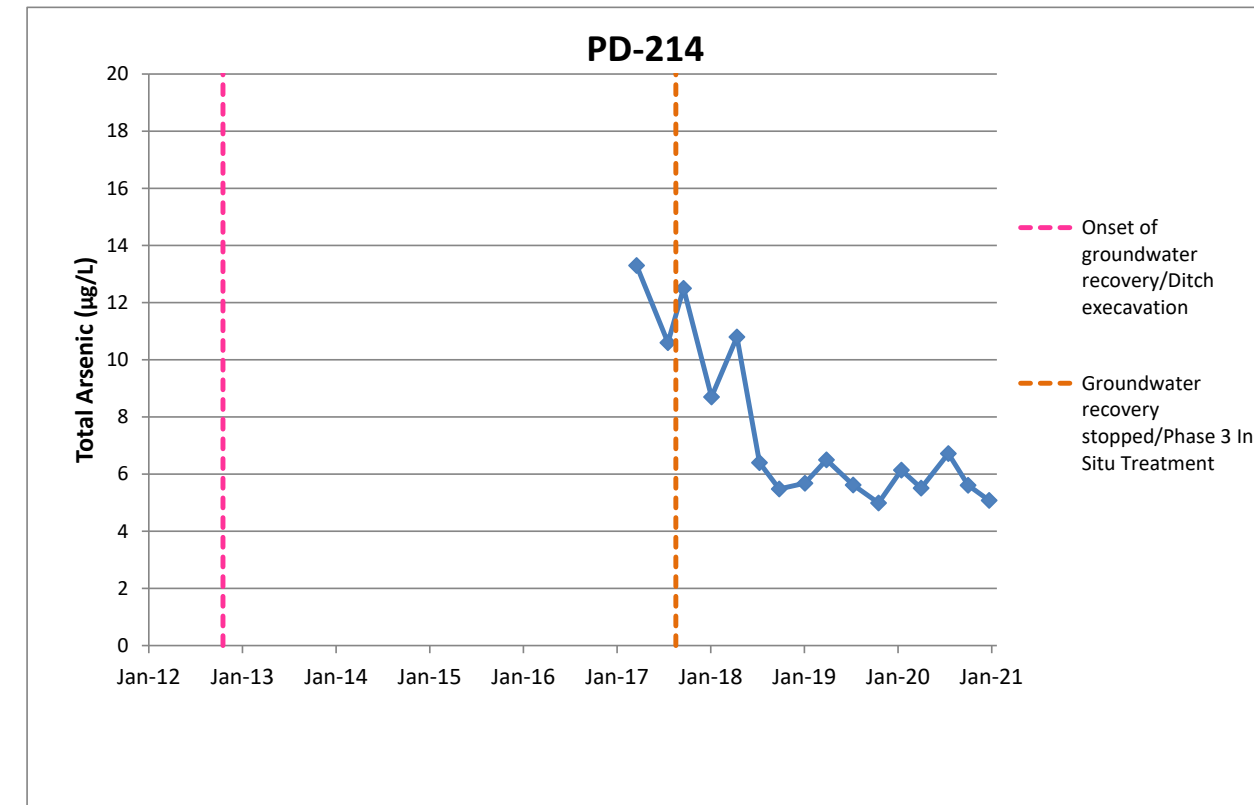
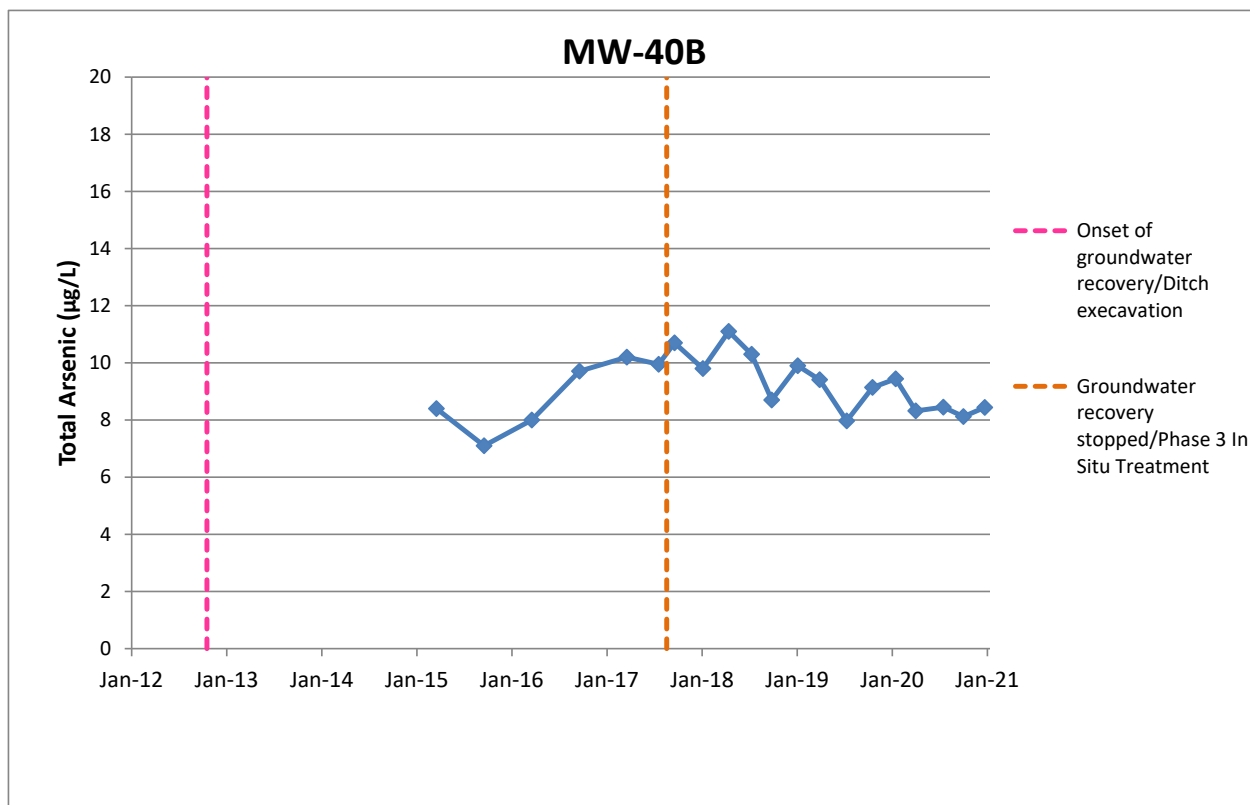
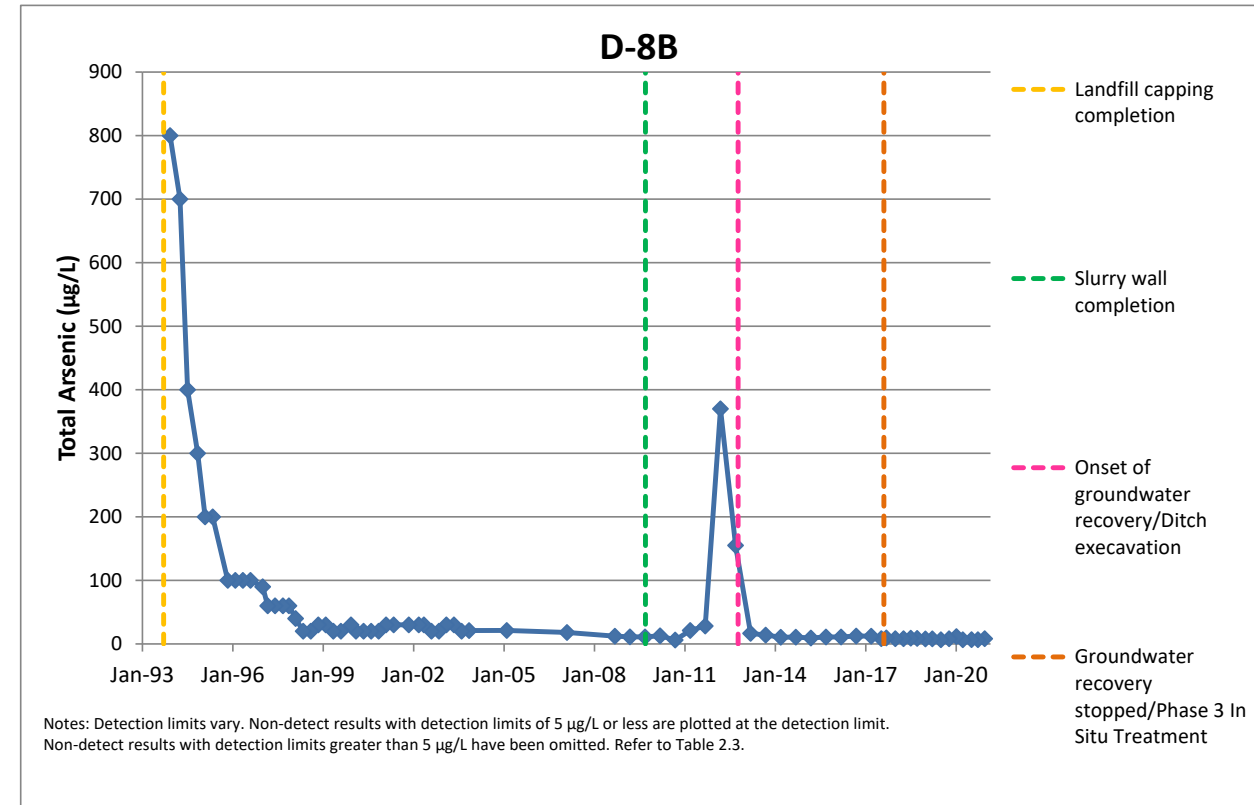
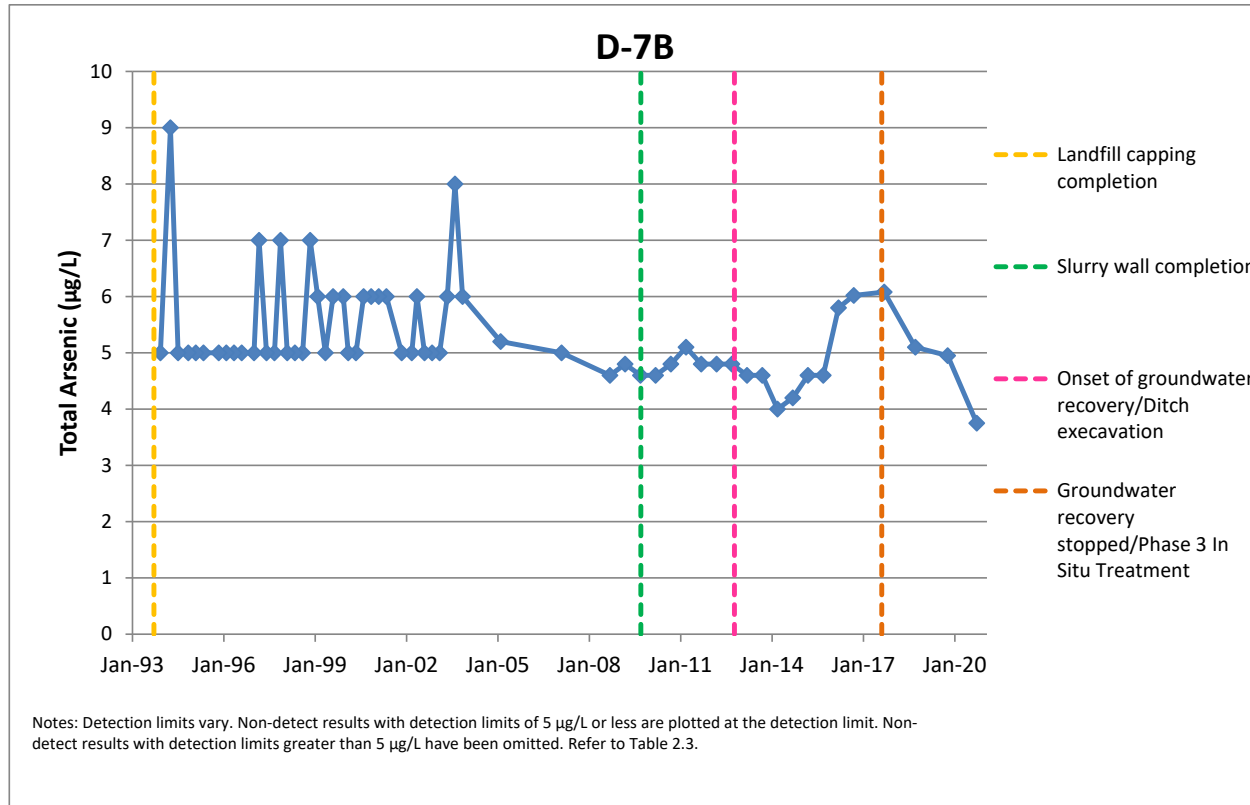
Attachment 1
Time-Concentration Plots



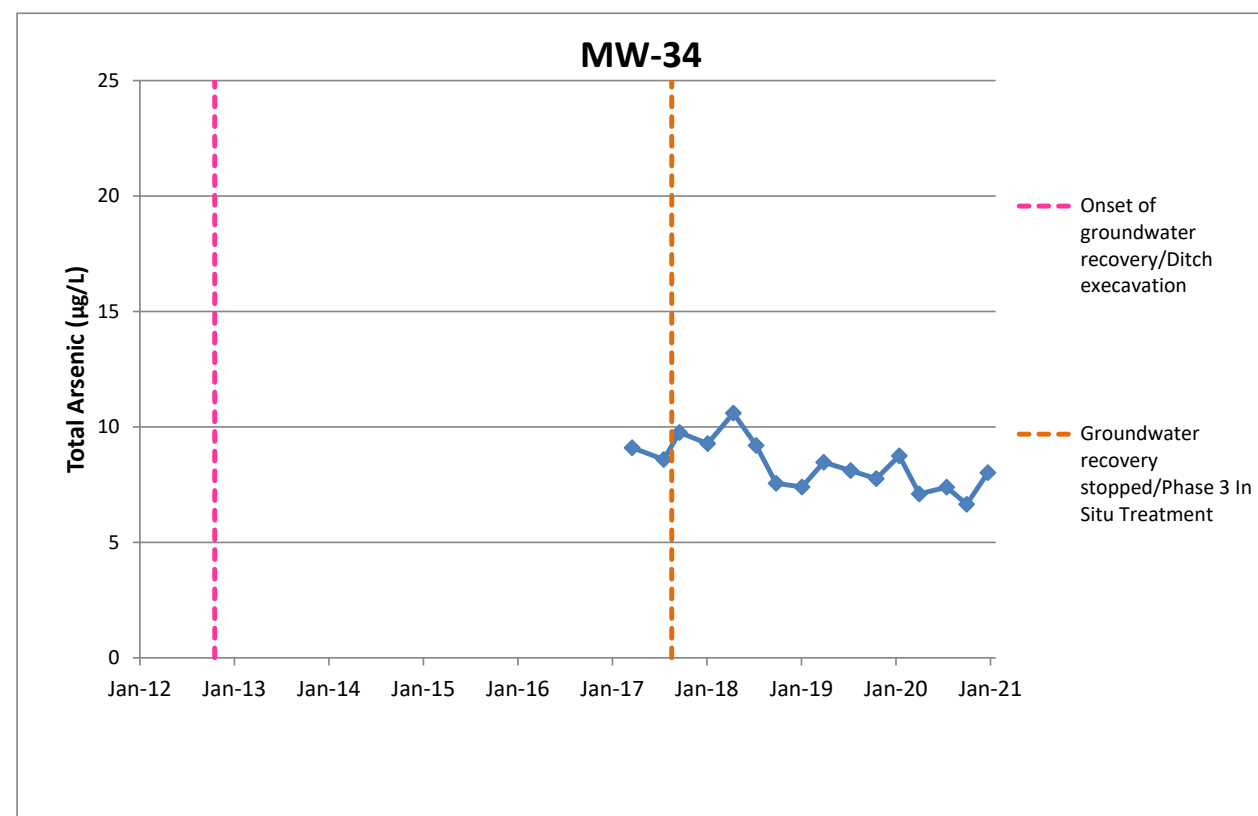
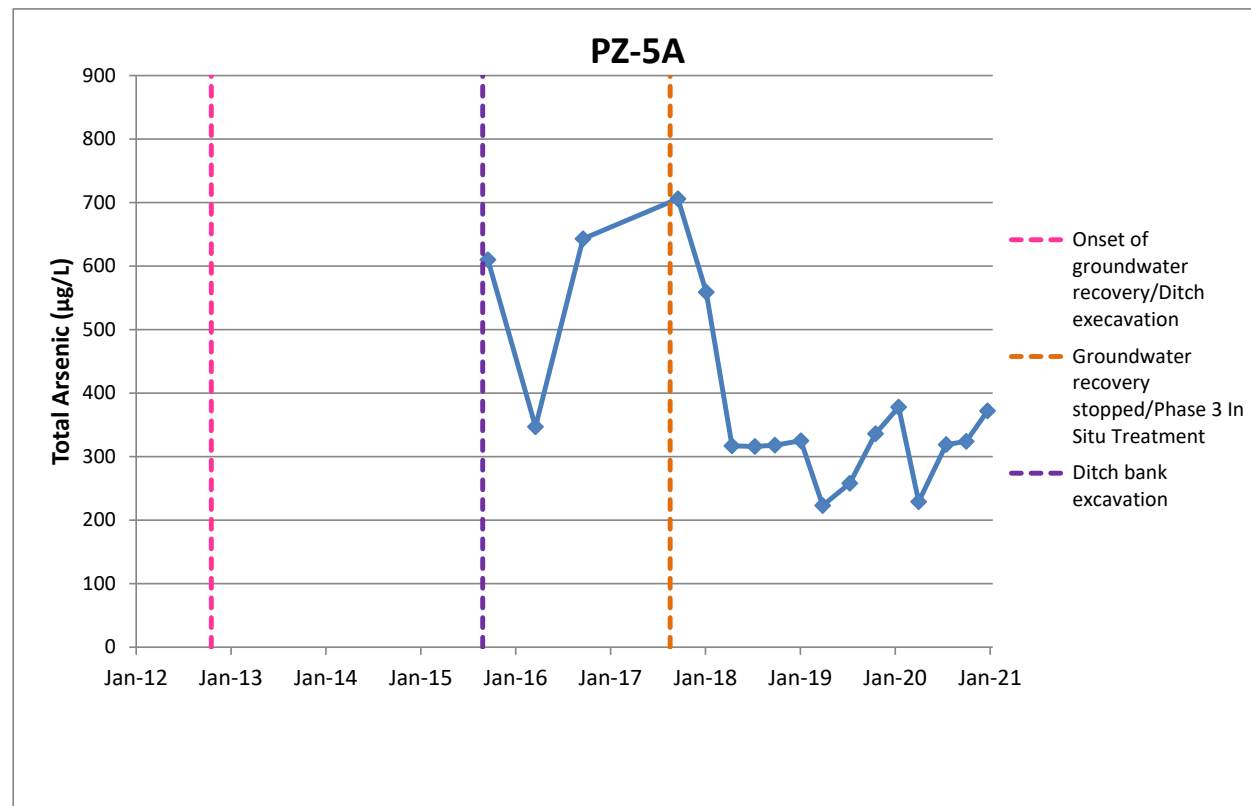
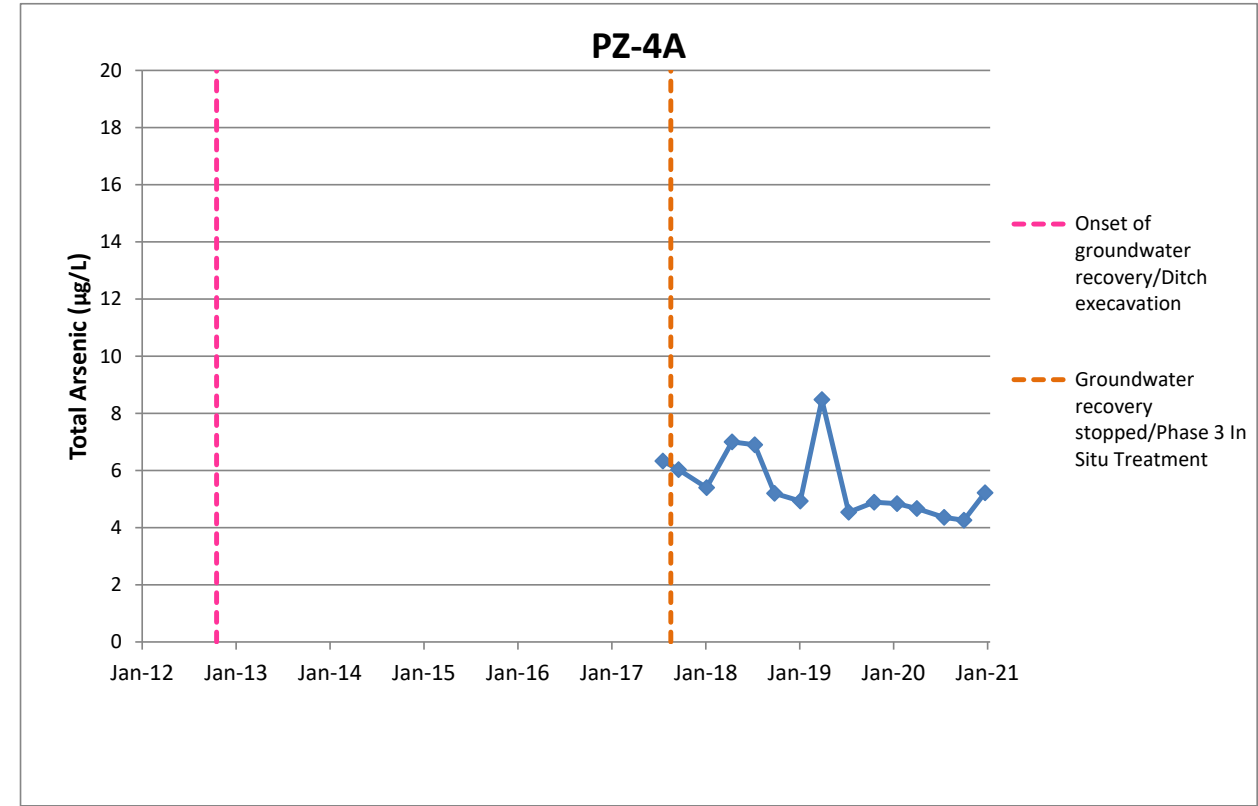
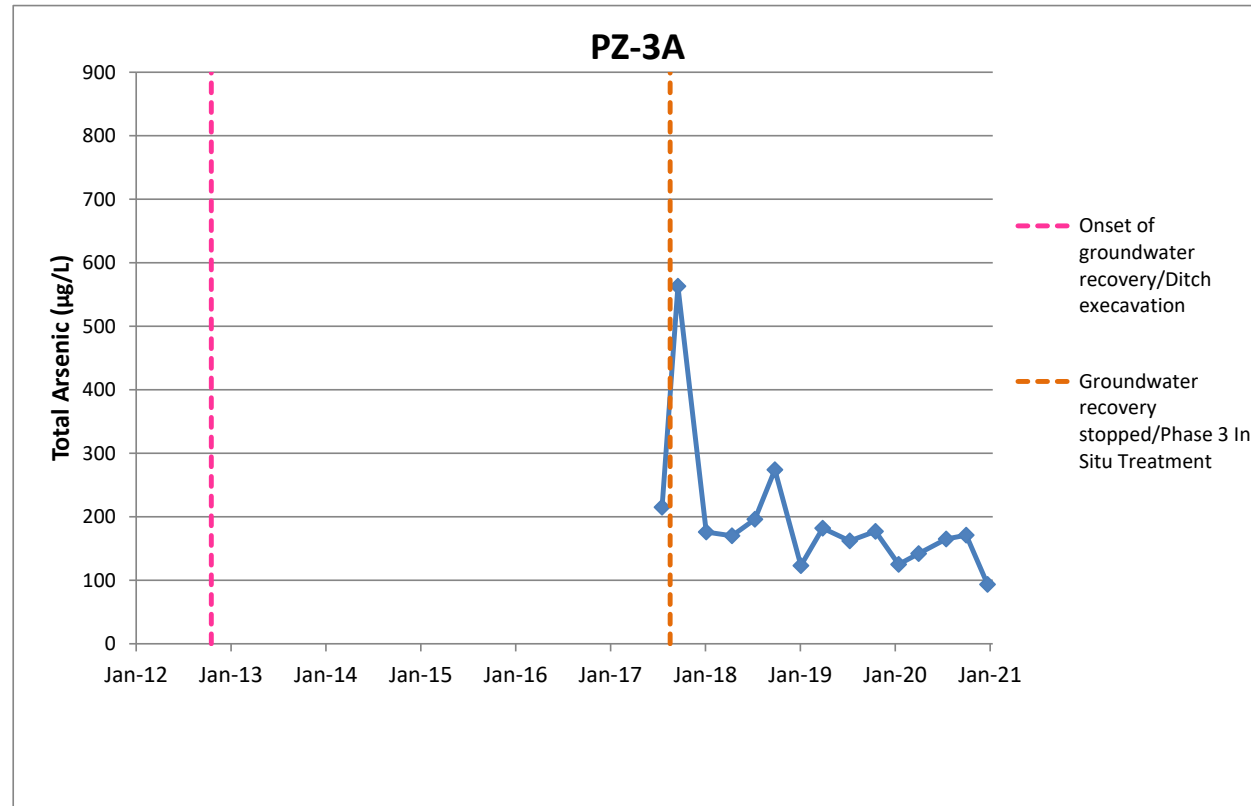
Attachment 1
Time-Concentration Plots



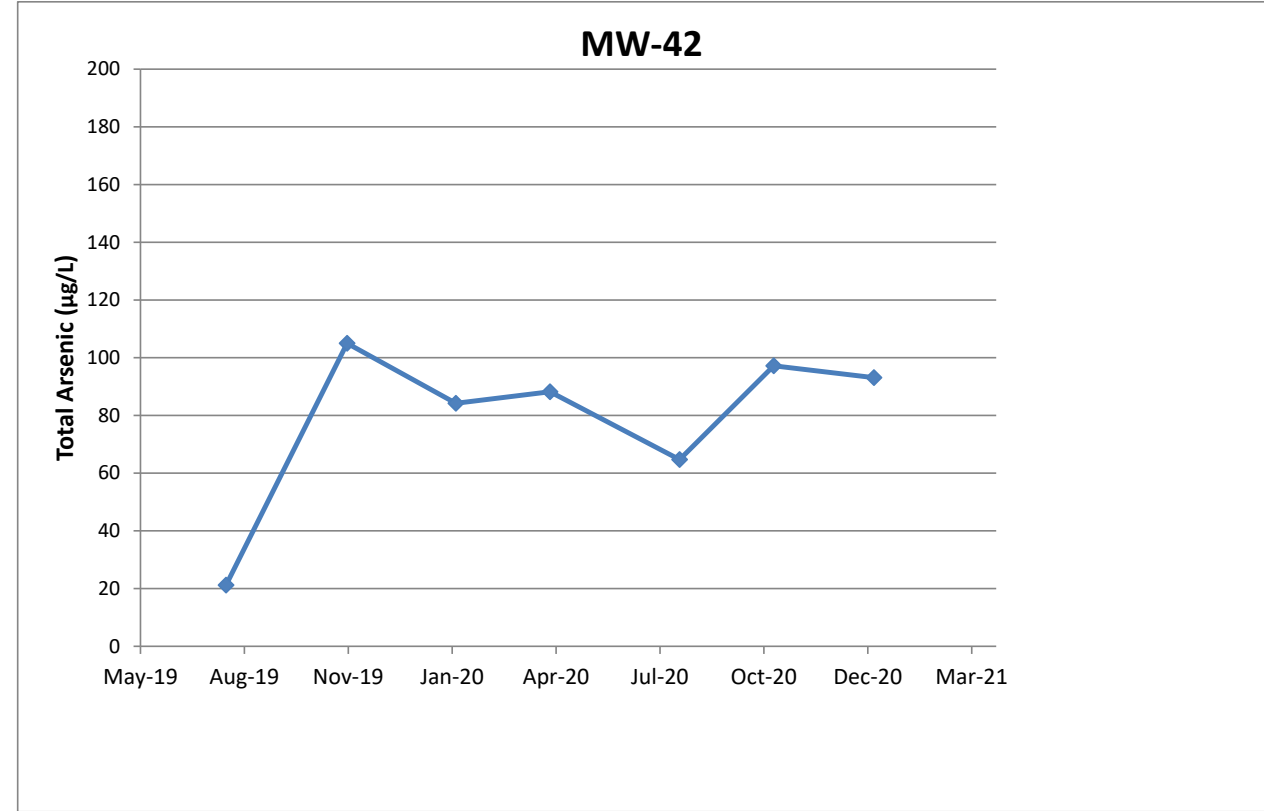
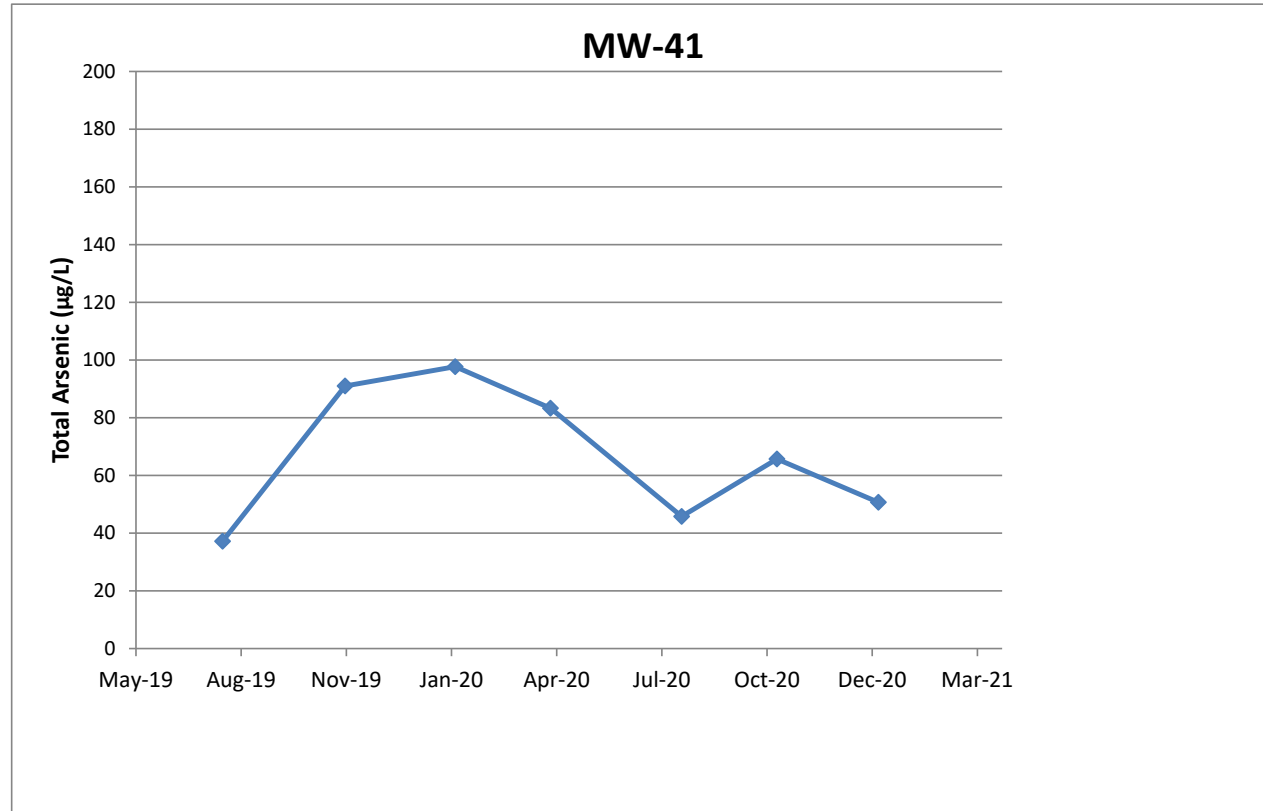
Attachment 1
Time-Concentration Plots



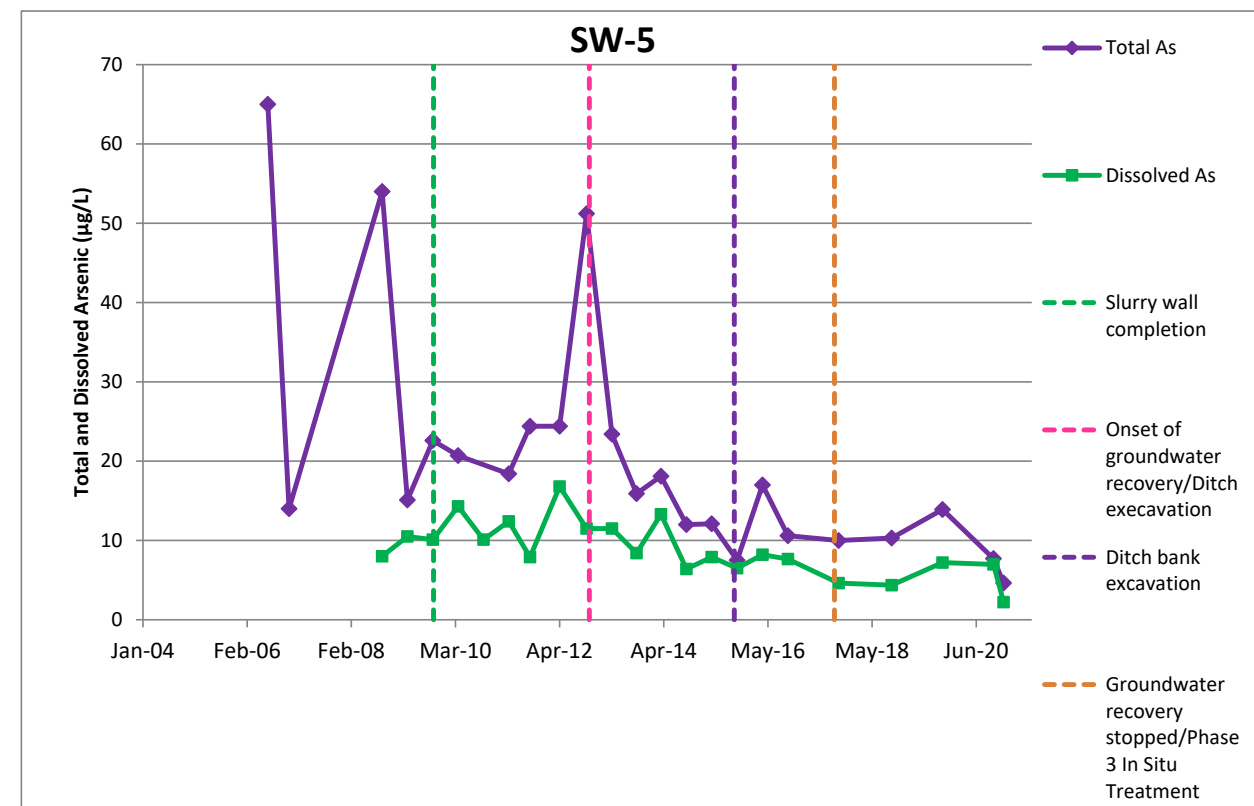
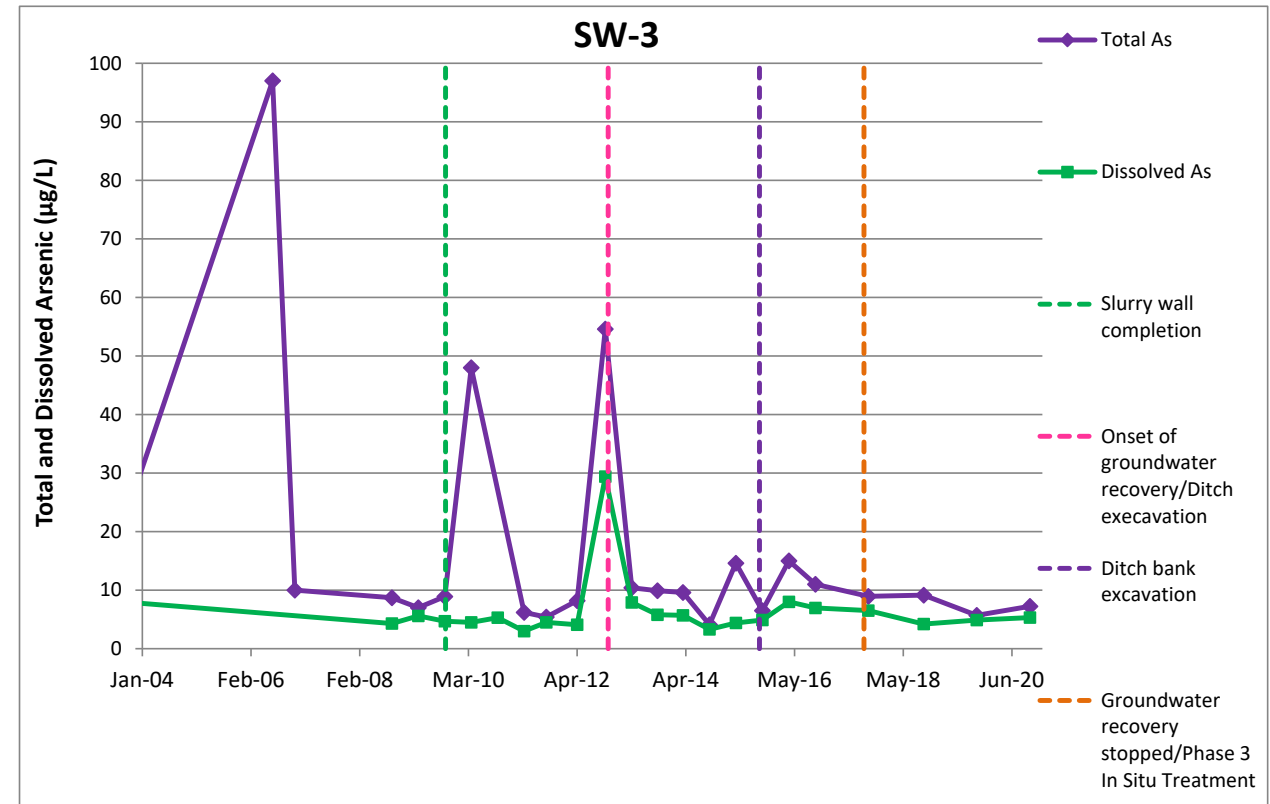
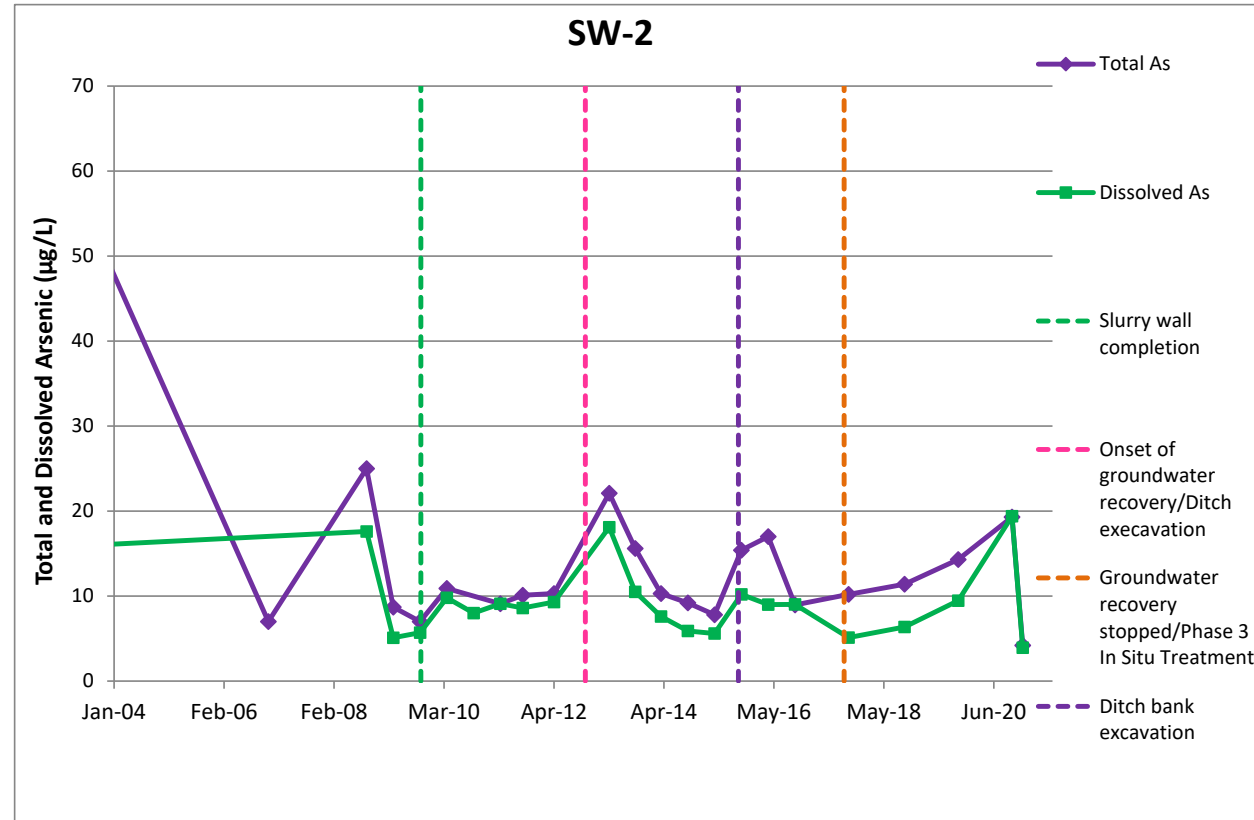
Attachment 1
Time-Concentration Plots



Attachment 1
Time-Concentration Plots



Attachment 1
Time-Concentration Plots



Attachment 2
Laboratory Analytical Report

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 8, 2021

Brett Beaulieu, Project Manager
Floyd-Snider
Two Union Square, Suite 600
601 Union St
Seattle, WA 98101

Dear Mr Beaulieu:

Included are the results from the testing of material submitted on January 6, 2021 from the B+L 1507.1, F&BI 101028 project. There are 25 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
FDS0108R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 6, 2021 by Friedman & Bruya, Inc. from the Floyd-Snider B+L 1507.1, F&BI 101028 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Floyd-Snider</u>
101028 -01	BLW-GW-PZ-3A
101028 -02	BLW-GW-PZ-4A
101028 -03	BLW-GW-PZ-5A
101028 -04	BLW-GW-D-8A
101028 -05	BLW-GW-D-8B
101028 -06	BLW-GW-PD-214
101028 -07	BLW-GW-MW-33
101028 -08	BLW-GW-MW-34
101028 -09	BLW-GW-MW-40B
101028 -10	BLW-GW-MW-41
101028 -11	BLW-GW-MW-42
101028 -12	BLW-SW-2
101028 -13	BLW-SW-2-FF
101028 -14	BLW-SW-172
101028 -15	BLW-SW-172-FF
101028 -16	BLW-SW-5
101028 -17	BLW-SW-5-FF
101028 -18	BLW-GW-W-1
101028 -19	BLW-GW-PZ-173

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	BLW-SW-2-FF	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-13
Date Analyzed:	01/06/21	Data File:	101028-13.096
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	3.93
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	BLW-SW-172-FF	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-15
Date Analyzed:	01/06/21	Data File:	101028-15.101
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	3.90

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	BLW-SW-5-FF	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-17
Date Analyzed:	01/06/21	Data File:	101028-17.102
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	2.22
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Floyd-Snider
Date Received:	Not Applicable	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	I1-08 mb
Date Analyzed:	01/06/21	Data File:	I1-08 mb.094
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	<1
---------	----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-PZ-3A	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-01
Date Analyzed:	01/06/21	Data File:	101028-01.105
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	93.5
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-PZ-4A	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-02
Date Analyzed:	01/06/21	Data File:	101028-02.108
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	5.22
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-PZ-5A	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-03
Date Analyzed:	01/06/21	Data File:	101028-03.109
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	372
---------	-----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-D-8A	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-04
Date Analyzed:	01/06/21	Data File:	101028-04.110
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	195
---------	-----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-D-8B	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-05
Date Analyzed:	01/06/21	Data File:	101028-05.113
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	8.27
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-PD-214	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-06
Date Analyzed:	01/06/21	Data File:	101028-06.114
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	5.08
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-MW-33	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-07
Date Analyzed:	01/06/21	Data File:	101028-07.115
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	157
---------	-----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-MW-34	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-08
Date Analyzed:	01/06/21	Data File:	101028-08.116
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	8.02
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-MW-40B	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-09
Date Analyzed:	01/06/21	Data File:	101028-09.117
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	8.44
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-MW-41	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-10
Date Analyzed:	01/06/21	Data File:	101028-10.118
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	50.7
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-MW-42	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-11
Date Analyzed:	01/06/21	Data File:	101028-11.119
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	93.1
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-SW-2	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-12
Date Analyzed:	01/06/21	Data File:	101028-12.120
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	4.20
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-SW-172	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-14
Date Analyzed:	01/06/21	Data File:	101028-14.121
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	4.18
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-SW-5	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-16
Date Analyzed:	01/06/21	Data File:	101028-16.122
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	4.63
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-W-1	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-18
Date Analyzed:	01/06/21	Data File:	101028-18.125
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	9.19
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	BLW-GW-PZ-173	Client:	Floyd-Snider
Date Received:	01/06/21	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	101028-19
Date Analyzed:	01/06/21	Data File:	101028-19.126
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	82.2
---------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Floyd-Snider
Date Received:	Not Applicable	Project:	B+L 1507.1, F&BI 101028
Date Extracted:	01/06/21	Lab ID:	I1-09 mb
Date Analyzed:	01/06/21	Data File:	I1-09 mb.103
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Arsenic	<1
---------	----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/08/21

Date Received: 01/06/21

Project: B+L 1507.1, F&BI 101028

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR DISSOLVED METALS USING EPA METHOD 6020B**

Laboratory Code: 101028-13 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	3.93	97	101	75-125	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	101	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/08/21

Date Received: 01/06/21

Project: B+L 1507.1, F&BI 101028

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 101028-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	93.5	108	113	75-125	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	97	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

101028

SAMPLE CHAIN OF CUSTODY

ME 01-06-21

B14

Report To Brett Beaulieu

Company Floyd Snider

Address 601 Linden St, Ste 6000

City, State, ZIP Seattle, WA 98101

Phone 206 292-2570 Email Brett.Beaulieu@FloydSnider.com

SAMPLERS (signature) [Signature]

PROJECT NAME BTL

REMARKS BTL

PO # BTL 1507-1

INVOICE TO

Page # 1 of 2
TURNAROUND TIME
 Standard turnaround
 RUSH
Rush charges authorized by: _____

SAMPLE DISPOSAL
 Archive samples
 Other
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	total arsenic					
BLW-GW-PZ-3A	01	1/5/2021	1150	GW	1													
BLW-GW-PZ-4A	02		0933	GW	1													
BLW-GW-PZ-5A	03		1029	GW	1													
BLW-GW-D-BA	04		0925	GW	1													
BLW-GW-D-8B	05		0947	GW	1													
BLW-GW-PD-214	06		1258	GW	1													
BLW-GW-MW-33	07		1230	GW	1													
BLW-GW-MW-34	08		1410	GW	1													
BLW-GW-MW-40B	09		1339	GW	1													
BLW-GW-MW-41	10		1312	GW	1													

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Rehquished by: <u>[Signature]</u>	<u>Tyler Scott</u>					1/6	10:04
Received by: <u>[Signature]</u>	<u>Ohlan Pham</u>					1/6/21	1004
Rehquished by:							
Received by:							

Received by:		Samples received at	9 00
--------------	--	---------------------	------

10/028

SAMPLE CHAIN OF CUSTODY ME 01-06-21

BI4

Report To Brett Beaulieu
 Company Floyd Snider
 Address _____
 City, State, ZIP eye prof
 Phone _____ Email _____

SAMPLERS (signature) Paul A. H. H.
 PROJECT NAME BTL PO # B+L 1507.1
 REMARKS _____ INVOICE TO _____
 Project specific RI's? - Yes / No

Page # 2 of 2
 TURNAROUND TIME
 Standard turnaround
 RUSH
 Rush charges authorized by: _____
 SAMPLE DISPOSAL
 Archive samples
 Other
 Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes			
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	total arsenic	dissolved As					
BLW-GW-MW-42	11	11/5/21	1455	GW	1														
BLW-SW-2	12		1445	SW	1														
BLW-SW-2-FF	13		1450	SW	1														
BLW-SW-172	14		1500	SW	1														
BLW-SW-172-FF	15		1505	SW	1														
BLW-SW-5	16		1600	SW	1														
BLW-SW-5-FF	17		1605	SW	1														
BLW-GW-W-1	18	↖	1655	GW	1														
BLW-GW-F2-F3	19	11/9/21	1200	GW	1														

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Reinquished by: <u>[Signature]</u>	<u>Tyler Scott</u>					11/6	10:04
Received by: <u>[Signature]</u>	<u>Dhan Phan</u>					11/6/21	1004
Reinquished by: _____							
Received by: _____							

Samples received at 9 °C