October 18, 2021

Mr. John Guenther, LHG Washington State Department of Ecology **Bellingham Field Office** 913 Squalicum Way, Unit 101 Bellingham, Washington 98225

SUBJECT: WESMAR COMPANY INC. SITE—YEAR 2 SECOND SEMIANNUAL GROUNDWATER

> **MONITORING EVENT: JULY 2021** Former Wesmar Company, Inc. (Ballard Blocks II Property)

1401 and 1451 Northwest 46th Street, Seattle, Washington

Project No. 1249-001-06

Dear Mr. Guenther:

On behalf of Block at Ballard II, LLC, SoundEarth Strategies, Inc. (SoundEarth) has prepared this subgrade drainage groundwater monitoring report to provide a summary of the results for the Year 2 second semiannual groundwater monitoring event performed in July 2021 at the Former Wesmar Company, Inc. Site (the Site). The Site is located at 1401 and 1451 Northwest 46th Street in Seattle, Washington, and is also identified as Ballard Blocks II.

Operation and monitoring of the permanent subgrade drainage water treatment system associated with the completed redevelopment of the Property began in October 2019. The work for this monitoring event was performed pursuant to the requirements of the October 20, 2017, First Amended Consent Decree (No. DE 10-2-21304-0 SEA; Consent Decree) between Block at Ballard II, LLC and the Washington State Department of Ecology (Ecology).

SUBGRADE DRAINAGE GOUNDWATER MONITORING

The approximate location of the subgrade groundwater collection sump and the arsenic water treatment system located in the underground parking garage on the Site is shown on Figure 1. Water monitoring analytical results pertaining to the subgrade drainage water and the permanent arsenic treatment system are summarized in Tables 1 and 2.

SAMPLING METHODOLOGY

The following section describes the sampling methodology employed during the subgrade drainage water quality monitoring activities and the permanent arsenic treatment system performance monitoring activities performed at the Site during Second and Third Quarter 2021.

April 2021 through August 2021 Permanent Arsenic Treatment System Monthly Performance Monitoring Events

Subgrade drainage pipes under the building on the Site drain water to a sump by gravity feed in the underground parking garage in the southeastern portion of the Site (Figure 1).

Monthly permanent arsenic treatment system performance monitoring activities were performed on April 26, May 27, June 28, July 28, and August 26, 2021. To improve the efficacy of the treatment system, a third arsenic-targeting media treatment vessel was previously added to the treatment system train in February 2021.

During these monitoring events, water samples were collected from a pre-treatment influent water port (INF), located immediately ahead of the three arsenic-targeting media treatment vessels; a mid-treatment system monitoring port (MID), located between the first and second arsenic-targeting media treatment vessels; and a post-treatment effluent water monitoring port (EFF), located immediately downstream of the permanent arsenic-treatment system vessels prior to discharge to the municipal stormwater system. The approximate locations of these three water monitoring ports (INF, MID, and EFF) are shown on the general design schematic of the treatment system in Attachment A. This schematic does not show the third treatment vessel added to the downstream end of the treatment system train (between the second treatment vessel and the effluent monitoring port).

Water samples were collected directly into clean, laboratory-prepared sample containers. Each container was labeled with a unique sample identification number, the date and time sampled, and project number; placed on ice in a cooler; and transported to Friedman & Bruya, Inc. (F&B) of Seattle, Washington, under standard chain-of-custody protocols for laboratory analysis. The collected water samples submitted for laboratory analysis were analyzed by US Environmental Protection Agency Method 200.8 for total arsenic.

Year 2 Second Semiannual (July 2021) Subgrade Drainage Groundwater Monitoring Event

A subgrade drainage groundwater sample was collected from the subgrade groundwater collection sump inlet pipes on July 28, 2021. A description of the sampling methodology is provided below. A flow-weighted sample from the subgrade groundwater drainage system was collected directly from the subslab drainage outlet pipes located within the sump (Figure 1).

Outlet pipes draining into the subgrade groundwater collection sump from the subgrade drainage system include one pipe on the northern side, a lower pipe on the eastern side, an upper pipe on the eastern side, and one pipe on the southern side of the sump. During the monitoring event on July 28, 2021, water was observed flowing from the pipe on the northern side and the lower pipe on the eastern side of the subgrade groundwater collection sump. SoundEarth did not observe water flowing from the pipes on the southern side or the upper pipe on the eastern side of the subgrade groundwater collection sump during this monitoring event.

A flow rate was measured for the outlet pipe producing water from the sub-slab drainage system on July 28, 2021. The water volume collected for analysis was collected from the pipes that were producing water flow. The total water flow rate into the subgrade sump during the monitoring event on July 28, 2021, was approximately 0.5 gallons per minute.

Water quality analytical results for the permanent arsenic treatment system performance monitoring activities are summarized below and on Table 1. Analytical results for total arsenic for groundwater samples collected from the subgrade drainage system are summarized in the results section below and on Table 2. Laboratory analytical reports are included in Attachment B.

April through August 2021 Permanent Arsenic Treatment System Performance Monitoring Events

Effluent water samples collected following treatment through the permanent arsenic treatment system include sample IDs 1249_GW_EFF_20210426, 1249_GW_EFF_20210527, 1249_GW_EFF_20210628, 1249_GW_EFF_20210728, and 1249_GW_EFF_20210826. Total arsenic was not detected at concentrations exceeding the Washington State Model Toxics Control Act (MTCA) Method A cleanup level for groundwater of 5 micrograms per liter (μ g/L) in the water samples collected during treatment system performance monitoring events on April 26, May 27, June 28, July 28, and August 26, 2021.

Year 2 Second Semiannual (July 2021) Subgrade Drainage Groundwater Monitoring Event Results

The Year 2 Second Semiannual (July 2021) flow-weighted water sample (sample ID: $1249_SSGW_20210728$) was collected from the subgrade groundwater drainage system on July 28, 2021, prior to treatment through the permanent arsenic treatment system. Arsenic was detected at a concentration of 28.7 μ g/L in the flow-weighted subgrade groundwater sample, which is above the MTCA Method A cleanup level of 5 μ g/L.

The post-treatment effluent water sample (sample ID 1249_GW_EFF_20210728) was collected on July 28, 2021, following treatment of the collected subgrade drainage water through the permanent arsenic treatment system. Arsenic was detected at a concentration of less than 1 μ g/L in the water sample, which is below the MTCA Method A cleanup level for arsenic in groundwater of 5 μ g/L for post-treatment effluent discharge water.

SUMMARY OF FINDINGS AND CONCLUSIONS

Relying on the results of analytical testing, the permanent arsenic treatment system is performing as designed and effectively treating concentrations of total arsenic in subgrade drainage water in compliance with the Consent Decree. Concentrations of total arsenic in post-treatment subgrade drainage water were below the MTCA Method A cleanup level of 5 μ g/L for groundwater.

Long-term groundwater monitoring is planned to continue as outlined in the Revised Cleanup Action Plan of the Consent Decree, with the next event planned for First Quarter 2022 (the Year 3 First Semiannual monitoring event).

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with SoundEarth's agreement with the client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report are derived, in part, from data gathered by others, and from conditions evaluated when services were performed, and are intended only for the client, purposes, locations, time frames, and project parameters indicated. SoundEarth does not warrant

and is not responsible for the accuracy or validity of work performed by others, nor from the impacts of changes in environmental standards, practices, or regulations subsequent to performance of services. SoundEarth does not warrant the use of segregated portions of this report.

CLOSING

SoundEarth appreciates the opportunity to provide environmental services on this project. Please contact the undersigned at 206-306-1900 with any questions.

Respectfully,

SoundEarth Strategies, Inc.

Chris G. Cass, LG Senior Geologist Chris M. Carter Managing Principal

Attachments: Figure 1, Arsenic Treatment System Basement Location Map

Table 1, Summary of Influent, Mid-Treatment, and Effluent Water Analytical Results for

Total Arsenic

Table 2, Summary of Groundwater Analytical Results for Raw Pre-Treatment Subgrade

Water Control System Water

 ${\sf A, Arsenic\, Treatment\, System\, Schematic\, Diagram\, For\, Treatment\, of\, Pumped\, Subgrade}$

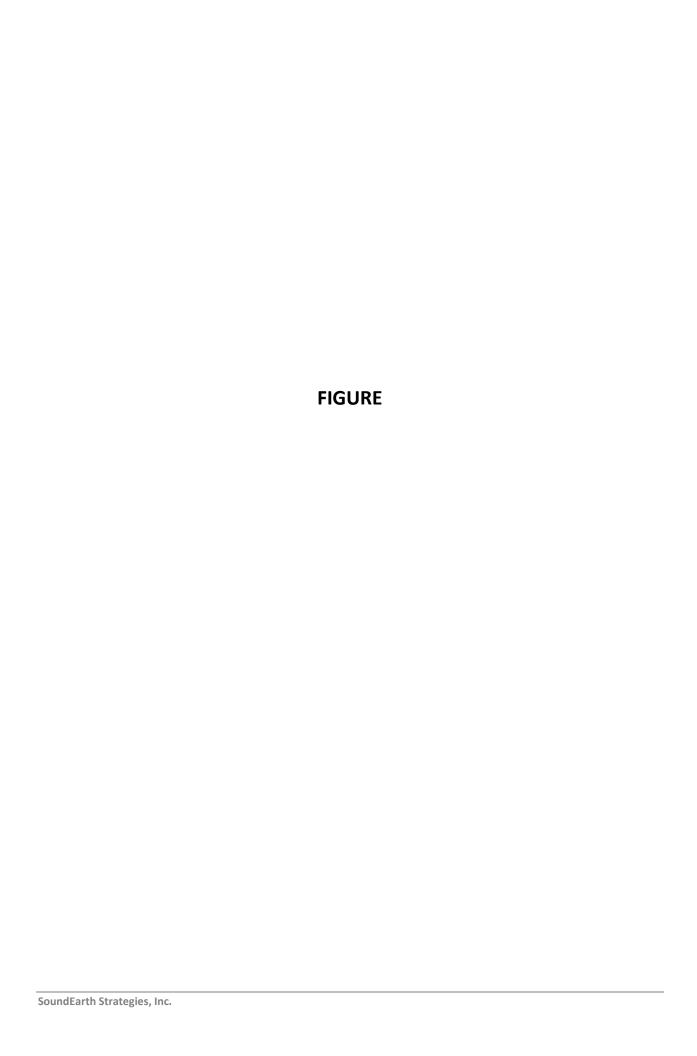
Water

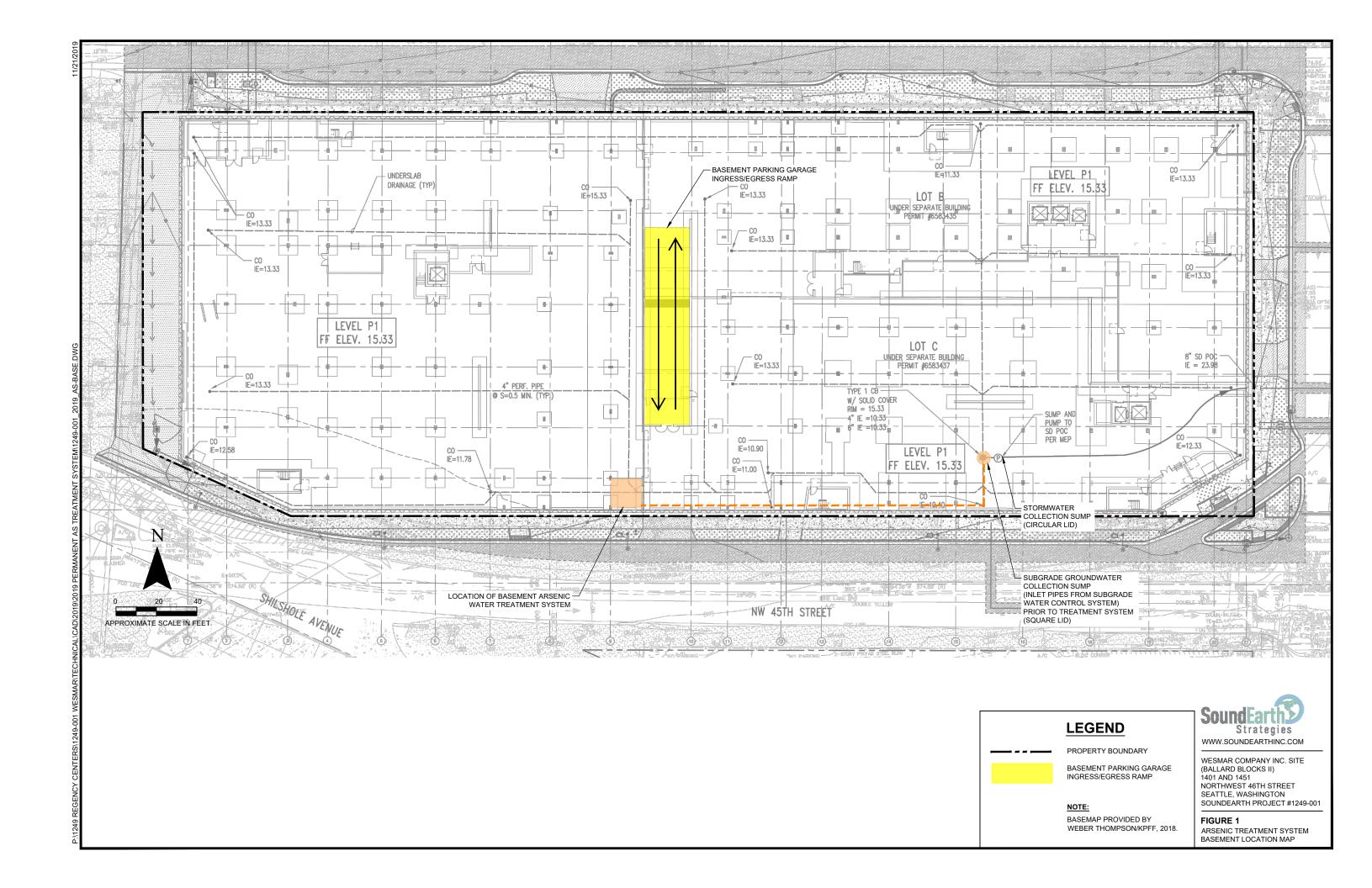
B, Laboratory Analytical Reports

Friedman & Bruya, Inc. #104536 Friedman & Bruya, Inc. #105526 Friedman & Bruya, Inc. #106558 Friedman & Bruya, Inc. #107501 Friedman & Bruya, Inc. #107503 Friedman & Bruya, Inc. #108476

cc: Eric Silvers, Regency Centers Corporation

JSL/CGC:kar





TABLES SoundEarth Strategies, Inc.



Table 1 Summary of Influent, Mid-Treatment, and Effluent Water Analytical Results for Total Arsenic Ballard Blocks II 1401 and 1451 Northwest 46th Street

Seattle, Washington

Sample IDs	Date Sampled	Pre-Treatment Influent Water Total Arsenic Analytical Results ⁽¹⁾ (micrograms per liter)	Mid-Treatment System Total Arsenic Analytical Results ⁽¹⁾ (micrograms per liter)	Treated Effluent Water Total Arsenic Analytical Results ⁽¹⁾ (micrograms per liter)
Perm	anent Arsenic Treatr	nent System Maintenance Water	Quality Monitoring Results	
1249_GW_INF/MID/EFF_20191121	11/21/19	9.58	2.43	<1
1249_GW_INF/MID/EFF_20191226	12/26/19	9.25	3.31	<1
1249_GW_INF/MID/EFF_20200123	01/23/20	12.5	7.21	<1
1249_GW_INF/MID/EFF_20200220	02/20/20	9.88	5.78	<1
1249_GW_INF/MID/EFF_20200319	03/19/20	8.83	4.04	<1
1249_GW_INF/MID/EFF_20200426	04/26/20	12.1	6.11	<1
1249_GW_INF/MID/EFF_20200523	05/23/20	15.4	8.01	<1
1249_GW_INF/MID/EFF_20200623	06/23/20	22.3	11.6	1.67
1249_GW_INF/MID/EFF_20200721	07/21/20	23.8	13.6	2.38
1249_GW_INF/MID/EFF_20200828	08/28/20	24.8	12.8	3.26
1249_GW_INF/MID/EFF_20200922	09/22/20	26.3	13.3	3.36
1249_GW_INF/MID/EFF_20201028	10/28/20	25.0	24.2	<1
1249_GW_INF/MID/EFF_20201119	11/19/20	18.4	15.8	<1
1249_GW_INF/MID/EFF_20201221	12/21/20	5.16	4.80	<1
1249_GW_INF/MID/EFF_20210125	01/25/21	8.61	8.11	1.26
1249_GW_INF/MID/EFF_20210222	02/22/21	13.9	5.25	<1
1249_GW_INF/MID/EFF_20210326	03/26/21	14.1	11.3	<1
1249_GW_INF/MID/EFF_20210426	04/26/21	25.9	6.93	<1
1249_GW_INF/MID/EFF_20210527	05/27/21	26.5	8.30	<1
1249_GW_INF/MID/EFF_20210628	06/28/21	27.4	9.43	<1
1249_GW_INF/MID/EFF_20210728	07/28/21	26.7	13.1	<1
1249_GW_INF/MID/EFF_20210826	08/26/21	29.8	18.5	<1
MTCA Cleanup Level for Groundwater				5 ⁽²⁾

NOTES

Sample analyses conducted by Friedman & Bruya, Inc. of Seattle, Washington.

-- = not applicable

EPA = US Environmental Protection Agency

GPM = gallons per minute

MTCA = Washington State Model Toxics Control Act

WAC = Washington Administrative Code

⁽¹⁾Samples analyzed by EPA Method 200.8.

⁽²⁾MTCA Cleanup Regulation, Chapter 173-340-900 of WAC, Table 720-1 Method A Cleanup Levels for Groundwater, revised November 2007.



Table 2

Summary of Groundwater Analytical Results for Raw Pre-Treatment Subgrade Water Control System Water Ballard Blocks II

1401 and 1451 Northwest 46th Street Seattle, Washington

Sample ID	Date Sampled	Average Estimated Total Water Flow Rate Into Subgrade Sump (GPM)	Total Arsenic Analytical Results for Raw Subgrade Drainage Groundwater (1) (micrograms per liter)
1249_SSGW_20191121	11/21/19	0.7	8.69
1249_SSGW_20200123	01/23/20	0.5	15.4
1249_SSGW_20200523	05/23/20	0.4	10.0
1249_SSGW_20200828	08/28/20	0.5	23.9
1249_SSGW_20210222	02/22/21	0.1	13.6
1249_SSGW_20210728	07/28/21	0.5	28.7
MTCA Cleanup Level for Gro	undwater		5 ⁽²⁾

NOTES:

Red denotes concentration exceeds MTCA cleanup level for groundwater.

Sample analyses conducted by Friedman & Bruya, Inc. of Seattle, Washington.

EPA = US Environmental Protection Agency

GPM = gallons per minute

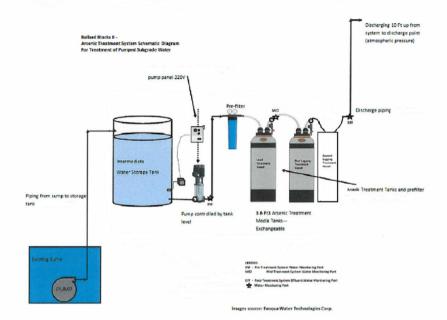
MTCA = Washington State Model Toxics Control Act

WAC = Washington Administrative Code

⁽¹⁾Samples analyzed by EPA Method 200.8.

⁽²⁾MTCA Cleanup Regulation, Chapter 173-340-900 of WAC, Table 720-1 Method A Cleanup Levels for Groundwater, revised November 2007.

ATTACHMENT A ARSENIC TREATMENT SYSTEM SCHEMATIC DIAGRAM FOR TREATMENT OF PUMPED SUBGRADE WATER



Page 2 08-09-2019

ATTACHMENT B LABORATORY ANALYTICAL REPORTS

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

May 6, 2021

Chris Cass, Project Manager SoundEarth Strategies 2811 Fairview Ave. East, Suite 2000 Seattle, WA 98102

Dear Mr Cass:

Included are the results from the testing of material submitted on April 29, 2021 from the SOU_1249-001-06_ 20210429, F&BI 104536 project. There are 7 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 SOU0506R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on April 29, 2021 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_1249-001-06_ 20210429, F&BI 104536 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	SoundEarth Strategies
104536 -01	1249_GW_INF_20210426
104536 -02	1249_GW_MID_20210426
104536 -03	1249_GW_EFF_20210426

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_INF_20210426 Client: SoundEarth Strategies

Date Received: 04/29/21 Project: SOU_1249-001-06_ 20210429

 Date Extracted:
 05/03/21
 Lab ID:
 104536-01

 Date Analyzed:
 05/04/21
 Data File:
 104536-01.082

 Matrix:
 Water
 Instrument:
 ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 25.9

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_MID_20210426 Client: SoundEarth Strategies

Date Received: 04/29/21 Project: SOU_1249-001-06_20210429

05/03/21 Lab ID: 104536-02 Date Extracted: Date Analyzed: 05/04/21 Data File: 104536-02.083 Matrix: Water Instrument: ICPMS2 Units: ug/L (ppb) SPOperator:

Concentration

Analyte: ug/L (ppb)

Arsenic 6.93

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_EFF_20210426 Client: SoundEarth Strategies

Date Received: 04/29/21 Project: SOU_1249-001-06_20210429

 Date Extracted:
 05/03/21
 Lab ID:
 104536-03

 Date Analyzed:
 05/03/21
 Data File:
 104536-03.145

 Matrix:
 Water
 Instrument:
 ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank Client: SoundEarth Strategies

Date Received: Not Applicable Project: SOU_1249-001-06_ 20210429

Date Extracted:05/03/21Lab ID:I1-288 mbDate Analyzed:05/03/21Data File:I1-288 mb.116Matrix:WaterInstrument:ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Date of Report: 05/06/21 Date Received: 04/29/21

Project: SOU_1249-001-06_ 20210429, F&BI 104536

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 104534-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Arsenic	ug/L (ppb)	10	3.70	97	97	70-130	0

Laboratory Code: Laboratory Control Sample

			$\operatorname{Percent}$	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Arsenic	ug/L (ppb)	10	91	85-115

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.
- $\rm jl$ 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.

104536

SAMPLE CHAIN OF CUSTODY

SAMPLERS (signature)

ME 04-29-21

Address 281	CompanySo	send Report to Chris
2811 Fairview Avenue E, Suite 2000	SoundEarth Strategies, Inc.	Send Report to Chris Cass: Chris Carter: Jonathan Loef

Phone #

206-306-1900

Fax#

206-306-1907

City, State, ZIP Seattle, Washington 98102

Treatment System Water Sampling REMARKS PROJECT NAME/NO. Ballard Blocks II Property; Arsenic 1249-001-06 P0#

Rush charges authorized by: TURNAROUND TIME
Standard (5 days) SAMPLE DISPOSAL Dispose after 30 days Page#_

Return samples
Will call with instructions

The second secon			Total Control of the				1249_GW_EFF_20210426	1249_GW_MID_20210426	1249_GW_INF_20210426	Sample ID
	Parkage & Application						Effluent	Mid- Treatment	Influent	Sample Location
							N/A	N/A	N/A	Sample Depth
							\mathcal{Z}	02	으	Lab ID
THE PARTY OF THE P							4/26/21 1525 WATER	02 4/24/21 1530	OI 4/16/21 1535 WATER	Date Sampled
Andrew An					-	•	1525	1530	1535	Time Sampled
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				//						# of Jars
							×	X	X	Total Arsenic (200.8)
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	The state of the s	Samples received at 4 °C					HNO3 preserved	HNO3 preserved	HNO ₃ preserved	ANALYSES REQUESTED Notes



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Received by:	Relinquished &: MAD. WK	Received by	Relinquished by	SIGNATURE
	Uz Webber Bruke	M framewill	JONATHAN LOEFFICER	PRINT NAME
	Gid	Treductor	SOUNDEARTH	COMPANY
	4/29	Nha	4/29/21	DATE
	1202	12,01		TIME

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

June 8, 2021

Chris Cass, Project Manager SoundEarth Strategies 2811 Fairview Ave. East, Suite 2000 Seattle, WA 98102

Dear Mr Cass:

Included are the results from the testing of material submitted on May 27, 2021 from the SOU_1249-001-06_ 20210527, F&BI 105526 project. There are 7 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

c: Chris Carter, Jonathan Loeffler SOU0608R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 27, 2021 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_1249-001-06_ 20210527, F&BI 105526 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	SoundEarth Strategies
105526 -01	1249_GW_INF_20210527
105526 - 02	1249_GW_MID_20210527
105526 -03	1249_GW_EFF_20210527

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_INF_20210527 Client: SoundEarth Strategies

Date Received: 05/27/21 Project: SOU_1249-001-06_20210527

 Date Extracted:
 06/01/21
 Lab ID:
 105526-01

 Date Analyzed:
 06/03/21
 Data File:
 105526-01.095

 Matrix:
 Water
 Instrument:
 ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 26.5

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_MID_20210527 Client: SoundEarth Strategies

Date Received: 05/27/21 Project: SOU_1249-001-06_20210527

06/01/21 Lab ID: 105526-02 Date Extracted: Date Analyzed: 06/03/21 Data File: 105526-02.096 Matrix: Water Instrument: ICPMS2 Units: ug/L (ppb) SPOperator:

Concentration

Analyte: ug/L (ppb)

Arsenic 8.30

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_EFF_20210527 Client: SoundEarth Strategies

Date Received: 05/27/21 Project: SOU_1249-001-06_20210527

06/01/21 Lab ID: 105526-03 Date Extracted: Date Analyzed: 06/03/21 Data File: 105526-03.097 Matrix: Water Instrument: ICPMS2 Units: ug/L (ppb) SPOperator:

Concentration

Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank Client: SoundEarth Strategies
Date Received: Not Applicable Project: SOU_1249-001-06_20210527

06/01/21 Lab ID: I1-344 mb Date Extracted: Date Analyzed: 06/02/21 Data File: I1-344 mb.044 ICPMS2 Matrix: Water Instrument: Units: ug/L (ppb) AP Operator:

Concentration

Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Date of Report: 06/08/21 Date Received: 05/27/21

Project: SOU_1249-001-06_ 20210527, F&BI 105526

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 105528-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Arsenic	ug/L (ppb)	10	<1	99	98	70-130	1

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Arsenic	ug/L (ppb)	10	93	85-115

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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- 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.
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- 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.

05326

SAMPLE CHAIN OF CUSTODY ALE 65-27-21

Sent Report to Chris Cass; Chris Carter; Jonathan Loeffler
Company SoundEarth Strategies, Inc.
Address 2811 Fairview Avenue E, Suite 2000
City, State, ZIP Seattle, Washington 98102

Phone #

206-306-1900

Fax #_

206-306-1907

SAMPLERS (signature)	
PROJECT NAME/NO.	PO#
Ballard Blocks II Property; Arsenic Treatment System Water Sampling	1249-001-06
REMARKS	- Advisor (Alexander)

Rush charges authorized by:

SAMPLE DISPOSAL

Dispose after 30 days Return samples Will call with instructions TURNAROUND TIME

Page # 1 of

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HNO3 preserved		X	WATER	'	5121 1215	ĸ	N/A	Effluent	1249_GW_EFF_20210527
HNO ₃ preserved		×	HATER	1220	02 5/27/21	Q	N/A	Mid- Treatment	1249_GW_MID_20710527
HNO ₃ preserved		×	JATTER	1225 WATER	or 5/24/21	0	N/A	Influent	1249 GW_INF_202/0527
Notes	Total Arsenic (200.8)	Total Arsenic	Matrix	Time Sampled	Date Sampled	Lab ID	Sample Depth	Sample	Sample ID
ANALYSES REQUESTED									a. ba "



Becaused by:	Relinquished by:	Received by: MMM	Relinquished by H	SIGNATURE
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		786	SOUNDERRYH	COMPANY
		207	5/27/21	DATE
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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

July 8, 2021

Chris Cass, Project Manager SoundEarth Strategies 2811 Fairview Ave. East, Suite 2000 Seattle, WA 98102

Dear Mr Cass:

Included are the results from the testing of material submitted on June 30, 2021 from the SOU_1249-001-06_ 20210630, F&BI 106558 project. There are 7 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

c: Chris Carter, Jonathan Loeffler SOU0708R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 30, 2021 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_1249-001-06_ 20210630, F&BI 106558 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	SoundEarth Strategies
106558 -01	1249_GW_INF_20210628
106558 - 02	1249_GW_MID_20210628
106558 -03	1249_GW_EFF_20210628

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_INF_20210628 Client: SoundEarth Strategies

Date Received: 06/30/21 Project: SOU_1249-001-06_20210630

 Date Extracted:
 07/01/21
 Lab ID:
 106558-01

 Date Analyzed:
 07/01/21
 Data File:
 106558-01.142

 Matrix:
 Water
 Instrument:
 ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 27.4

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_MID_20210628 Client: SoundEarth Strategies

Date Received: 06/30/21 Project: SOU_1249-001-06_20210630

 Date Extracted:
 07/01/21
 Lab ID:
 106558-02

 Date Analyzed:
 07/01/21
 Data File:
 106558-02.143

 Matrix:
 Water
 Instrument:
 ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 9.43

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_EFF_20210628 Client: SoundEarth Strategies

Date Received: 06/30/21 Project: SOU_1249-001-06_ 20210630

 Date Extracted:
 07/01/21
 Lab ID:
 106558-03

 Date Analyzed:
 07/01/21
 Data File:
 106558-03.144

 Matrix:
 Water
 Instrument:
 ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank Client: SoundEarth Strategies
Date Received: Not Applicable Project: SOU_1249-001-06_20210630

Date Extracted: 07/01/21 Lab ID: I1-409 mb
Date Analyzed: 07/01/21 Data File: I1-409 mb.092
Matrix: Water Instrument: ICPMS2

Units: water instrument. ICFMS

Upts: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Date of Report: 07/08/21 Date Received: 06/30/21

Project: SOU_1249-001-06_ 20210630, F&BI 106558

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 106511-05 x10 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Arsenic	ug/L (ppb)	10	<10	95	95	70-130	0

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Arsenic	ug/L (ppb)	10	95	85-115

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.

SAMPLE CHAIN OF CUSTODY

Z T

右ア

Send Report to Chris Cass: Chris Carter: Jonathan Loeffler Company_ SoundEarth Strategies. Inc.

Address 2811 Fairview Avenue E. Suite 2000

City, State, ZIP Seattle. Washington 98102

Phone # 206-306-1900 Fax # 206-306-1907

THE CITATION OF CONTOUR	2/0/100	70
AMPLERS (signature)		
ROJECT NAME/XO.	PO#	\sim
Ballard Blocks II Property; Arsenic Treatment System Water Sampling	1249-001-06	27

ΡĮ ß REMARKS Dispose after 30 days Return samples Will call with instructions ush charges authorized by: TURNAROUND TIME Standard (5 days) Page#_ SAMPLE DISPOSAL of

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HNO ₃ preserved			X		PLATER	1420	6/28/21 1420 WATER	02	N/A	Mid- Treatment	1249_GW_MID_LOZ 0628
HNO ₃ preserved			×	4-1	WATE!	1425	6/28/21 1425 WATER -1	0	N/A	Influent	1249_GW_INF_202 0428
Notes		(200.0)	Total Arsenic (200.8)	# of Jars	Matrix	Time Sampled	Date Sampled	ĦZ	Sample Depth	Sample Location	Sample ID
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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

August 5, 2021

Chris Cass, Project Manager SoundEarth Strategies 2811 Fairview Ave. East, Suite 2000 Seattle, WA 98102

Dear Mr Cass:

Included are the results from the testing of material submitted on July 29, 2021 from the SOU_1249-001-06/210_ 20210729, F&BI 107501 project. There are 5 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

c: Chris Carter, Jonathan Loeffler SOU0805R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 29, 2021 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_1249-001-06/210_ 20210729, F&BI 107501 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u> <u>SoundEarth Strategies</u> 107501 -01 1249_SSGW_20210728

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_SSGW_20210728 Client: SoundEarth Strategies

Date Received: 07/29/21 Project: SOU_1249-001-06/210_ 20210729

08/02/21 Lab ID: 107501-01 Date Extracted: Date Analyzed: 08/02/21 Data File: 107501-01.128 Matrix: ICPMS2 Water Instrument: Units: ug/L (ppb) SPOperator:

Concentration

Analyte: ug/L (ppb)

Arsenic 28.7

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank Client: SoundEarth Strategies

Date Received: Not Applicable Project: SOU_1249-001-06/210_ 20210729

Date Extracted:08/02/21Lab ID:I1-462 mbDate Analyzed:08/02/21Data File:I1-462 mb.102Matrix:WaterInstrument:ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Date of Report: 08/05/21 Date Received: 07/29/21

Project: SOU_1249-001-06/210_ 20210729, F&BI 107501

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 107452-01 x10 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Arsenic	ug/L (ppb)	10	77.3	58 b	58 b	70-130	0 b

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Arsenic	ug/L (ppb)	10	88	85-115

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.

SAMPLE CHAIN OF CUSTODY

	Phone # 206-306-1900 Fax # 206-306-1907	Pho
	City, State, LIF Seattle, Washington 20102	City
REM		?
	2811 Fairview Avenue E, Suite 2000	Address
Ralla	Company SoundEarth Strategies, Inc.	Com
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	Send Report to Chris Cass; Chris Carter; Jonathan Loeffler	Sen
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1	Ballard Blocks II Property – Subgrade	1249-001-06/		
į	REMARKS Groundwater Monitoring	210		F 1
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Froundwater Monitoring	210	
KS	Marie	SAMPLE DISPOSAL
		Dispose after 30 days
		Return samples
		Will call with instructions

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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

August 5, 2021

Chris Cass, Project Manager SoundEarth Strategies 2811 Fairview Ave. East, Suite 2000 Seattle, WA 98102

Dear Mr Cass:

Included are the results from the testing of material submitted on July 29, 2021 from the SOU_1249-001-06_ 20210729, F&BI 107503 project. There are 7 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

c: Chris Carter, Jonathan Loeffler SOU0805R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 29, 2021 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_1249-001-06_ 20210729, F&BI 107503 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	SoundEarth Strategies
107503 -01	1249_GW_INF_20210728
107503 -02	1249_GW_MID_20210728
107503 -03	1249_GW_EFF_20210728

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_INF_20210728 Client: SoundEarth Strategies

Date Received: 07/29/21 Project: SOU_1249-001-06_ 20210729

08/02/21 Lab ID: 107503-01 Date Extracted: Date Analyzed: 08/02/21 Data File: 107503-01.125 Matrix: ICPMS2 Water Instrument: Units: ug/L (ppb) SPOperator:

Concentration

Analyte: ug/L (ppb)

Arsenic 26.7

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_MID_20210728 Client: SoundEarth Strategies

Date Received: 07/29/21 Project: SOU_1249-001-06_20210729

 Date Extracted:
 08/02/21
 Lab ID:
 107503-02

 Date Analyzed:
 08/02/21
 Data File:
 107503-02.126

 Matrix:
 Water
 Instrument:
 ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 13.1

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_EFF_20210728 Client: SoundEarth Strategies

Date Received: 07/29/21 Project: SOU_1249-001-06_ 20210729

08/02/21 Lab ID: 107503-03 Date Extracted: Date Analyzed: 08/02/21 Data File: 107503-03.127 Matrix: ICPMS2 Water Instrument: Units: ug/L (ppb) SPOperator:

Concentration

Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank Client: SoundEarth Strategies
Date Received: Not Applicable Project: SOU_1249-001-06_20210729

08/02/21 Lab ID: I1-462 mbDate Extracted: Date Analyzed: 08/02/21 Data File: I1-462 mb.102 ICPMS2 Matrix: Water Instrument: Units: ug/L (ppb) SPOperator:

Concentration

Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Date of Report: 08/05/21 Date Received: 07/29/21

Project: SOU_1249-001-06_ 20210729, F&BI 107503

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 107452-01 x10 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Arsenic	ug/L (ppb)	10	77.3	58 b	58 b	70-130	0 b

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Arsenic	ug/L (ppb)	10	88	85-115

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.
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- fc The analyte is a common laboratory and field contaminant.
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- hs Headspace was present in the container used for analysis.
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- 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.

SAMPLE CHAIN OF CUSTODY

Send Report to Chris Cass; Chris Carter; Jonathan Loeffler
Company SoundEarth Strategies, Inc.

Address 2811 Fairview Avenue E, Suite 2000
REM

Phone # 206-306-1900

Fax#

206-306-1907

City, State, ZIP Seattle, Washington 98102

Samuel (Samonishs) Cyrar HWW	
PROJECT NAME/NO:	PO#
Ballard Blocks II Property; Arsenic	1249-001-06
REMARKS	

Rush charges authorized by:

SAMPLE DISPOSAL

Will call with instructions

Dispose after 30 days Return samples TURNAROUND TIME Standard (5 days)

Page#_

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					1249_GW_EFF_Z0Z10728	1249_GW_MID_ Z0Z10728	1249_GW_INF_ 20210728	Sample ID
				· · · · · · · · · · · · · · · · · · ·	Effluent	Mid- Treatment	Influent	Sample Location
					N/A	N/A	N/A	Sample Depth
				,	63	20	6	Lab ID
				- I - I - I - I - I - I - I - I - I - I			7/26/21 1615 WATER	Date Sampled
· ·				H-versite and the second secon	1605 WATER	1610 WATER	1615	Time Sampled
		1			WATER	WATER	WATER	Matrix
THE STREET STREET, STR	32/	7.				encompany.		# of Jars
	1/21				X	×	×	Total Arsenic (200.8)
		***************************************						AN
	Sam							ALYSES J
The state of the s	Samples received at 4 oc		The state of the s		HNO3 preserved	HNO3 preserved	HNO ₃ preserved	ANALYSES REQUESTED Notes



	es			
Received by:	Relinquished by:	Received by:	Relinquished by:	SIGNATURE
		BOULT THORSE	JONATHAN LOEFFIEL	PRINT NAME
		龙	#	COMPANY
	,	7/29/21	7/29/21 1725	DATE
		7/29/21 1725	1725	TIME

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

September 1, 2021

Chris Cass, Project Manager SoundEarth Strategies 2811 Fairview Ave. East, Suite 2000 Seattle, WA 98102

Dear Mr Cass:

Included are the results from the testing of material submitted on August 27, 2021 from the SOU_1249-001-06_ 20210827, F&BI 108476 project. There are 7 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

c: Chris Carter, Jonathan Loeffler SOU0901R.DOC

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 27, 2020 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_1249-001-06_ 20210827, F&BI 108476 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	SoundEarth Strategies
108476 -01	1249_GW_INF_20210826
108476 -02	1249_GW_MID_20210826
108476 -03	1249_GW_EFF_20210826

All quality control requirements were acceptable.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_INF_20210826 Client: SoundEarth Strategies

Date Received: 08/27/21 Project: SOU_1249-001-06_20210827

 Date Extracted:
 08/30/21
 Lab ID:
 108476-01

 Date Analyzed:
 08/30/21
 Data File:
 108476-01.043

 Matrix:
 Water
 Instrument:
 ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 29.8

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_MID_20210826 Client: SoundEarth Strategies

Date Received: 08/27/21 Project: SOU_1249-001-06_20210827

 Date Extracted:
 08/30/21
 Lab ID:
 108476-02

 Date Analyzed:
 08/30/21
 Data File:
 108476-02.054

 Matrix:
 Water
 Instrument:
 ICPMS2

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic 18.5

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: 1249_GW_EFF_20210826 Client: SoundEarth Strategies

Date Received: 08/27/21Project: $SOU_1249-001-06_20210827$

08/30/21 Lab ID: 108476-03 Date Extracted: Date Analyzed: 08/30/21 Data File: 108476-03.055 Matrix: ICPMS2Water Instrument: Units: ug/L (ppb)

SPOperator:

Concentration Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank Client: SoundEarth Strategies

Date Received: Not Applicable Project: SOU_1249-001-06_ 20210827

Units: ug/L (ppb) Operator: SP

Concentration

Analyte: ug/L (ppb)

Arsenic <1

ENVIRONMENTAL CHEMISTS

Date of Report: 09/01/21 Date Received: 08/27/21

Project: SOU_1249-001-06_ 20210827, F&BI 108476

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 108476-01 (Matrix Spike)

				Percent	Percent		
	Reporting	Spike	Sample	Recovery	Recovery	Acceptance	RPD
Analyte	Units	Level	Result	MS	MSD	Criteria	(Limit 20)
Arsenic	ug/L (ppb)	10	29.8	106	109	70-130	3

Laboratory Code: Laboratory Control Sample

			Percent	
	Reporting	Spike	Recovery	Acceptance
Analyte	Units	Level	LCS	Criteria
Arsenic	ug/L (ppb)	10	99	85-115

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.

SAMPLE CHAIN OF CUSTODY

TURNAROUND TIME
Standard (5 days)

Phone #__

3. W	SAMPLERS (signature)	M
	PROJECT NAME/NO.	
	Ballard Blocks II Property; Arsenic	<u>с</u>
	Treatment System Water Sampling REMARKS	pro-

Rush charges authorized by:

Will call with instructions

Return samples

SAMPLE DISPOSAL Dispose after 30 days

	,		. `		-		1249_GW_EFF_202\0826	1249_GW_MID_2O210826	1249_GW_INF_ 202108'26	Sample ID
,				*			Effluent	Mid- Treatment	Influent	Sample
				,			A/N.	N/A	N/A	Sample Depth
						\	g g	2	0/	Lab ID
THE REAL PROPERTY AND ADDRESS OF THE PROPERTY			-				8/26/21	8/26/21	8/26/21	Date Sampled
						Averagement Averagement and the Company of the Comp	8/26/21 0800 WATER	02 8/26/21 0805 WATER	8/14/21 0810 WATER	Time Sampled
		-			>		WATER	WATER	WATER	Matrix
		·		10			_	-		# of Jars
			8/2/		and the same of th		አ	X	X	Total Arsenic (200.8)
			126/21			,	,		-	:
		<u> </u>								ANALY
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	Anna Control of the C		5 - Administration of Administration of the		The same and the s	Water the second	HNO3 preserved	HNO ₃ preserved	HNO ₃ preserved	ANALYSES REQUESTED Notes



Received by:	Relinquished by:	Received by	Relinquished	
	I by:	Men	Relinquished by:	SIGNATURE
		VINT	JONATHAN LOEFFLER	PRINT NAME
Samples rederved at the columns		T-87	EARTH	COMPANY
lo ec		8/27/21/700	12/22/3	DATE
		1700	0041	TIME