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July 15, 2021

Erin Hobbs
Washington State Department of Ecology
Northwest Regional Office
PO Box 330316
Shoreline, Washington 98133-9716

**RE: PROGRESS REPORT, APRIL THROUGH JUNE 2021
REMEDIAL INVESTIGATION MONITORING AND FEASIBILITY STUDY
CAPITAL INDUSTRIES, INC.
5801 THIRD AVENUE SOUTH
SEATTLE, WASHINGTON
AGREED ORDER NO. DE 10402
FARALLON PN: 457-008**

Dear Erin Hobbs:

Farallon Consulting, L.L.C. (Farallon) has prepared this progress report on behalf of Capital Industries, Inc. (CI) to summarize the activities conducted during the second quarter of 2021, April through June, as part of the ongoing remedial investigation monitoring and feasibility study (FS) being conducted at the CI facility at 5801 3rd Avenue South in Seattle, Washington (herein referred to as the CI Site). This progress report has been prepared in accordance with Agreed Order No. DE 10402 dated April 23, 2014, entered into by potentially liable persons that include CI; Art Brass Plating, Inc.; Blaser Die Casting Co.; and Burlington Environmental, LLC; and by the Washington State Department of Ecology (Ecology) (Agreed Order). CI and the other potentially liable persons listed above are collectively referred to as the West of 4th Group. The West of 4th Group Site under the Agreed Order consists of Site Unit 1 (SU1) and Site Unit 2 (SU2), as depicted on the figure presented in Attachment A. The CI Site is located in SU2.

ACTIVITIES DURING REPORTING PERIOD

Activities completed during this progress reporting period included:

- Conducting a supplemental groundwater monitoring and sampling event in April 2021 to collect samples from four monitoring well locations that were not accessible in March 2021 during the regularly scheduled sampling event.
- Processing data from the semiannual groundwater monitoring and sampling work, conducted in March and April 2021 (Attachment B);
- Continuing operation of vapor intrusion subslab depressurization systems (SSDSs) at the Pacific Food Systems (PFS) North Building at 5815 4th Avenue South and



the Natus Medical Facility (Natus) at 5900 First Avenue South in Seattle, Washington;¹ and

- Evaluating the analytical results for SSDS influent and indoor air samples collected at the PFS North Building (Attachment C) and Natus (Attachment D) in April 2021.

These activities are summarized in the sections that follow.

GROUNDWATER MONITORING

Groundwater monitoring and sampling was performed during the week of March 15, 2021 and April 5, 2021 in accordance with the Technical Memorandum regarding FINAL West of 4th Groundwater Monitoring Program Plan, 2017 through Draft Cleanup Action Plan, W4 Joint Deliverable, Agreed Order No. DE 10402 dated March 21, 2017, from Janet Knox of Pacific Groundwater Group to Ed Jones of Ecology.

Groundwater elevation data were collected at SU2 monitoring wells on March 15, 2021. Groundwater samples were collected from monitoring wells scheduled for sampling and analyzed for chlorinated volatile organic compounds (CVOCs). Groundwater samples from select monitoring wells also were analyzed for natural attenuation parameters, including nitrate, ferrous iron, sulfate, methane, total organic carbon, and ethane/ethene.

Groundwater analytical results were similar to those of previous sampling events supporting that the CVOCs in the water table, shallow, and intermediate zones remain in a stable to decreasing state. The natural attenuation parameters continue to indicate that the shallow and intermediate zones are more conducive to anaerobic biodegradation processes than the water table zone. The groundwater data are included on summary figures provided in Attachment B.

VAPOR INTRUSION MITIGATION

The SSDSs at the PFS North Building and Natus operated continuously during the second quarter of 2021. Landau Associates, Inc. (Landau) evaluated the influent and ambient indoor and outdoor air monitoring results from the PFS North Building and Natus in April 2021, which are summarized in Attachments C and D, respectively.

Full analytical and inspection results from the April and September 2021 operations and maintenance events at the PFS North Building and Natus will be summarized in a forthcoming 2021 Annual Vapor Intrusion Mitigation Status Report that will be prepared by Landau following completing the September 2021 operations and maintenance event. A summary of the most recent semi-annual influent and indoor air sampling results is provided below.

Pacific Food Systems North Building

Indoor and outdoor ambient air samples were collected at the PFS North Building on April 26, 2021 by Landau personnel. Trichloroethene (TCE) was detected at concentrations ranging from

¹ The Natus Medical Facility at 5900 First Avenue South in Seattle, Washington was previously known as the Olympic Medical Facility.



1.33 to 1.94 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) at three indoor sample locations, which exceed the indoor air Inhalation Pathway Interim Measures Action Level (IPIMAL) of $0.39 \mu\text{g}/\text{m}^3$. Tetrachloroethene (PCE) was detected at concentrations ranging from 0.357 to $1.85 \mu\text{g}/\text{m}^3$, which are less than the indoor air IPIMAL of $7.5 \mu\text{g}/\text{m}^3$. No other CVOCs were detected in indoor air samples collected.

TCE was detected at a concentration of $0.411 \mu\text{g}/\text{m}^3$ and PCE was detected at a concentration of $1.66 \mu\text{g}/\text{m}^3$ in the outdoor air sample, which indicate the potential for these compounds to affect indoor air quality as air exchange occurs. No other CVOCs were detected in the outdoor air sample.

The SSDS vacuum blower at PFS North Building was inspected during the April 2021 site visit and is operating effectively within normal operating parameters. The current vacuum blower is applying sufficient vacuum beneath the building slab, resulting in ongoing effective depressurization and vapor intrusion mitigation.

An SSDS soil gas influent sample was collected to evaluate CVOC concentrations being extracted from beneath the building slab area. PCE was detected at a concentration of $41.4 \mu\text{g}/\text{m}^3$, and TCE was detected at a concentration of $84.7 \mu\text{g}/\text{m}^3$. PCE and TCE SSDS soil gas influent samples have been consistent since the SSDS startup with a detected steady-state rate of removal from approximately 2016 to date, based on available data.

The analytical results of the air samples indicate that CVOCs persist in indoor air at concentrations similar to prior rounds of monitoring at the PFS North Building. However, pressure measurements indicate the SSDS is maintaining the pressure field across the entire building slab. The consistent detections of CVOCs in indoor air while the SSDS is properly functioning suggests that a background source of CVOCs is present at the building, including potential contributions of CVOCs in outdoor ambient that routinely is exchanged with indoor air during normal building operations.

Natus Medical Facility

Indoor and outdoor ambient air samples were collected at Natus on April 28, 2021 by Landau personnel. PCE was detected at concentrations of 0.107 to $0.195 \mu\text{g}/\text{m}^3$ at two indoor air sample locations, which are less than the indoor air IPIMAL of $7.5 \mu\text{g}/\text{m}^3$. No other CVOCs were detected in indoor air samples collected. PCE was detected at a concentration of $0.107 \mu\text{g}/\text{m}^3$ in the outdoor air sample, which indicates the potential for PCE to affect indoor air quality as air exchange occurs. No other CVOCs were detected in the outdoor air sample collected.

The SSDS vacuum blower at Natus was inspected during the April 2021 site visit and is operating effectively within normal operating parameters. The current vacuum blower is applying sufficient vacuum beneath the building slab, resulting in ongoing effective depressurization and vapor intrusion mitigation.

An SSDS soil gas influent sample was collected to evaluate CVOC concentrations being extracted the area beneath the building slab. TCE was detected at a concentration of $0.472 \mu\text{g}/\text{m}^3$,



and PCE was detected at a concentration of 0.764 µg/m³. TCE and PCE SSDS influent samples at Natus have been consistent with a steady-state rate of removal from approximately 2017 to date, based on available data.

PUBLIC COMMUNICATIONS

No public communications activities were completed by CI during this period.

ANTICIPATED WORK IN THE NEXT QUARTER

Work anticipated to be performed during the third quarter of 2021, July through September, is summarized below.

GROUNDWATER MONITORING

A groundwater monitoring and sampling event will be conducted in September 2021. The purpose of the ongoing groundwater monitoring is to confirm the stability of the CVOC plumes, monitor the ongoing natural attenuation processes to refine the time frame for achieving cleanup levels, evaluate existing and potential vapor intrusion risk, and provide data to support preparation of a draft Cleanup Action Plan.

VAPOR INTRUSION MITIGATION

SSDS operations will continue at both PFS North Building and Natus. SSDS inspections, maintenance, and monitoring, including indoor and outdoor ambient air sampling, is scheduled to be conducted by Landau personnel in September 2021 at both the PFS North Building and Natus. The results of the inspections, maintenance, and monitoring of the SSDSs will be summarized in the 2021 Annual Vapor Intrusion Mitigation Status Report that will be prepared by Landau during the fourth quarter of 2021, and future quarterly progress reports.

As part of 2021 vapor intrusion investigation and mitigation work, further evaluation will be conducted to assess the source of TCE at PFS North Building that has resulted in persistent detections of TCE at concentrations exceeding the IPIMAL in indoor air samples. Additional work is planned to evaluate whether the SSDS system at Natus can be shut down. If ongoing SSDS operations are necessary beyond 2021 at Natus, the vacuum blower currently in operation will likely require replacement with a similar unit, due to recent inspection results indicating that the blower is approaching the end of its expected lifespan. A work plan for future work will be submitted for Ecology review. Results of ongoing investigation and mitigation measures will be summarized in the 2021 Annual Vapor Intrusion Mitigation Status Report.

FEASIBILITY STUDY WORK

CI and the other West of 4th Group will respond to comments from Ecology on the draft FS Addenda for SU1 and SU2, which were submitted to Ecology for review in January 2021. Ecology assigned a new project manager to the West of 4th Group during this reporting period. Based on a project management transition meeting with Ecology in June 2021, comments regarding the SU1 and SU2 draft FS Addenda are anticipated in the third quarter of 2021. The FS Addenda for SU2 and SU1 will be finalized and together will comprise the final components of



the West of 4th Group FS Report. Upon concurrence from Ecology that the FS requirements have been completed, a draft Cleanup Action Plan will be prepared for SU2.

PUBLIC COMMUNICATIONS

The project website ([Public Access - Farallon Consulting](#)) will be updated with an electronic copy of this progress report.

The next progress report will summarize activities completed from July to September 2021 and will be submitted on or before October 15, 2021.

CLOSING

Farallon trusts that this quarterly progress report provides sufficient information for Ecology needs. If you have questions regarding this project, please contact either of the undersigned at (425) 295-0800.

Sincerely,

Farallon Consulting, L.L.C.

A handwritten signature in blue ink that reads "Amanda M. Meugniot".

Amanda Meugniot
Associate Geologist

A handwritten signature in blue ink that reads "Jeffrey Kaspar".

Jeffrey Kaspar, L.G., L.H.G.
Principal Geologist

Attachments: Attachment A, Site Diagram
Attachment B, Groundwater Data Figures
Attachment C, Subslab Depressurization System Analytical Results – Pacific Food Systems – North Building
Attachment D, Subslab Depressurization System Analytical Results – Natus Medical Facility

cc: Ron Taylor, Capital Industries, Inc.
Donald Verfurth, Gordon Rees Scully Mansukhani, LLP
Thomas Mullen, Gordon Rees Scully Mansukhani, LLP
Kenneth Luther, Chubb Group of Insurance Companies
Alborz Wozniak, Veritas Environmental Consulting, Inc.
Peter J. Mintzer, Selman Breitman LLP
Alex Sage, Allianz Reinsurance America, Inc.
Marshall Zimmerman, The Travelers Companies
Jane E. Kelly, The Travelers Companies

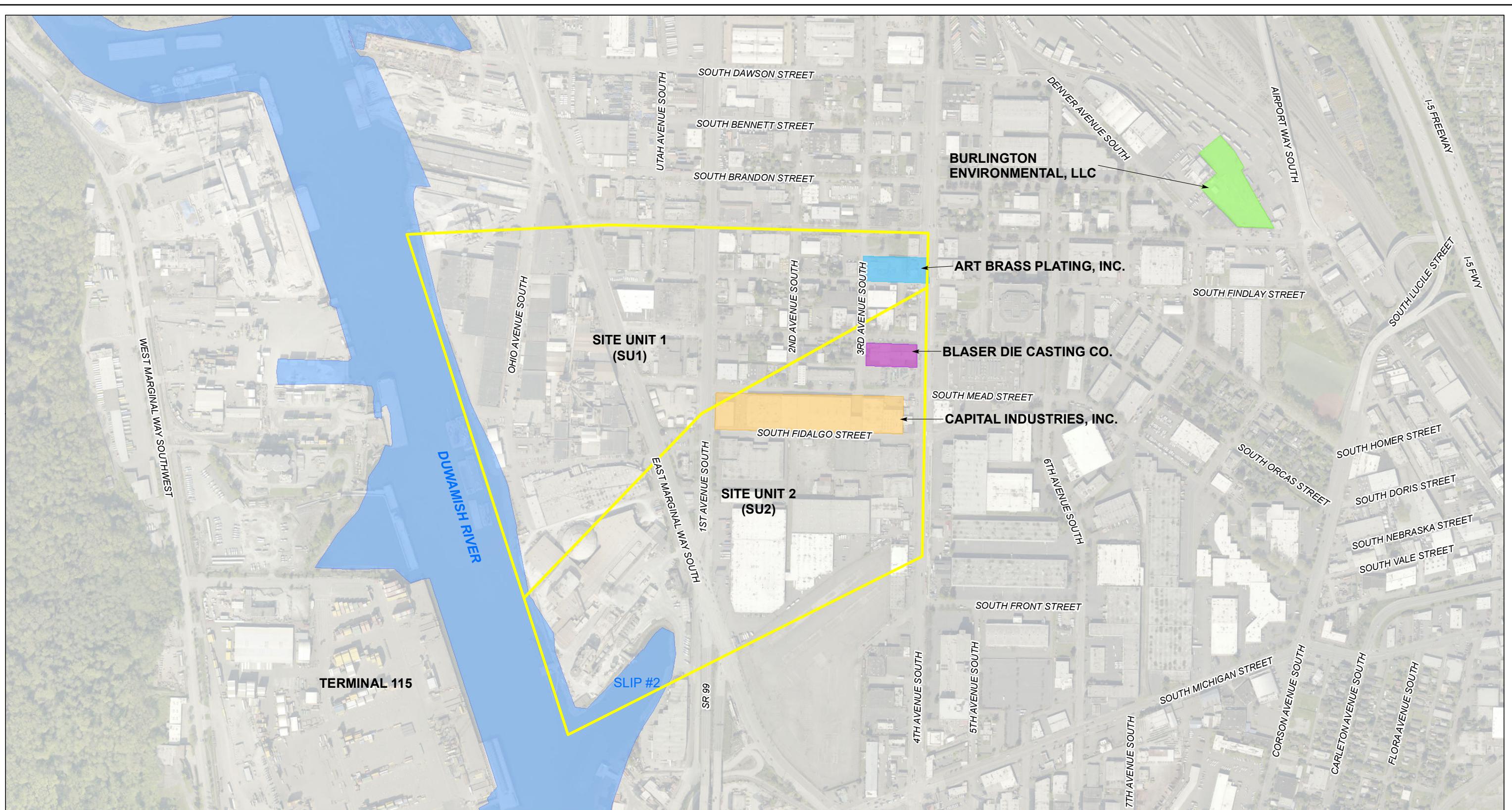
Email with link to electronic copy on project website:

Janet Knox, Pacific Groundwater Group
Dana Cannon, Aspect Consulting
Bill Carroll, Arrow Environmental
Laura Dell'Olio, Clean Earth

**ATTACHMENT A
SITE DIAGRAM**

PROGRESS REPORT, APRIL THROUGH JUNE 2021
Capital Industries, Inc.
5801 Third Avenue South
Seattle, Washington

Farallon PN: 457-008



LEGEND

- ART BRASS PLATING, INC.
- BLASER DIE CASTING CO.
- CAPITAL INDUSTRIES, INC.
- BURLINGTON ENVIRONMENTAL, LLC
- SITE UNIT BOUNDARY

1. ALL LOCATIONS ARE APPROXIMATE
2. FIGURES WERE PRODUCED IN COLOR. GRayscale COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

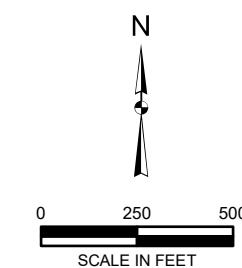


FIGURE 1

**SITE VICINITY
WEST OF 4th GROUP SITE UNIT 2
SEATTLE, WASHINGTON**

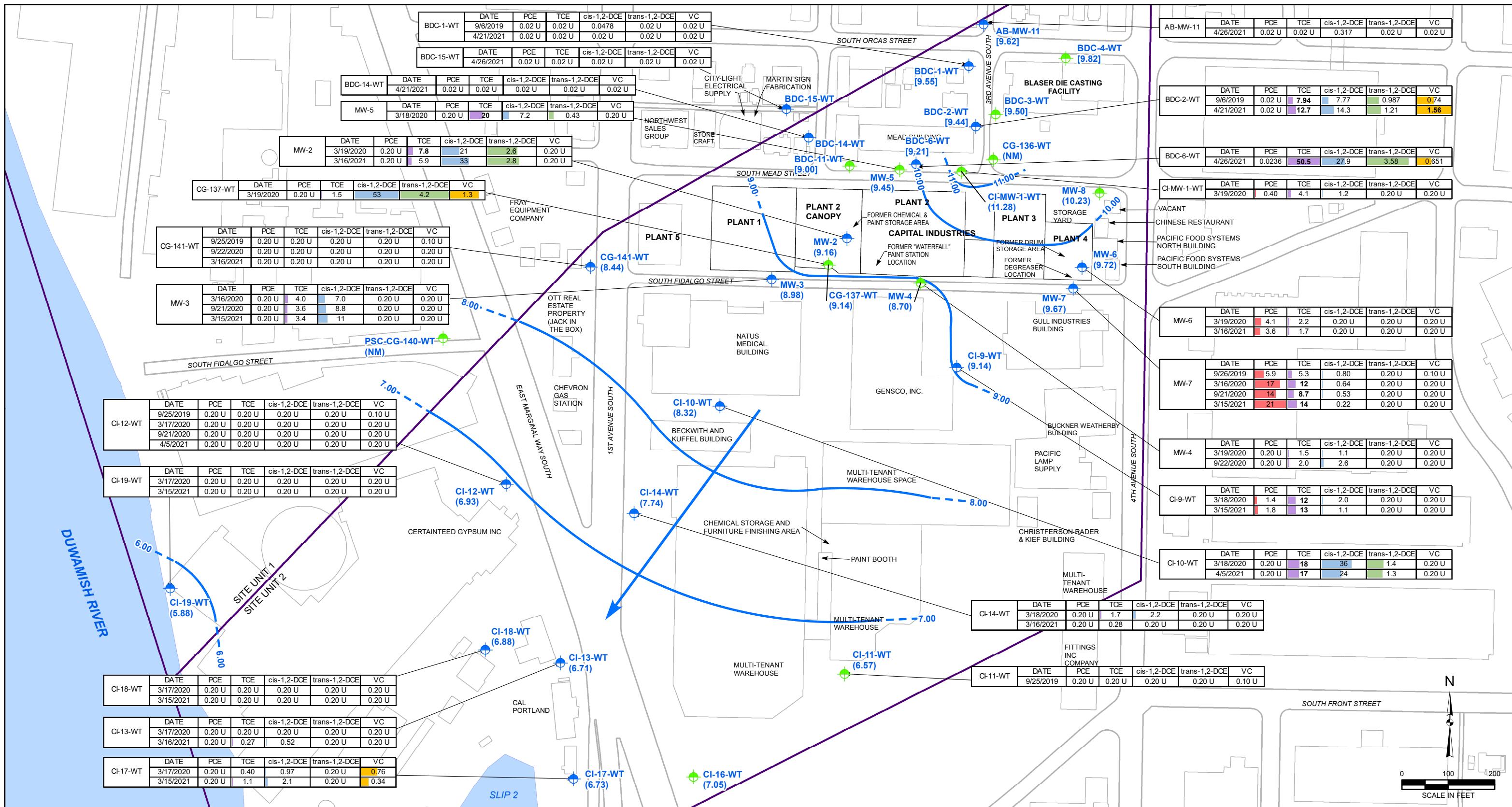
FARALLON PN: 457-008

ATTACHMENT B
GROUNDWATER DATA FIGURES

PROGRESS REPORT, APRIL THROUGH JUNE 2021

Capital Industries, Inc.
5801 Third Avenue South
Seattle, Washington

Farallon PN: 457-008



LEGEND

- WATER TABLE ZONE MONITORING WELL,
SAMPLED BY FARALLON/CAPITAL INDUSTRIES
 - WATER TABLE ZONE MONITORING WELL, NOT SAMPLED BY
FARALLON/CAPITAL INDUSTRIES IN MARCH/APRIL 2021
 - SITE UNIT BOUNDARY
 - GROUNDWATER SURFACE ELEVATION
CONTOUR (DASHED WHERE INFERRED)
 - APPROXIMATE DIRECTION OF
GROUNDWATER FLOW
 - GROUNDWATER LEVEL ELEVATION NAVD88,
MARCH/APRIL 2021

- ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER
 - CELL SHADING INDICATES RELATIVE CONCENTRATION OF CONSTITUENT BASED ON UPPER 90TH PERCENTILE OF CONCENTRATIONS OF THAT CONSTITUENT DEPICTED ON FIGURE FOR THAT SAMPLING PERIOD.
 - DCE = DICHLOROETHENE
 - PCE = TETRACHLOROETHENE
 - TCE = TRICHLOROETHENE
 - VC = VINYL CHLORIDE
 - (NM) = GROUNDWATER ELEVATION NOT MEASURED IN MARCH 2021.
 - BOLD** = INDICATES CONCENTRATIONS EXCEED WEST OF FOURTH GROUNDWATER PRELIMINARY CLEANUP LEVELS FOR PROTECTION OF AIR
 - U = INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT

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FIGURE 1

**GROUNDWATER ANALYTICAL RESULTS FOR
WATER TABLE ZONE: SEPTEMBER 2019 - APRIL 2021
CAPITAL INDUSTRIES, INC.
SEATTLE, WASHINGTON**

EARLON PN: 457 008

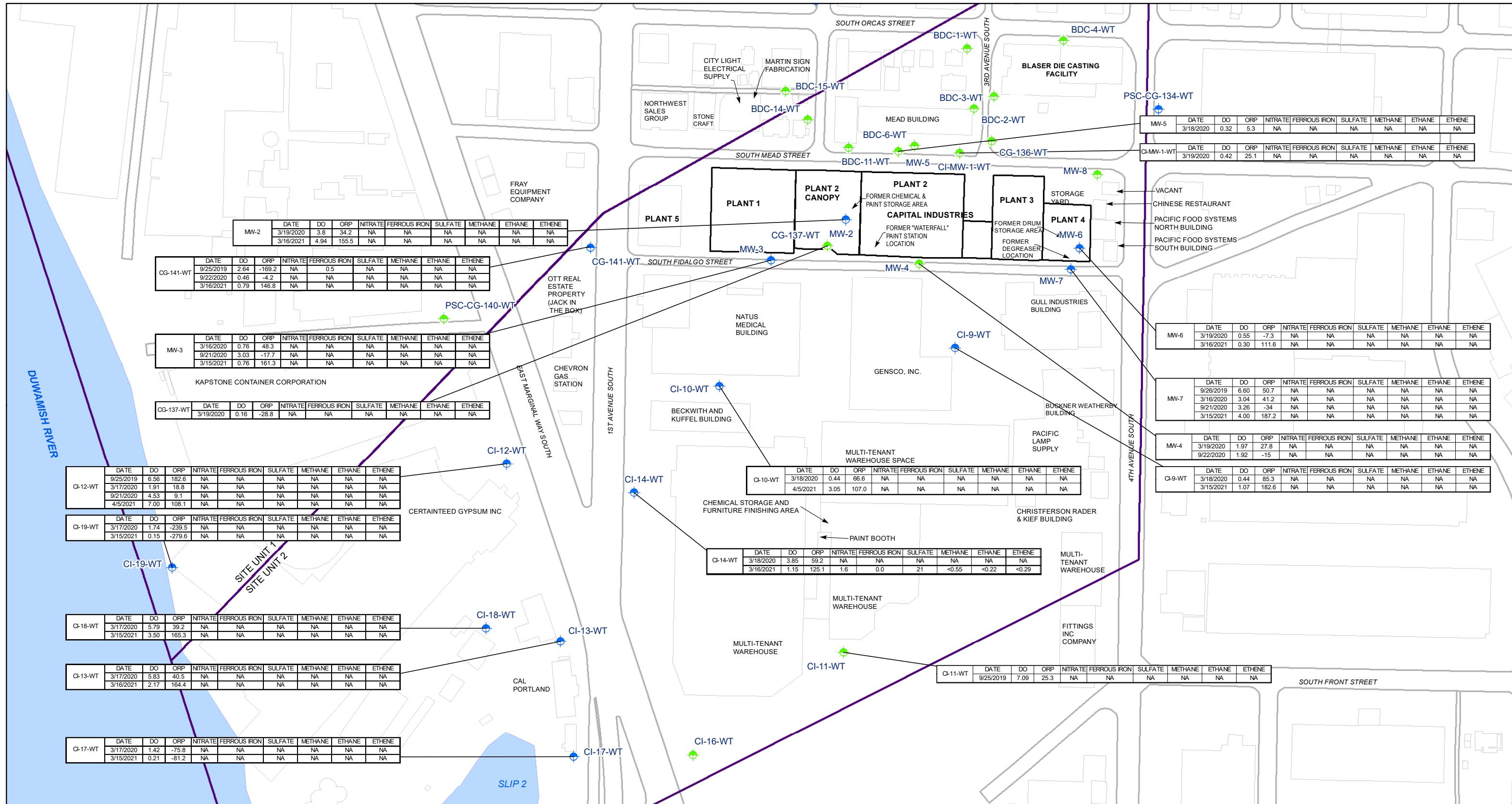
Drawn By: TPerrin

Checked By: AM

7/15/2021

VALLEY

Disc Reference

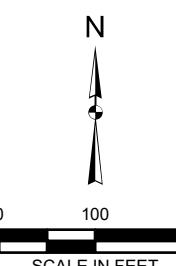


LEGEND

- Water Table Zone Monitoring Well, Sampled by Farallon/Capital Industries in March/April 2021
- Water Table Zone Monitoring Well, Not Sampled by Farallon/Capital Industries in March/April 2021
- Site Unit Boundary

- Ferroous Iron, Nitrate and Sulfate in milligrams per liter units
- Methane, Ethane, and Etheene in micrograms per liter units
- DO = Dissolved Oxygen (milligrams per liter)
- ORP = Oxidation Reduction Potential (millivolts)
- IE = Instrument Error
- NA = Not Analyzed
- < = Analyte Not Detected At or Exceeding the Reporting Limit Listed

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FIGURE 1A

NATURAL ATTENUATION PARAMETER RESULTS FOR
WATER TABLE ZONE: SEPTEMBER 2019 - APRIL 2021
CAPITAL INDUSTRIES, INC.
SEATTLE, WASHINGTON

FARALLON PN: 457-008

Drawn By: TPerrin Checked By: AM Date: 6/17/2021
Path: Q:\Projects\457 CapitalIndust\008 PilotStudy\Mapfiles\2021_Q1_GWFigure-01A_NatAtten_WT-Zone_2021Q1.mxd Disc Reference:

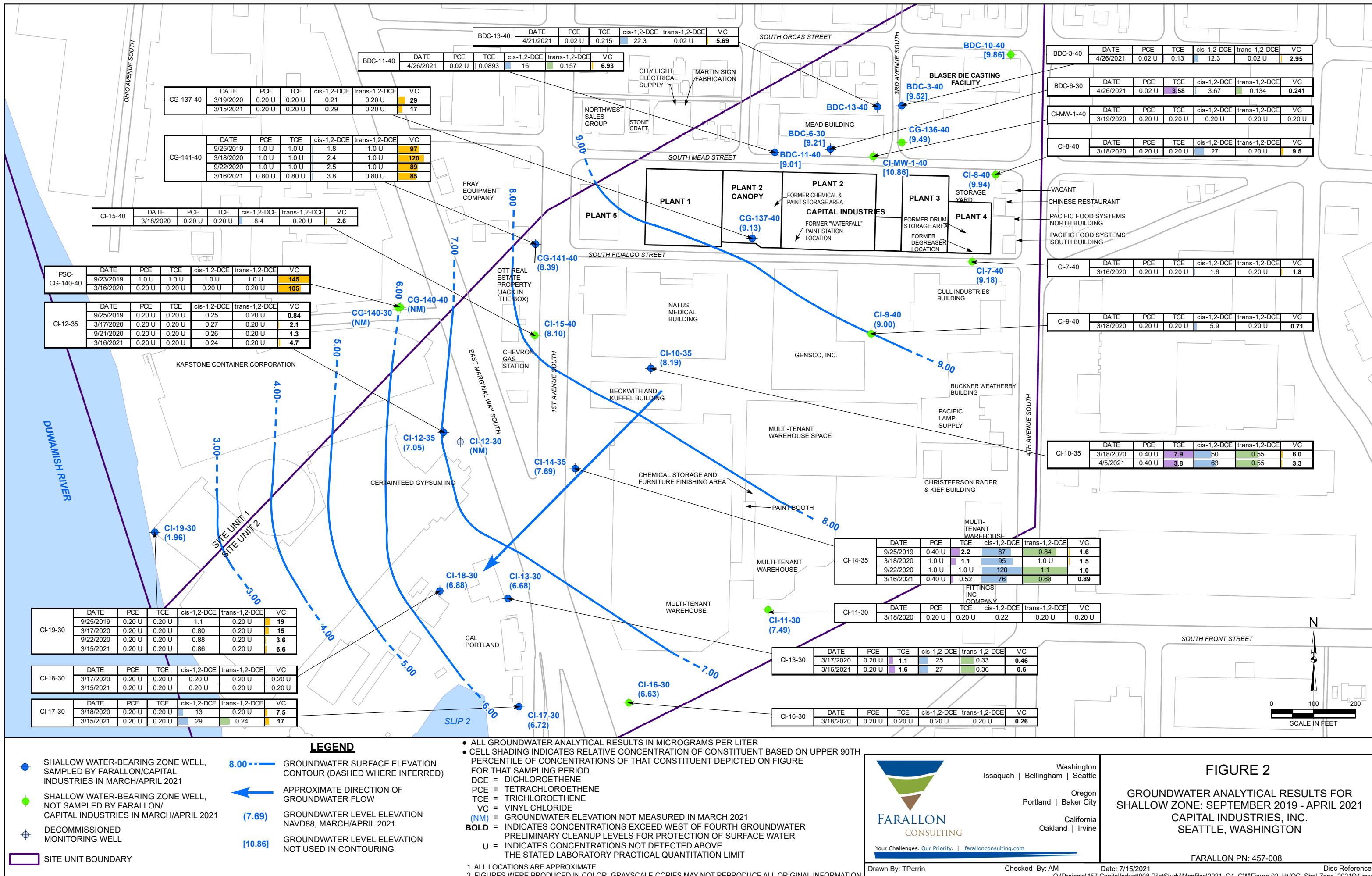
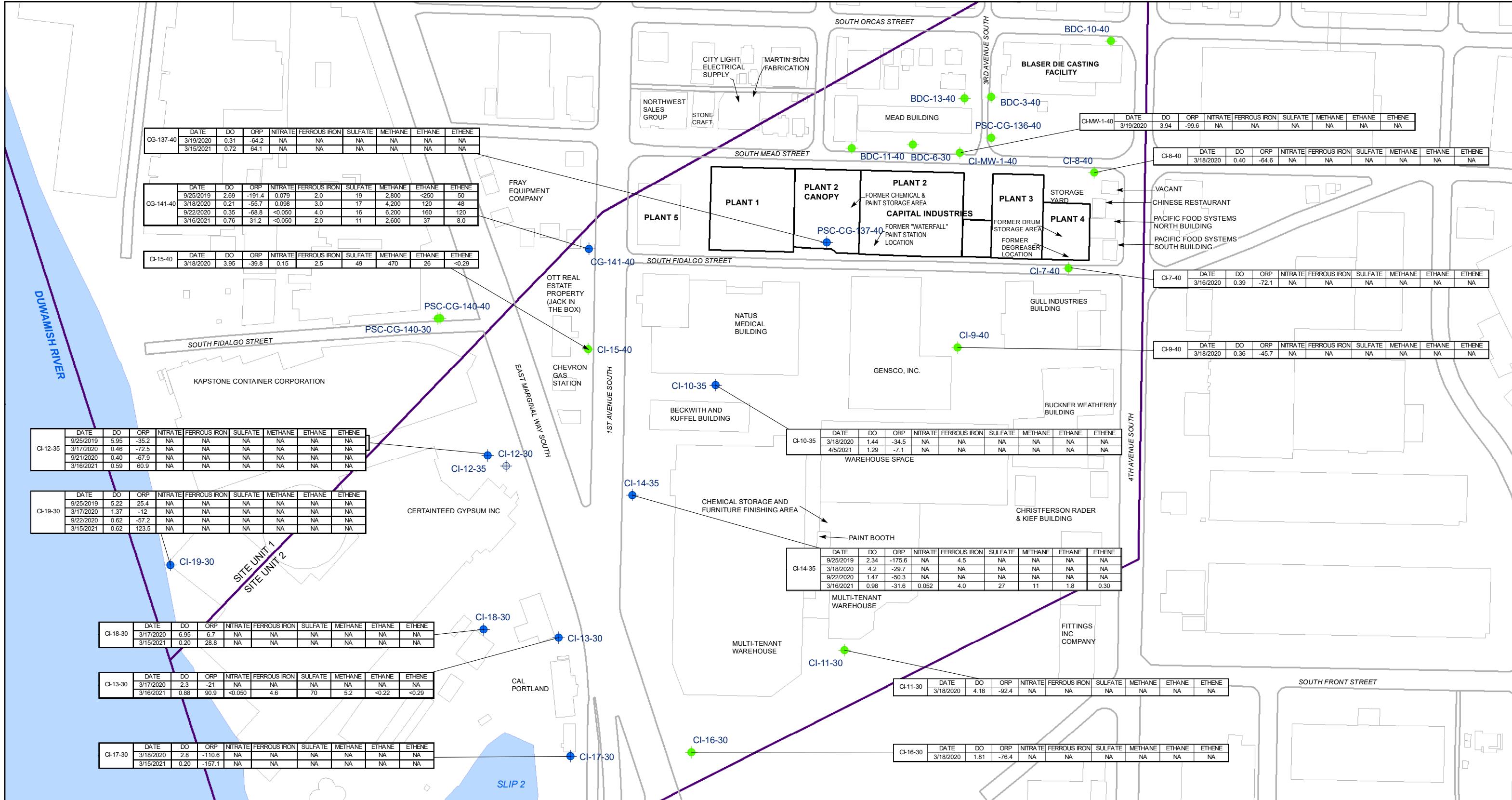


FIGURE 2
GROUNDWATER ANALYTICAL RESULTS FOR
SHALLOW ZONE: SEPTEMBER 2019 - APRIL 2021
CAPITAL INDUSTRIES, INC.
SEATTLE, WASHINGTON
FARALLON PN: 457-008

Disc Reference:
Q:\Projects\457\CapitalIndust\008\PilotStudy\Mapfiles\2021_Q1_GWFigure-02_HVOC_ShallowZone_2021Q1.mxd



LEGEND

- ◆ SHALLOW WATER-BEARING ZONE WELL, SAMPLED BY FARALLON/CAPITAL INDUSTRIES IN MARCH/APRIL 2021
- ◆ ◆ SHALLOW WATER-BEARING ZONE WELL, NOT SAMPLED BY FARALLON/CAPITAL INDUSTRIES IN MARCH/APRIL 2021
- ◆ ◇ DECOMMISSIONED MONITORING WELL
- SITE UNIT BOUNDARY

- FERROUS IRON, NITRATE AND SULFATE IN MILLIGRAMS PER LITER UNITS
 - METHANE, ETHANE, AND ETHENE IN MICROGRAMS PER LITER UNITS
- DO = DISSOLVED OXYGEN (MILLIGRAMS PER LITER)
 ORP = OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)
 IE = INSTRUMENT ERROR
 NA = NOT ANALYZED
 < = ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED

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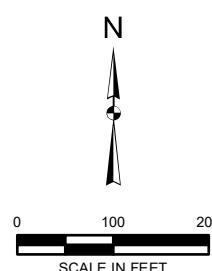
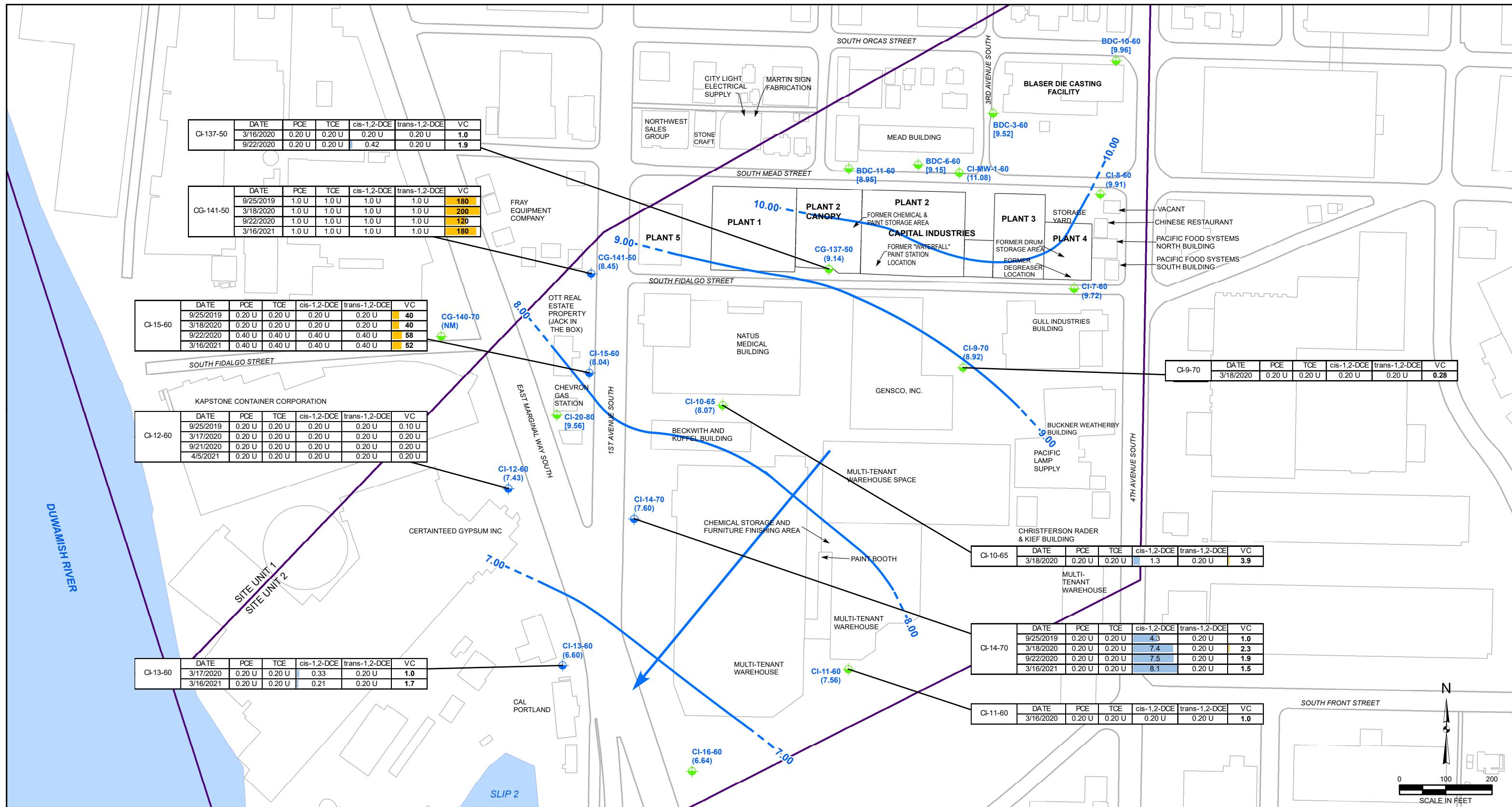


FIGURE 2A

NATURAL ATTENUATION PARAMETERS RESULTS
 FOR SHALLOW ZONE: SEPTEMBER 2019 - APRIL 2021
 CAPITAL INDUSTRIES, INC.
 SEATTLE, WASHINGTON

FARALLON PN: 457-008

Drawn By: TPerrin Checked By: AM Date: 6/17/2021
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LEGEND

- LEGEND**

 - INTERMEDIATE WATER-BEARING ZONE WELL, SAMPLED BY FARALLON/CAPITAL INDUSTRIES IN MARCH/APRIL 2021
 - INTERMEDIATE WATER-BEARING ZONE WELL, NOT SAMPLED BY FARALLON/CAPITAL INDUSTRIES IN MARCH/APRIL 2021
 - SITE UNIT BOUNDARY
 - GROUNDWATER SURFACE ELEVATION CONTOUR (DASHED WHERE INFERRED)
 - APPROXIMATE DIRECTION OF GROUNDWATER FLOW
 - (8.00) GROUNDWATER LEVEL ELEVATION NAVD88, MARCH/APRIL 2021
 - [9.56] GROUNDWATER LEVEL ELEVATION NOT USED IN CONTOURING
 - ALL GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER
 - CELL SHADING INDICATES RELATIVE CONCENTRATION OF CONSTITUENT BASED ON UPPER 90TH PERCENTILE OF CONCENTRATIONS OF THAT CONSTITUENT DEPICTED ON FIGURE FOR THAT SAMPLING PERIOD.
 - DCE = DICHLOROETHENE
 - PCE = TETRACHLOROETHENE
 - TCE = TRICHLOROETHENE
 - VC = VINYL CHLORIDE
 - (NM) = GROUNDWATER ELEVATION NOT MEASURED IN MARCH 2021
 - BOLD** = INDICATES CONCENTRATIONS EXCEED WEST OF FOURTH GROUNDWATER PRELIMINARY CLEANUP LEVELS FOR PROTECTION OF SURFACE WATER
 - U = INDICATES CONCENTRATIONS NOT DETECTED ABOVE THE STATED LABORATORY PRACTICAL QUANTITATION LIMIT
 - 1. ALL LOCATIONS ARE APPROXIMATE
 - 2. FIGURES WERE PRODUCED IN COLOR. GRayscale COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

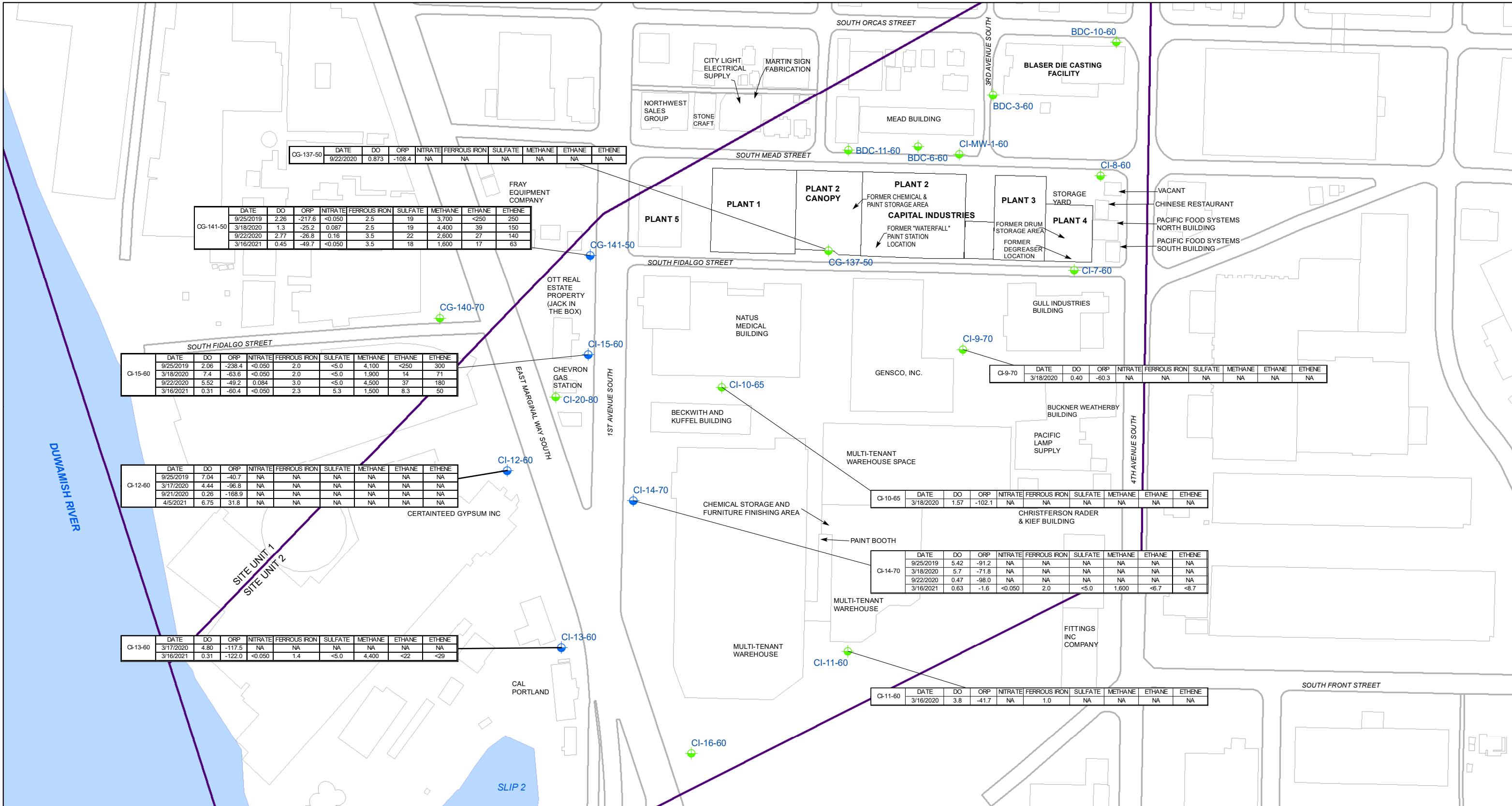


FIGURE 3

**GROUNDWATER ANALYTICAL RESULTS FOR
INTERMEDIATE ZONE: SEPTEMBER 2019 - APRIL 2021
CAPITAL INDUSTRIES, INC.
SEATTLE, WASHINGTON**

BALLOON PN: 457-008

Date: 7/15/2021 Disc Reference: CapitalIndust008 PilotStudyMapfiles\2021_Q1_GW\Figure-03_HVOC_ Int-Zone 2021Q1.mxd



LEGEND

 INTERMEDIATE WATER-BEARING ZONE WELL, SAMPLED BY FARALLON/CAPITAL INDUSTRIES IN MARCH/APRIL 2021

 INTERMEDIATE WATER-BEARING ZONE WELL, NOT SAMPLED BY FARALLON/CAPITAL INDUSTRIES IN MARCH/APRIL 2021

SITE UNIT BOUNDARY

- FERROUS IRON, NITRATE AND SULFATE IN MILLIGRAMS PER LITER UNITS
 - METHANE, ETHANE, AND ETHENE IN MICROGRAMS PER LITER UNITS

DO = DISSOLVED OXYGEN (MILLIGRAMS PER LITER)
ORP = OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)
IE = INSTRUMENT ERROR
NA = NOT ANALYZED
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE
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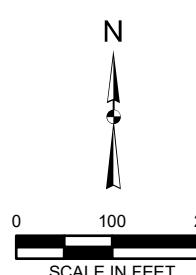


FIGURE 3A

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The logo consists of three overlapping triangles pointing downwards. The top triangle is blue, the middle is green, and the bottom is brown.

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Checked By: AM Date: 6/17/2021

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DISC E

ATTACHMENT C
SUBSLAB DEPRESSURIZATION SYSTEM ANALYTICAL RESULTS –
PACIFIC FOOD SYSTEMS – NORTH BUILDING

PROGRESS REPORT, APRIL THROUGH JUNE 2021

Capital Industries, Inc.
5801 Third Avenue South
Seattle, Washington

Farallon PN: 457-008

Table 1
Summary of Vapor Intrusion Assessment Analytical Results
Pacific Food Systems, Inc. North Building
5815 4th Avenue South
Seattle, Washington

Sample Type	Location	Location Description	Sample Identification	Sample Date	Volatile Organic Compounds ($\mu\text{g}/\text{m}^3$; TO-15, TO-15 SIM)					
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride
			Commercial Indoor Air IPIMAL - Cancer	22	1.5					0.66
			Commercial Indoor Air IPIMAL - Non-cancer	7.5	0.39					19
Indoor Air ¹	5815N-IA1	Western side of Pacific Food Systems North Building Shop Area	FAR-36029-022112	2/21/2012	1.5	4.4	0.98	0.67 U	0.067 U	0.043 U
			IA-3-1565-032013	3/20/2013	1.6	7.0	1.6	0.68 U	0.068 U	0.044 U
			IA6-22497-060115	6/1/2015	0.39	2.0	0.12 U	0.63 U	0.063 U	0.040 U
			IA5-15899-113015	11/30/2015	0.534	0.971	0.0793 U	0.0238 U	0.0357 U	0.217 U
			IA2-1042616-Warehouse	4/26/2016	0.61	4.68	0.0793 U	0.0238 U	--	0.217 U
			IA2-083116-Warehouse	8/31/2016	0.475	2.15	0.0793 U	0.0238 U	0.0357 U	0.217 U
			IA2-010517-Warehouse	1/5/2017	0.905	2.95	0.201	0.0238 U	0.0357 U	0.217 U
			IA-2-033017	3/30/2017	0.339 U	1.51	0.0793 U	0.0238 U	0.0357 U	0.217 U
			IA-3-15901-032019	3/20/2019	1.69 B	2.83	0.0793 U	0.0974	0.0357 U	0.217 U
			5815N-IA-1-092619	9/26/2019	0.770	2.82	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5815N-IA1-031920	3/19/2020	0.475	5.52	2.09	0.287	0.0815	0.217 U
			5815N-IA1-20200923	9/23/2020	0.510	1.64	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5815N-IA1-20210426	4/26/2021	0.424	1.33	0.396 U	0.198 U	0.0397 U	0.0256 U
	5815N-IA3	Pacific Food Systems North Building Parts Cleaner Area in Shop	IA-5-13844-042414	4/24/2014	1.1	3.4	0.49	0.65 U	0.065 U	0.042 U
	5815N-IA4		IA-6-33970-050514	5/5/2014	0.95	3.6	0.34	0.65 U	0.065 U	0.042 U
	5815N-IA8	Pacific Food Systems North Building Front Office	FAR-25243-022112	2/21/2012	0.60	1.9	0.32	0.68 U	0.068 U	0.044 U
			IA-4-34193-032013	3/20/2013	0.66	2.4	0.43	0.67 U	0.067 U	0.043 U
			IA7-34758-060115	6/1/2015	1.1	1.9	0.12 U	0.62 U	0.062 U	0.040 U
			IA4-17646-113015	11/30/2015	0.606	0.938	0.0793 U	0.0238 U	0.0357 U	0.217 U
			IA1-1042616-Office	4/26/2016	0.475	4.84	0.0793 U	0.0238 U	--	0.217 U
			IA1-083116-Office	8/31/2016	0.475	2.26	0.0793 U	0.0238 U	0.0357 U	0.217 U
			IA2-010517-Office	1/5/2017	0.585	39.5	0.0793 U	0.0238 U	0.0357 U	0.217 U
			IA-1-033017	3/30/2017	0.351	3.42	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5815N-IA-8-092619	9/26/2019	0.339 U	3.89	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5815N-IA8-031920	3/19/2020	0.598	1.43	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5815N-IA8-20200923	9/23/2020	0.339 U	1.37	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5815N-IA8-20210426	4/26/2021	1.85	1.40	0.396 U	0.198 U	0.0397 U	0.0256 U
			IA-2-17244-032019	3/20/2019	702 B,E	3.57	0.0793 U	0.0615	0.0357 U	0.217 U
			5815N-IA-9-092619	9/26/2019	0.339 U	0.0914 U	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5815N-IA-9-20200923	9/23/2020	0.339 U	1.54	0.0793 U	0.0238 U	0.0357 U	0.217 U
	5815N-IA9	Pacific Food Systems North Building Central Shipping Room Proximate to Door	5815N-IA9-20210426	4/26/2021	0.357	1.94	0.396 U	0.198 U	0.0397 U	0.0256 U

Table 1
Summary of Vapor Intrusion Assessment Analytical Results
Pacific Food Systems, Inc. North Building
5815 4th Avenue South
Seattle, Washington

Sample Type	Location	Location Description	Sample Identification	Sample Date	Volatile Organic Compounds ($\mu\text{g}/\text{m}^3$; TO-15, TO-15 SIM)					
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride
Outdoor Air	5815S-OA1	Outside south of Pacific Food Systems South Building	FAR-5659-022112	2/21/2012	0.22 U	0.17 U	0.13 U	0.64 U	0.064 U	0.041 U
			OA-1-35995-032013	3/20/2013	0.23 U	0.18 U	0.13 U	0.66 U	0.066 U	0.043 U
			5815N-OA1-20210426	4/26/2021	1.66	0.411	0.396 U	0.198 U	0.0397 U	0.0256 U
	5815S-OA2	Outside Pacific Food Systems South Building at southeastern corner on telephone pole	OA-2-34748-040214	4/24/2014	0.21 U	0.27	0.12 U	0.61 U	0.061 U	0.039 U
			AA3-96113-060115	6/1/2015	0.21 U	2.9	0.12 U	0.61 U	0.061 U	0.039 U
			AA1-042616-UW	4/26/2016	0.339 U	14.8	0.0793 U	0.0238 U	--	0.217 U
	5815S-OA3	Outside south of Pacific Food Systems South Building	OA1-010517-UW	1/5/2017	0.573	4.96	0.0793 U	0.0238 U	0.0357 U	0.217 U
			OA-3-15422-032019	3/20/2019	2.46 B	0.0931	0.0793 U	0.0566	0.0357 U	0.217 U
			5815N-OA-3-092619	9/26/2019	0.339 U	0.153	0.0793 U	0.0238 U	0.0357 U	0.217 U
	5815N-OA1	Outside east of Pacific Food Systems buildings on telephone pole	5815N-OA1-20200923	9/23/2020	0.339 U	0.0914 U	0.0793 U	0.0238 U	0.0357 U	0.217 U
			AA1-15423-113015	11/30/2015	0.339 U	0.0914 U	0.0793 U	0.0238 U	0.0357 U	0.217 U
			AA1-083116-DO	8/31/2016	0.339 U	0.0914 U	0.0793 U	0.038 U	0.0357 U	0.217 U
			OA-1-033017	3/30/2017	0.339 U	0.0914 U	0.0793 U	0.0238 U	0.357 U	0.217 U
			5815N-OA1-031920	3/19/2020	0.339 U	0.0914 U	0.0793 U	0.0311	0.0357 U	0.217 U
Subslab ⁴	5815N-SS1	Western side of Pacific Food Systems North Building Shop Area	5815N-Warehouse1-041311	4/13/2011	840	1,400	74	1.4 U	0.68 U	0.44 U
	5815N-SS2	Central part of Pacific Food Systems North Building Shop Area	5815N-Warehouse2-041311	4/13/2011	4,200	28,000	42 U	42 U	42 U	27 U
SSDS ⁴	SSDS Influent	SSDS Influent Sample Port	SYSTEMINFLUENT-042616	4/26/2016	170	243	12.9	0.238	--	0.217 U
			SYSTEM-083116	8/31/2016	497	482	23.9	0.278	0.0357 U	0.217 U
			PFS-Influent-010517	1/5/2017	153	266	5.95	0.211	0.0357 U	0.217 U
			PFS-Influent-033017	3/30/2017	138	169	9.95	0.264	0.0357 U	0.217 U
			PFS-INF-17637-032019	3/20/2019	148 B,E	219	3.14	0.154	0.0357 U	0.217 U
			5815N-INFLUENT-092619	9/26/2019	196	232	6.07	0.331	0.0357 U	0.217 U
			5815N-INFLUENT-031920	3/19/2020	98.0	87.4	2.30	0.108	0.0357 U	0.217 U
			5815N-INFLUENT-20200923	9/23/2020	94.6	168	5.57	0.216	0.0357 U	0.217 U
			5815N-INFLUENT-20210426	4/26/2021	41.4	84.7	2.29	0.793 U	0.159 U	0.102 U

Notes:

Bold text indicates detected analyte

Green shading indicates detected analyte exceeds IPIMAL

(a) Interim action levels presented from Updated Air and Groundwater IPIMALS/VIRLS for Residential and Commercial Scenarios for the Georgetown Site dated October 19, 2012. Note that only compounds representing a vapor intrusion risk are listed.

(b) IPIMALs are not applicable to soil gas results.

U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

B = Analyte detected in the associated Method Blank

E = Value above quantitation range

1. Indoor air concentrations are not normalized to outdoor air concentrations

Acronyms/Abbreviations:

IPIMAL = inhalation pathway interim measure action level

-- = not analyzed

N/A = Not Applicable, used where the constituent of concern will not affect the medium of potential concern due to an incomplete pathway or no pertinent standard exists.

Pacific Food Systems = Pacific Food Systems, Inc.

PCE = tetrachloroethene

SSDS = subslab depressurization system

TCE = trichloroethene

VIRLS = vapor intrusion remediation levels

ATTACHMENT D
SUBSLAB DEPRESSURIZATION SYSTEM ANALYTICAL RESULTS –
NATUS MEDICAL FACILITY

PROGRESS REPORT, APRIL THROUGH JUNE 2021
Capital Industries, Inc.
5801 Third Avenue South
Seattle, Washington

Farallon PN: 457-008

Table 1
Summary of Vapor Intrusion Assessment Analytical Results
Natus (Formerly Olympic) Medical Facility
5900 First Avenue South
Seattle, Washington

Sample Type	Location	Location Description	Sample Identification	Sample Date	Volatile Organic Compounds ($\mu\text{g}/\text{m}^3$; TO-15, TO-15 SIM)					
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene ¹	Vinyl Chloride
			Commercial Indoor Air IPIMAL - Cancer ²	22	1.5	N/A	N/A	N/A	0.66	
			Commercial Indoor Air IPIMAL - Non-cancer ²	7.5	0.39		12	39	19	
Indoor Air (c)	5900-IA1	Building Main Office	IA8-33937-060215	6/2/2015	0.22 U	0.17 U	0.13 U	0.63 U	0.063 U	0.041 U
			NATUS-OFFICE-032118	3/21/2018	0.882	1.11	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-IA1-10945-032019	3/20/2019	1.49	0.238	0.0793 U	0.0372	0.0357 U	0.217 U
			5900-IA-1-092719	9/27/2019	0.339 U	0.0914 U	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-IA1-031920	3/19/2020	0.411	0.213	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-IA1-20200923	9/23/2020	0.339 U	0.0914 U	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-IA1-20210428	4/28/2021	0.107	0.0537 U	0.396 U	0.198 U	0.0397 U	0.0256 U
	5900-IA2	Building Shipping Office	IA9-34348-060215	6/2/2015	0.21 U	0.17 U	0.12 U	0.62 U	0.062 U	0.040 U
	5900-IA3	Building Warehouse	NATUS-WAREHOUSE-032118	3/21/2018	0.583	25.3	0.0793 U	0.102	0.117	0.261
			NATUS-5900-IA3-080218	8/2/2018	0.339 U	0.0914 U	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-IA3-15893-032019	3/20/2019	2.18	6.08	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-IA3-092619	9/26/2019	0.666	0.605	0.0793 U	0.0330	0.0357 U	0.217 U
			5900-IA3-031920	3/19/2020	0.734	0.176	0.0793 U	0.0268	0.0357 U	0.217 U
			5900-IA3-20200923	9/23/2020	0.339 U	0.0914 U	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-IA3-20210428	4/28/2021	0.195	0.0537 U	0.396 U	0.198 U	0.0397 U	0.0256 U
Outdoor Air	5900-OA1	Outside north of the Building on a telephone pole	AA4-34322-060215	6/2/2015	0.21 U	0.16 U	0.12 U	0.61 U	0.061 U	0.039 U
	5900-OA2	Outside south of the Building on west side	NATUS-UPWIND-032118	3/21/2018	0.600	0.430	0.0793 U	0.0238 U	0.0357 U	0.217 U
			NATUS-5900-OA2-080218	8/2/2018	0.339 U	0.0914 U	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-OA2-092619	9/26/2019	0.368	4.27	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-OA2-031920	3/19/2020	8.83	0.0914 U	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-OA2-20200923	9/23/2020	3.45	0.0914 U	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-OA2-20210428	4/28/2021	0.107	0.0537 U	0.396 U	0.198 U	0.0397 U	0.0256 U
	5900-OA3	Ouside west of the Building moved to southwest corner of the Building.	5900-OA3-15421-032019	3/20/2019	1.36	0.0914 U	0.0793 U	0.0416	0.0357 U	0.217 U
SSDS (b)	SSDS Exhaust Blower Influent	Monitoring port on influent of SSDS exhaust blower	OLY-Influent-010517	1/5/2017	1.49	9.47	2.21	0.511	0.0979	0.217 U
			NATUS-INFULENT-032118	3/21/2018	0.675	1.06	0.118	0.0948	0.0357 U	0.217 U
			NATUS-INF-15894-032019	3/20/2019	1.46	0.567	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-INFLUENT-092619	9/26/2019	0.750	1.72	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-INFLUENT-031920	3/19/2020	0.596	0.525	0.177	0.0238 U	0.0357 U	0.217 U
			5900-INFLUENT-20200923	9/23/2020	1.41	0.511	0.0793 U	0.0238 U	0.0357 U	0.217 U
			5900-INFLUENT-20210428	4/28/2021	0.764	0.472	1.59 U	0.793 U	0.159 U	0.102 U
	Sump 2	Manometer port	5900-SUMP-2-092619	9/26/2019	0.339 U	0.154	0.0793 U	0.0238 U	0.0357 U	0.217 U
	Sump 3	Manometer port	5900-SUMP-3-092619	9/26/2019	0.339 U	0.108	0.0793 U	0.0238 U	0.0357 U	0.217 U
	Sump 4	Manometer port	5900-SUMP-4-092619	9/26/2019	0.372	1.38	0.0793 U	0.0238 U	0.0357 U	0.217 U

Table 1
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5900 First Avenue South
Seattle, Washington

Notes:

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Green shading indicates detected analyte exceeds IPIMAL

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(b) IPIMALs are not applicable to soil gas results.

(c) Indoor air data is not corrected for outdoor air concentrations

U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

Acronyms/Abbreviations:

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µg/m³ = micrograms per cubic meter

N/A = not applicable, used where the constituent of concern will not affect the medium of potential concern due to an incomplete pathway or no pertinent standard exists

PCE = tetrachloroethene

SIM = selected ion monitoring

SSDS = subslab depressurization system

TCE = trichloroethene

VIRLS = vapor intrusion remediation levels