March 4, 2025

Washington State Department of Ecology
Headquarters Office
c/o Christopher Maurer
300 Desmond Drive Southeast
Lacey, Washington

RE: STATUS REPORT – JULY THROUGH DECEMBER 2024
NORMANDY PARK PCE SITE
17847, 17855, AND 17817 FIRST AVENUE SOUTH
NORMANDY PARK, WASHINGTON
FARALLON PN: 578-002

Dear Mr. Maurer:

Farallon Consulting, L.L.C. (Farallon) has prepared this status report to summarize the remediation activities performed at the Normandy Park PCE Site (Site) from July through December 2024. The Site is comprised of the properties at 17847 and 17855 First Avenue South (the Manhattan Village Shopping Center) and 17817 First Avenue South (the Harris Property) in Normandy Park, Washington (collectively referred to as the Property) (Figures 1 and 2). The Site is enrolled in the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) as Normandy Park PCE and has been assigned Facility Site ID No. 4181060 and Cleanup Site ID No. 3214.

ACTIVITIES CONDUCTED DURING THE REPORTING PERIOD

The following activities were conducted during the reporting period:

- September 2024 – Two permeable reactive barrier (PRB) performance monitoring wells, MW-21 and MW-22, were installed.
- September 2024 – Farallon performed the PRB performance quarterly groundwater monitoring event.
- October 2024 – Farallon performed a subslab soil vapor monitoring event for chlorinated volatile organic compounds (CVOCs).
- December 2024 – Farallon performed the PRB performance quarterly groundwater monitoring event, semi-annual monitoring for natural attenuation (MNA) of tetrachloroethene (PCE), and annual plume geometry.

CHANGES IN KEY PERSONNEL

No changes in key personnel have been made during the reporting period.

DEVIATIONS FROM APPROVED SCOPE OF WORK

Work at the Site is being performed in accordance with the Remedial Action Work Plan Addendum Number 1 dated June 29, 2021 prepared by PES[1] (Work Plan). The Work Plan was previously submitted to Ecology; in a September 28, 2021 response letter,[2] Ecology stated that completion of the scope identified in the Work Plan would likely result in a No Further Action determination. Deviations from the Work Plan to date are described below.

PRB INJECTIONS

As described in the PES Status Report dated August 4, 2023 for the Site, and Farallon's Status Report dated July 26, 2024[3] (previous Status Report), the design volumes of BOS 100 were not achieved in the previous PRB injection program conducted in June 2023 due to the presence of hard soil. Based on the information and recommendation presented in Farallon's previous Status Report, Ecology concurred that performance monitoring of the existing PRB could proceed without attempting additional injections.

SOIL VAPOR EXTRACTION SYSTEM OPERATION

The soil vapor extraction (SVE) system has been shut down since July 2023 and mothballed to allow subslab vapor rebound testing to be performed. Per the Work Plan, the SVE system should be restarted if PCE in subslab soil vapors beneath the building exceed the remediation screening level as described in Section 5.1.5, Soil Vapor Extraction System Monitoring.

A subslab soil vapor sample taken on October 17, 2024 at SVS-18 exceeded the remediation screening level detailed in the October 2024 Soil Vapor Sampling Results section below (Figure 7; Table 1). An additional subslab soil vapor sampling event is

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[1] PES. 2021. Remedial Work Plan Addendum No. 1, Manhattan Village Shopping Center and Harris Properties, VCP NW1873, Normandy Park, Washington. June 29.

[2] Ecology. 2021. Letter Regarding Opinion on Proposed Cleanup of the following Site: Normandy Park PCE. From Christopher Maurer. To Matt Dahl, PES. September 28.

[3] Farallon. 2024. *Status Report – July 2023 through July 2024, Normandy Park PCE Site, 17847, 17855, and 17817 First Avenue South, Normandy Park, Washington.* From Brianne Goulet and Eric Buer. To Christopher Mauer, Ecology. July 26.

recommended to confirm the PCE exceedance prior to restarting the SVE system, and if there is an exceedance at SVS-18, Farallon will evaluate possibly collecting indoor air samples to test whether there is a vapor intrusion risk to indoor air associated with the soil vapor conditions at SVS-18.

GROUNDWATER MONITORING

On December 16 through 18, 2024, Farallon conducted a combined quarterly, semi-annual, and annual groundwater sampling event as described in the Work Plan. The following deviations from the Work Plan were reported:

- Access restrictions prevented sampling at monitoring well MW-7;
- Insufficient water volume prevented sampling at DC-10A; and
- DC-17 could not be located and was not sampled.

PLANNED MONITORING WELL DECOMMISSIONING

Monitoring well MW-6 was previously identified for decommissioning in the Work Plan but has not yet been decommissioned due to access restrictions.

PROJECT SCHEDULE AND DEVIATIONS

A schedule for complete implementation of the cleanup action was not included in the Work Plan. Changes in anticipated schedule since previous communications with Ecology are:

- Completion of the PRB was originally scheduled for July 2023 but was postponed pending additional performance groundwater monitoring.
- Additional soil vapor sampling is scheduled for February 2025 to confirm previous results.

SAMPLING PERFORMED, RESULTS, AND DATA VALIDATION

Sampling performed between July 2024 and December 2024 and summary analytical results are presented below. Monitoring and remediation well construction details and updated summary analytical results are provided in Tables 1 through 4. Laboratory analytical reports for sampling performed in the last 6 months are provided in Attachment A. Boring logs containing well construction details for recently installed wells MW-21 and MW-22 are provided in Attachment B.

SEPTEMBER 2024 MONITORING WELL INSTALLATION AND SAMPLING

On September 19 and September 20, 2024, Farallon installed and developed two groundwater monitoring wells (MW-21 and MW-22) to evaluate PRB performance and evaluate whether PCE concentrations in groundwater have continued to decline to less than cleanup levels down-gradient of the PRB. On September 23, 2024, Farallon conducted a groundwater sampling event that included both the existing quarterly PRB performance monitoring wells and the newly installed monitoring wells to assess the current groundwater conditions at the Site.

Sampling

Groundwater samples were collected from five existing groundwater monitoring wells MW-9, MW-18, MW-20, DC-8, and DC-15, and from the two newly installed wells, MW-21 and MW-22. Access restrictions prevented sampling at monitoring well MW-7.

The groundwater samples were collected in laboratory-provided glassware using a bladder pump and dedicated tubing in accordance with Farallon's standard operating procedures for groundwater sampling. Groundwater samples were delivered to Friedman & Bruya, Inc. of Seattle, Washington under standard chain-of-custody protocols for analysis of CVOCs by U.S. Environmental Protection Agency (EPA) Method 8260D.

Results

PCE was detected at concentrations exceeding the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A cleanup level in samples at monitoring wells MW-18 and MW-21 located down-gradient of the PRB, and monitoring wells DC-8 and DC-15 located up-gradient of the PRB (Figure 4; Table 4). PCE was detected at concentrations slightly exceeding the MTCA Method A cleanup level of 5.0 micrograms per liter (µg/L) in groundwater samples collected at MW-18, reported at 6.0 µg/L, and at MW-21, reported at 7.1 µg/L. PCE was detected at concentrations slightly exceeding the MTCA Method A clean up level in groundwater samples collected from wells up-gradient of the PRB at DC-8, reported at 5.4 µg/L, and DC-15, reported at 6.0 µg/L. PCE was detected at concentrations less than MTCA Method A cleanup levels in samples taken from monitoring wells MW-20 and MW-22 located in the PRB area (Figure 4; Table 4).

Farallon prepared the attached time-series plots of PCE concentrations in groundwater at monitoring wells DC-8, DC-15, and MW-18 (Charts 1 through 3). PCE concentrations in

groundwater are slightly above the MTCA Method A cleanup level in groundwater samples collected from monitoring wells DC-8 and DC-15, located hydraulically up-gradient of the PRB. Both wells showed slight increases in PCE concentrations with declining water levels during the December 2024 sampling event. PCE has been reported non-detect at the laboratory practical quantitation limit (PQL) in the last three monitoring events conducted at monitoring well MW-20, which is located within the PRB. Although limited data is available, concentrations of PCE in groundwater at monitoring well MW-21 were reported slightly exceeding the MTCA Method A cleanup level at concentrations of 7.1 µg/L in September 2024 and 7.9 µg/L in December 2024. MW-21 is located hydraulically down-gradient of the PRB. PCE in groundwater at monitoring well MW-22 was detected at concentrations less than the MTCA Method A cleanup level in September 2024 (reported at 3.7 µg/L) and slightly exceeded the MTCA Method A cleanup level in December 2024 (reported at 6.5 µg/L). MW-22 is located within the PRB.

OCTOBER 2024 SOIL VAPOR SAMPLING

On October 17, 2024, Farallon performed a subslab soil vapor sampling event to assess soil vapor rebound at the Site following SVE system shutdown in July 2023. Samples were taken between 10:07 a.m. and 11:42 a.m. The barometric pressure at the start of sampling was 29.57 inches of mercury, and increased slightly to 29.63 inches of mercury at the end of sampling.

Sampling

Soil vapor samples were collected from three existing soil vapor pins, SVS-11 and SVS-18 in the Four Star Dry Cleaner Suite and Kintsugi Physical Therapy Suite of the Manhattan Village Shopping Center, and SVS-13 in the Archie's Mexican Restaurant on the Harris Property (Figure 7).

The subslab soil vapor samples were collected using a certified 30-minute flow-controller and contained in 1-liter certified clean Summa canisters. Soil vapor samples were collected in accordance with Farallon's standard operating procedures for subslab soil vapor sampling. Soil vapor samples were delivered to Friedman & Bruya, Inc. of Seattle, Washington under standard chain-of-custody protocols for analysis of volatile organic compounds by EPA Method TO-15.

Results

PCE was detected in the samples at concentrations ranging from 1,200 micrograms per cubic meter (µg/m^3) at SVS-11 to 1,600 µg/m^3 at SVS-18. The analytical result for the sample collected from sampling point SVS-18 exceeds the MTCA Method B subslab soil gas screening level for commercial workers of 1,500 µg/m^3. The remaining analytes were reported non-detect at the laboratory PQL or at concentrations less than applicable MTCA Method B screening levels for subslab soil gas (Table 1; Figure 7).

Recommendation

Subslab soil vapor analytical results indicate that concentrations of PCE in soil vapor remain less than the applicable screening levels at SVS-11 and SVS-13. The analytical results for SVS-18, collected after a shutdown period of approximately 15 months, identified a slight exceedance of the applicable screening level (Table 1; Figure 7). An additional soil vapor monitoring event is recommended to confirm whether the result was anomalous.

If analytical data from the additional soil vapor sampling event indicates that concentrations of PCE exceed the MTCA Method B subslab soil gas screening level for commercial workers, a follow-up indoor air monitoring event will be recommended. The indoor air monitoring event scope of work would include sampling at soil vapor pins SVS-11, SVS-13, and SVS-18, the collection of indoor air samples proximate to the soil vapor pin locations, and the collection of an ambient air sample.

DECEMBER 2024 GROUNDWATER SAMPLING

On December 16 through 18, 2024, Farallon conducted a combined quarterly, semi-annual, and annual groundwater sampling event as described in the Work Plan.

Sampling

Groundwater samples were collected from 14 existing groundwater monitoring wells and two newly-installed monitoring wells, MW-21 and MW-22. As noted above, samples were not collected from monitoring wells MW-7, DC-10A, and DC-17. The performance monitoring wells that were sampled and their respective monitoring events are outlined below.

- Quarterly PRB performance monitoring: MW-9, MW-18, MW-20, MW-21, MW-22, DC-8 and DC-15;

- Semi-annual natural attenuation monitoring: MW-17, DC-7, KMW-3, KMW-7, and KMW-8; and
- Annual plume geometry: MW-4, MW-10, MW-11, DC-4.

The groundwater samples were collected in laboratory-provided glassware using a bladder pump and dedicated tubing in accordance with Farallon's standard operating procedures for groundwater sampling. Groundwater samples were delivered to Friedman & Bruya, Inc. of Seattle, Washington under standard chain-of-custody protocols for analysis of CVOCs by EPA Method 8260D.

Results

PCE was detected at concentrations exceeding the MTCA Method A cleanup level in groundwater samples collected from monitoring wells MW-18 and MW-21 located down-gradient of the PRB; MW-22 located in the central portion of the PRB; and DC-8 and DC-15 located up-gradient of the PRB (Figure 4; Table 4). PCE was detected at concentrations less than MTCA Method A cleanup levels in the sample collected from monitoring well MW-20 located in the western portion of the PRB area.

PCE was detected at concentrations slightly exceeding the MTCA Method A cleanup level of 5.0 µg/L in the following locations:

- MW-11 at 5.1 µg/L;
- MW-18 at 7.0 µg/L;
- MW-21 at 7.9 µg/L;
- MW-22 at 6.5 µg/L;
- DC-7 at 8.2 µg/L;
- DC-8 at 7.4 µg/L; and
- DC-15 at 6.7 µg/L.

The reported concentrations from DC-7 since 2018 indicate that the PCE in the source area continues to naturally attenuate over time. The reported value for monitoring well MW-11 slightly exceeds the MTCA Method A cleanup level and is located on the southern portion of the Harris Property approximately 220 feet from the north property boundary (Figure 4). PCE

was reported non-detect at the laboratory PQL or detected at concentrations less than the MTCA Method A cleanup level in samples collected from all other wells.

Recommendation

The PCE concentrations reported at MW-22, located within the PRB, are less than the concentrations up-gradient of the PRB; however, the December 2024 monitoring event result (6.5 µg/L) slightly exceeded the MTCA Method A cleanup level of 5 µg/L. The PCE concentrations in groundwater at down-gradient wells MW-18 and MW-21 still slightly exceed the cleanup level and indicate that the overall treatment efficacy of the PRB has been limited.

However, the monitoring results also indicate that PCE concentrations up-gradient of the PRB (at DC-8 and DC-15) are continuing to attenuate over time. Groundwater samples collected from both DC-8 and DC-15 during the June 2024 monitoring event were less than the cleanup level. The highest reported PCE concentration in 2024 was 7.4 µg/L at DC-8 during the December monitoring event; the result exceeded the cleanup level by only 2.40 µg/L.

Although BOS injections were previously recommended to complete the PRB design specified in the Work Plan, the current performance monitoring data and previous challenges associated with the injection program indicate the injections may provide limited, if any, additional treatment; particularly during low water periods. As described previously, seven locations rejected the injections completely and had immediate surface returns and an additional six locations received less than 95 pounds of BOS 100. A total of 16 locations received at least 95 pounds of BOS 100, although Work Plan design criteria called for 104 pounds per location. A total of 15 locations remain to be completed in the original design criteria. Estimated subcontractor, observation, and injection coordination costs to complete the remaining injection scope are estimated to be approximately $300,000.

Mann-Kendall analysis of monitoring wells DC-8, DC-15, and MW-18 indicate declining trends in PCE concentration at all three locations (Charts 4 through 6). 2024 monitoring data indicate that both DC-8 and DC-15 are seasonally in compliance with MTCA Method A groundwater cleanup levels. Further attenuation of PCE concentrations over time is expected to expand the period of compliance in the future. There is currently no completed exposure pathway for the groundwater that exceeds MTCA cleanup levels and the depth to groundwater is approximately 38 to 42 feet below ground surface.

Due to the high cost of additional injections ($20,000 per location), the low potential for increased treatment efficacy, and overall minimal risk posed by the residual area of groundwater contamination; Farallon recommends two additional quarterly groundwater monitoring events to confirm trends at monitoring wells MW-21 and MW-22. If the groundwater monitoring results indicate that PCE concentrations migrating off of the Harris Property are continuing to decrease over time and should be less than the MTCA Method A cleanup level within a reasonable timeframe, Farallon will request that Ecology issue a property-specific No Further Action opinion for the Harris Property with an environmental covenant for groundwater and provisions for long-term compliance monitoring.

If the upcoming soil vapor and potential indoor air sampling events indicate acceptable indoor air risks associated with the remaining contamination, then Farallon would request a No Further Action opinion for the Site rather than just the Harris Property. The requested No Further Action opinion would still require an environmental covenant and provisions for long-term compliance monitoring until cleanup levels are attained.

PLANNED OR ANTICIPATED WORK FOR NEXT REPORTING PERIOD

The following work is planned for January through July 2025.

SUBSLAB SOIL VAPOR SAMPLING

An additional subslab soil vapor sampling event is scheduled for March 2025 at SVS-11 and SVS-18 in the Four Star Dry Cleaner Suite and Kintsugi Physical Therapy Suite of the Manhattan Village Shopping Center; and SVS-13 in the Archie's Mexican Restaurant on the Harris Property.

GROUNDWATER MONITORING

- Performance groundwater monitoring is scheduled for March and June 2025.
- Semi-annual monitoring for MNA is scheduled for June 2025.

PUBLIC OR REGULATORY COMMUNICATION

A semi-annual status report will be prepared to present the results of the January through June 2025 sampling events.

CLOSING

Please contact either of the undersigned at (425) 295-0800 if you have questions or need additional information.

Sincerely,

Farallon Consulting, L.L.C.

John Kim, G.I.T.
Staff Geologist

Eric F. Buer, L.G., L.H.G.
Principal Hydrogeologist

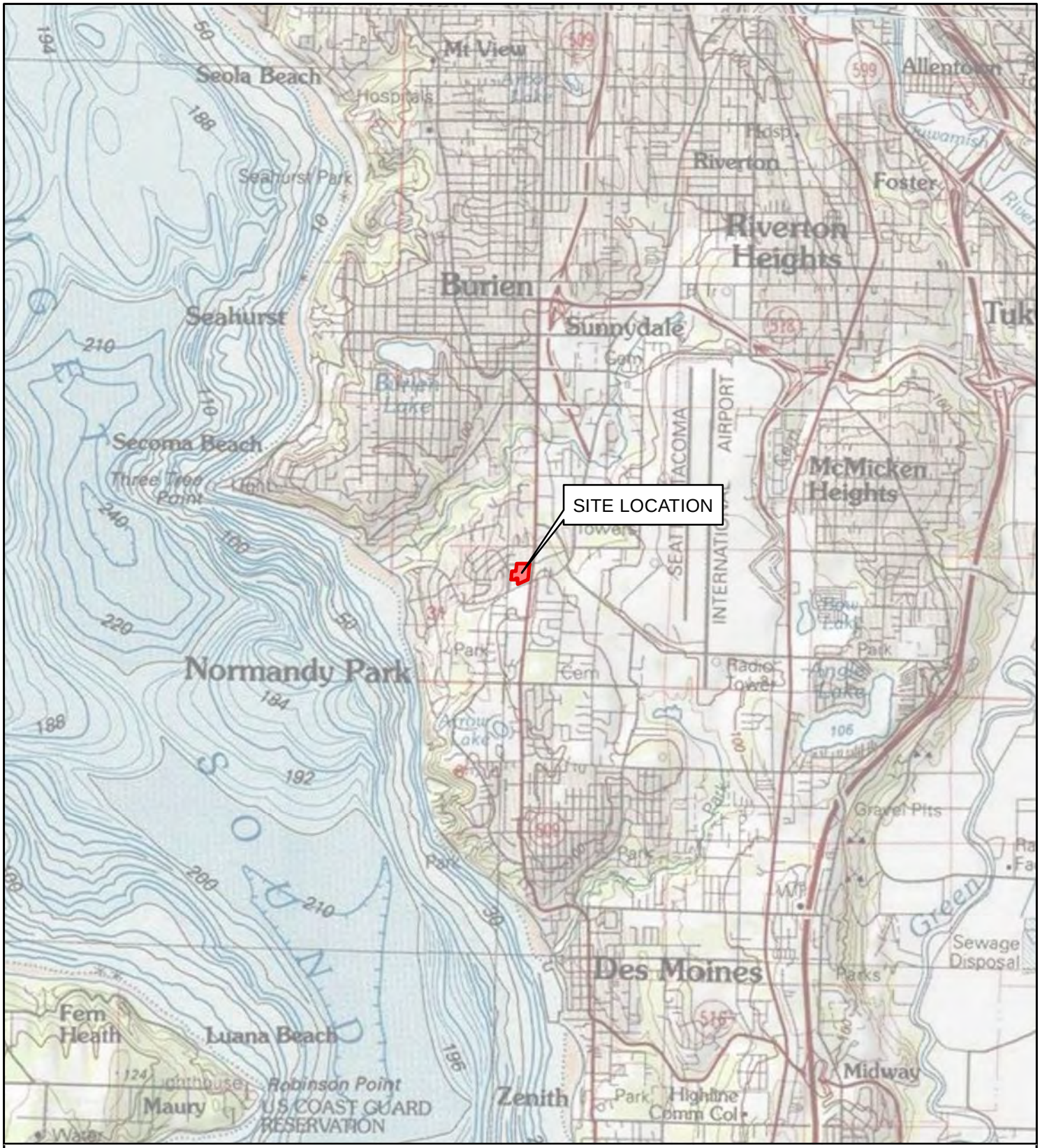
Attachments: Figure 1, *Site Vicinity Map*
Figure 2, *Site Plan Showing Existing and Decommissioned Wells*
Figure 3, *Remediation Wells and Vapor Probe Locations*
Figure 4, *Groundwater Analytical Results*
Figure 5, *Groundwater Elevation Contours September 2024*
Figure 6, *Groundwater Elevation Contours December 2024*
Figure 7, *Soil Gas Analytical Results*
Figure 8, *PRB Injection Layout and Well Locations*
Table 1, *Soil Gas Analytical Results for Volatile Organic Compounds*
Table 2, *Well Completion and Boring Details*
Table 3, *Historical Summary of Groundwater Elevations*
Table 4, *Historical Summary of Groundwater Analytical Results*
Chart 1, *DC-8 Concentrations of PCE in Groundwater*
Chart 2, *DC-15 Concentrations of PCE in Groundwater*
Chart 3, *MW-18 Concentrations of PCE in Groundwater*
Chart 4, DC-8 *Mann-Kendall Trend Test for PCE*
Chart 5, DC-15 *Mann-Kendall Trend Test for PCE*
Chart 6, *MW-18 Mann-Kendall Trend Test for PCE*
Attachment A, Laboratory Analytical Reports
Attachment B, MW-21 and MW-22 Boring Logs
Attachment C, SeaTac, WA Weather History

cc: Ken Bloch Keller Rohrback, L.L.P.
Maureen Mitchell, Fox Rothschild L.L.P.
Mike Staton, Landau Associates Inc.

FIGURES

STATUS REPORT – JULY 2024 THROUGH DECEMBER 2024
Manhattan Village Shopping Center and Harris Properties
17847, 17855, and 17817 First Avenue South
Normandy Park, Washington

Farallon PN: 578-002



REFERENCE: 7.5 MINUTE USGS QUADRANGLE DES MOINES, WASHINGTON, DATED 2013

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FIGURE 1

SITE VICINITY MAP
MANHATTAN VILLAGE/HARRIS PROPERTIES
17817, 17825, AND 17835 1st AVENUE SOUTH
NORMANDY PARK, WASHINGTON

FARALLON PN: 578-002

Drawn By: lmurock Checked By: BG Date: 5/22/2024 Disc Reference:
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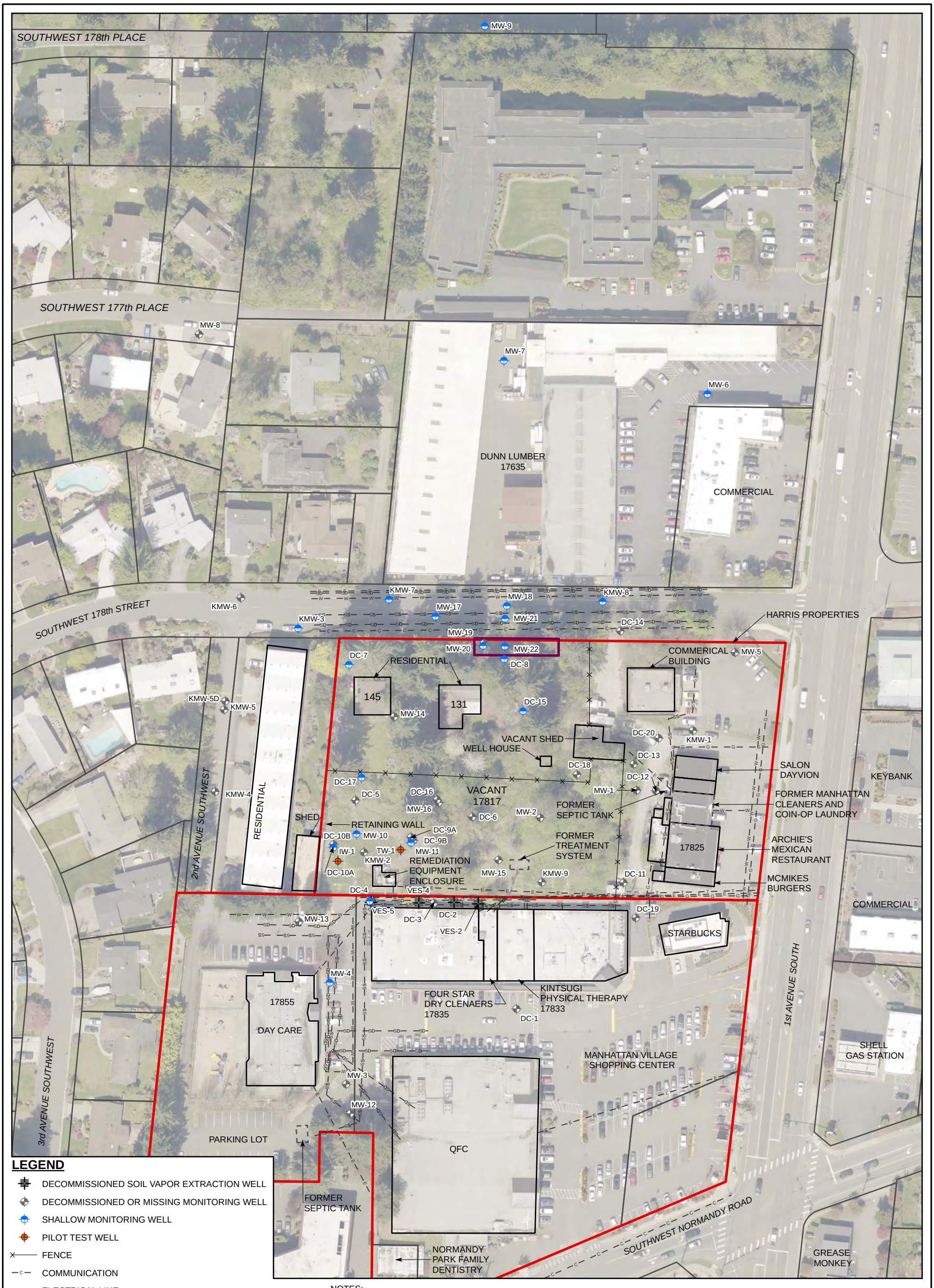

LEGEND

- DECOMMISSIONED SOIL VAPOR EXTRACTION WELL
- DECOMMISSIONED OR MISSING MONITORING WELL
- SHALLOW MONITORING WELL
- PILOT TEST WELL
- FENCE
- COMMUNICATION
- ELECTRICAL LINE
- GAS
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE LINE
- WATER LINE
- FORMER SITE FEATURE
- SITE FEATURE
- INJECTION AREA
- SITE BOUNDARY
- KING COUNTY PARCEL BOUNDARY

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NOTES:
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FIGURE 2

SITE PLAN SHOWING
EXISTING AND DECOMMISSIONED WELLS
MANHATTAN VILLAGE/HARRIS PROPERTIES
17817, 17825, AND 17835 1st AVENUE SOUTH
NORMANDY PARK, WASHINGTON

FARALLON PN: 578-002

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DUNN LUMBER
17635

COMMERCIAL

SOUTHWEST 178th STREET

HARRIS PROPERTIES

RESIDENTIAL

145

131

COMMERICAL
BUILDING

SALON
DAYVION

VACANT SHED

WELL HOUSE

VACANT
17817

FORMER MANHATTAN
CLEANERS AND
COIN-OP LAUNDRY

FORMER
SEPTIC TANK

SVE-24
SVE-10
SVE-23
SVS-14
SVS-12
SVE-25
SVS-13
SVS-15
SVS-16

RESIDENTIAL

2nd AVENUE SOUTHWEST

SHED

RETAINING WALL

AS-1
SVE-18
AS-30
AS-31
AS-2
AS-29
AS-7
AS-28
SVE-19
AS-3
AS-6
AS-4
SVE-17
AS-5
AS-27
SVE-3
SVE-4
AS-8
SVE-16
AS-9
AS-26
VES-7
AS-10
SVE-15
SVE-2
AS-25
AS-24
AS-11
SVE-14
AS-12
SVE-1
AS-23
AS-13
AS-22
SVE-13A
SVE-13B
AS-14
AS-21
AS-15
AS-20
SVE-12B
SVE-12A
AS-16
AS-19
SVE-11B
SVE-11A
AS-17
AS-18

REMEDIATION
EQUIPMENT
ENCLOSURE

FORMER
TREATMENT
SYSTEM

SVE-22
SVE-8
SVE-9
SVE-5
SVE-7
SVE-6
SVE-21
SVS-17
VES-2A/-2B
SVS-11
SVS-18
SVE-20
SVS-10

17825

ARCHIE'S
MEXICAN
RESTAURANT

MCMIKES
BURGERS

STARBUCKS

1st AVENUE SOUTH

17855

DAY CARE

FOUR STAR
DRY CLENAERS
17835

KINTSUGI
PHYSICAL THERAPY
17833

MANHATTAN VILLAGE
SHOPPING CENTER

PARKING LOT

FORMER
SEPTIC TANK

QFC

NORMANDY
PARK FAMILY
DENTISTRY

SOUTHWEST NORMANDY ROAD

GREASE
MONKEY

CLASSIC
BARBER
SHOP

RESIDENTIAL

RESIDENTIAL

JOHN KNOX
PRESBYTERIAN CHURCH

LEGEND

- DECOMMISSIONED SOIL GAS PROBE
- DECOMMISSIONED SOIL VAPOR PROBE
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SOIL GAS PROBE
- SUBSLAB SOIL VAPOR PROBE
- FENCE
- COMMUNICATION
- ELECTRICAL LINE
- GAS
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE LINE
- WATER LINE
- INJECTION AREA
- FORMER SITE FEATURE
- SITE FEATURE
- SITE BOUNDARY
- KING COUNTY PARCEL BOUNDARY

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FIGURE 3

REMEDIATION WELLS AND
VAPOR PROBE LOCATIONS
MANHATTAN VILLAGE/HARRIS PROPERTIES
17817, 17825, AND 17835 1st AVENUE SOUTH
NORMANDY PARK, WASHINGTON

FARALLON PN: 578-002

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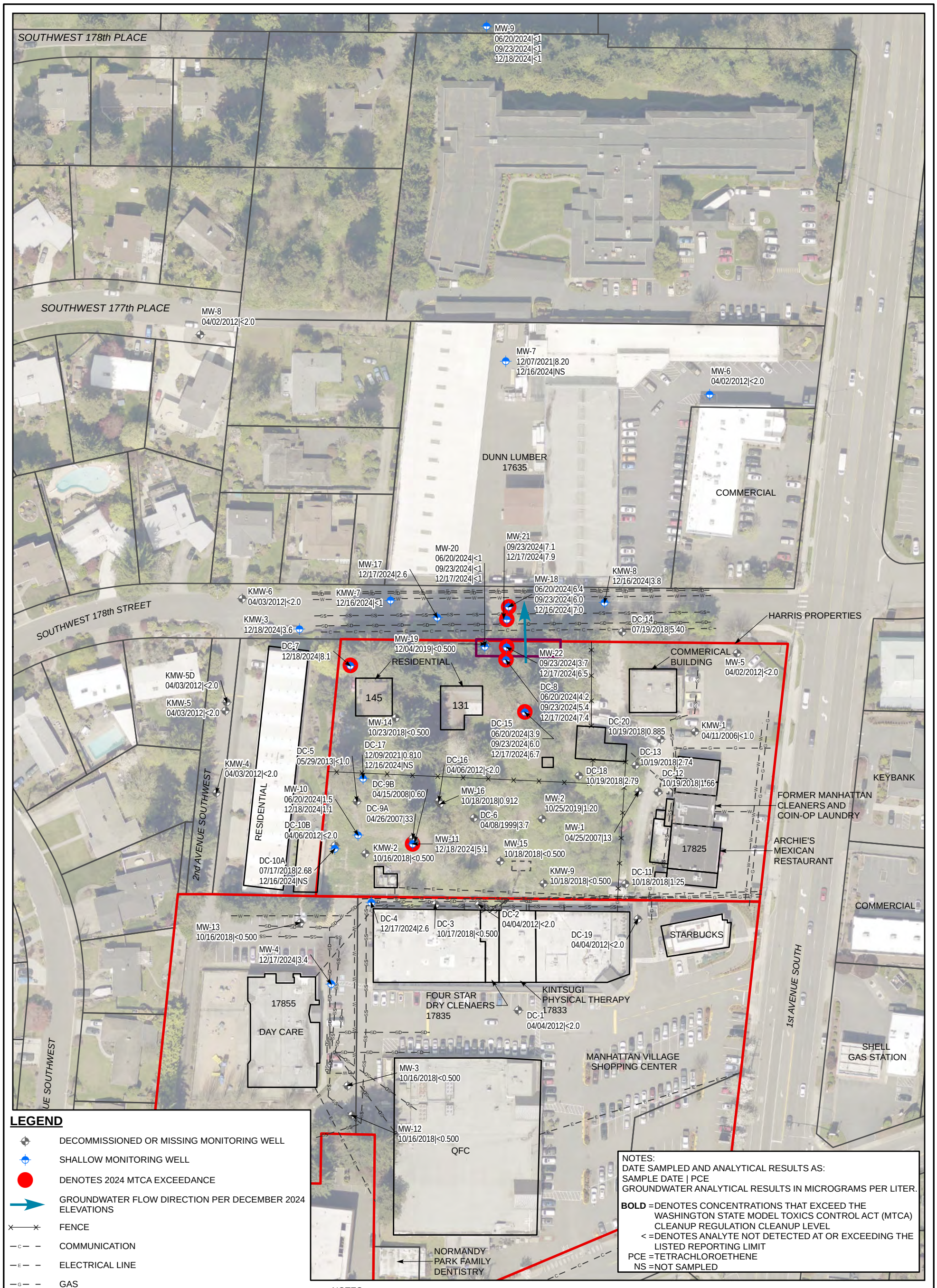

LEGEND

- DECOMMISSIONED OR MISSING MONITORING WELL
- SHALLOW MONITORING WELL
- DENOTES 2024 MTCA EXCEEDANCE
- GROUNDWATER FLOW DIRECTION PER DECEMBER 2024 ELEVATIONS
- FENCE
- COMMUNICATION
- ELECTRICAL LINE
- GAS
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE LINE
- WATER LINE
- FORMER SITE FEATURE
- SITE FEATURE
- INJECTION AREA
- SITE BOUNDARY
- KING COUNTY PARCEL BOUNDARY

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SCALE IN FEET

NOTES:
DATE SAMPLED AND ANALYTICAL RESULTS AS:
SAMPLE DATE | PCE
GROUNDWATER ANALYTICAL RESULTS IN MICROGRAMS PER LITER.

BOLD =DENOTES CONCENTRATIONS THAT EXCEED THE WASHINGTON STATE MODEL TOXICS CONTROL ACT (MTCA) CLEANUP REGULATION CLEANUP LEVEL
< =DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT
PCE =TETRACHLOROETHENE
NS =NOT SAMPLED

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FIGURE 4

GROUNDWATER ANALYTICAL RESULTS
MANHATTAN VILLAGE/HARRIS PROPERTIES
17817, 17825, AND 17835 1st AVENUE SOUTH
NORMANDY PARK, WASHINGTON

FARALLON PN: 578-002

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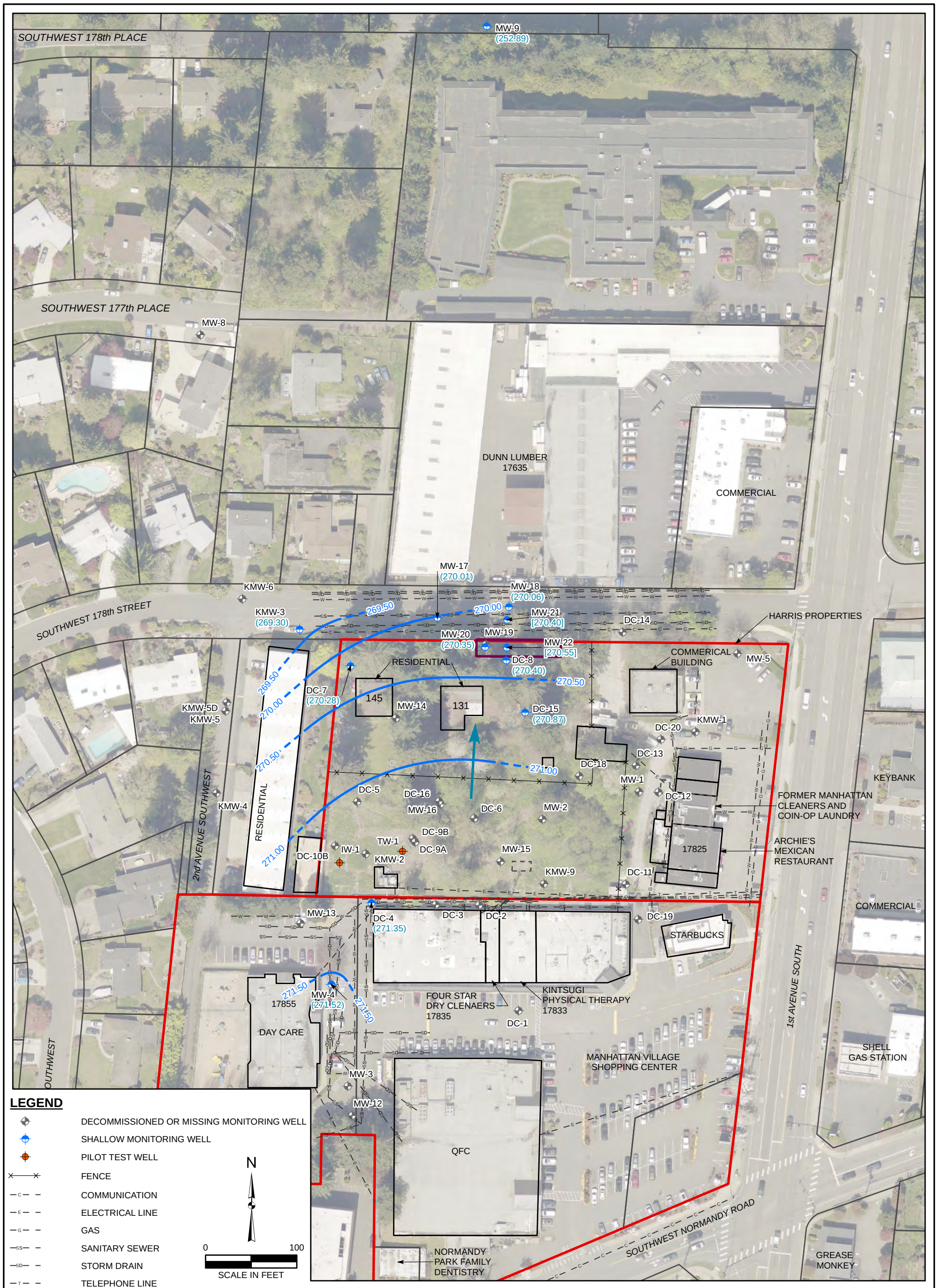

LEGEND

- DECOMMISSIONED OR MISSING MONITORING WELL
- SHALLOW MONITORING WELL
- PILOT TEST WELL
- FENCE
- COMMUNICATION
- ELECTRICAL LINE
- GAS
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE LINE
- WATER LINE
- FORMER SITE FEATURE
- SITE FEATURE
- INJECTION AREA
- SITE BOUNDARY
- KING COUNTY PARCEL BOUNDARY
- (270.87) GROUNDWATER ELEVATION IN FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988
- [270.00] ELEVATION NOT USED IN CONTOURING
- 270.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

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

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FIGURE 5

GROUNDWATER ELEVATION CONTOURS
SEPTEMBER 2024
MANHATTAN VILLAGE/HARRIS PROPERTIES
17817, 17825, AND 17835 1st AVENUE SOUTH
NORMANDY PARK, WASHINGTON

FARALLON PN: 578-002

Drawn By: aguse | Checked By: JK | Date: 2/10/2025 | Disc Reference:

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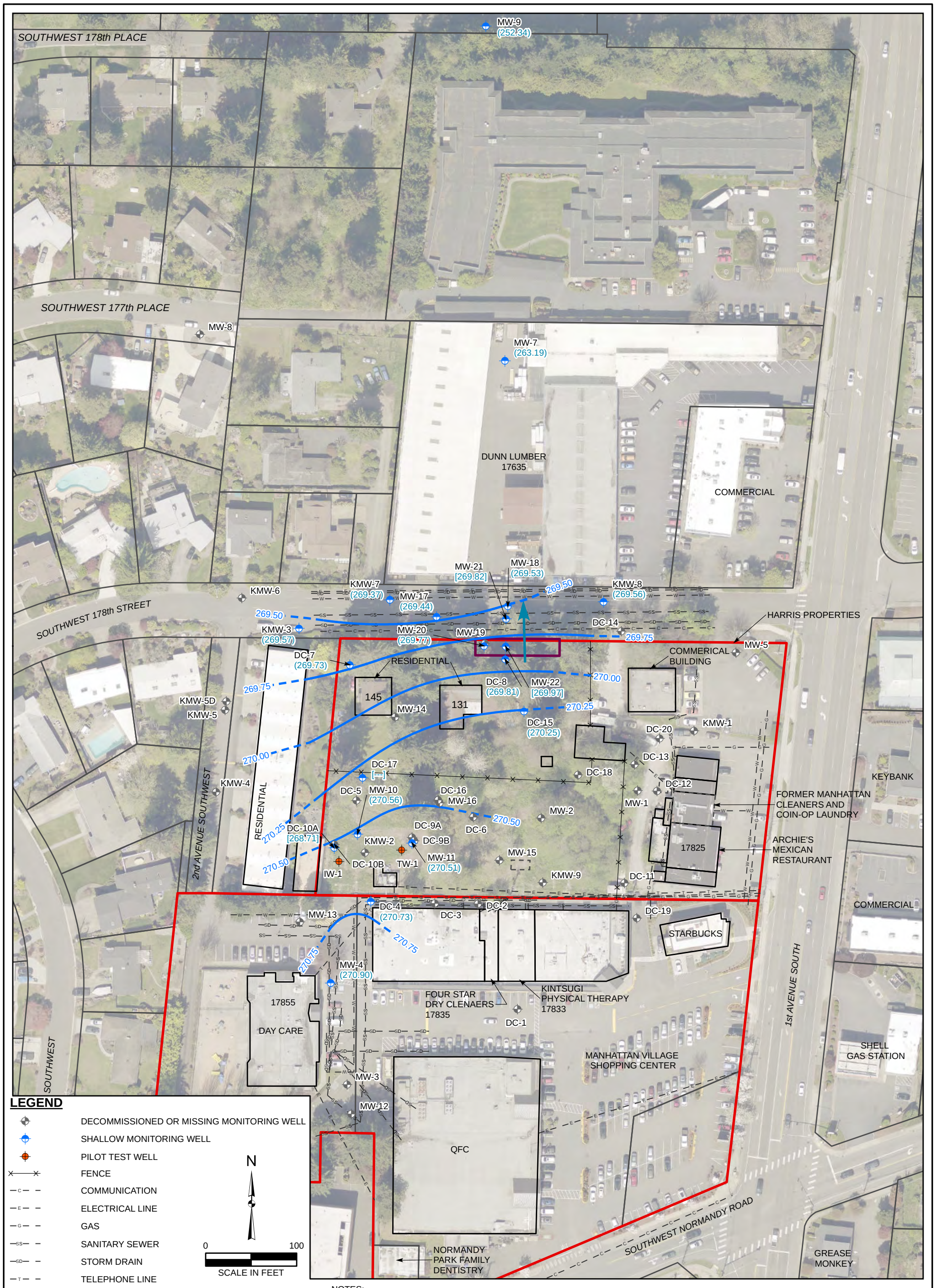

LEGEND

- DECOMMISSIONED OR MISSING MONITORING WELL
- SHALLOW MONITORING WELL
- PILOT TEST WELL
- FENCE
- COMMUNICATION
- ELECTRICAL LINE
- GAS
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE LINE
- WATER LINE
- FORMER SITE FEATURE
- SITE FEATURE
- INJECTION AREA
- SITE BOUNDARY
- KING COUNTY PARCEL BOUNDARY
- (270.90) GROUNDWATER ELEVATION IN FEET RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988
- [268.71] ELEVATION NOT USED IN CONTOURING
- [---] WELL NOT LOCATED
- 270.75 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

N

0 100

SCALE IN FEET

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

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FIGURE 6

GROUNDWATER ELEVATION CONTOURS
DECEMBER 2024
MANHATTAN VILLAGE/HARRIS PROPERTIES
17817, 17825, AND 17835 1st AVENUE SOUTH
NORMANDY PARK, WASHINGTON

FARALLON PN: 578-002

Drawn By: aguse | Checked By: JK | Date: 2/10/2025 | Disc Reference:

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DUNN LUMBER
17635

COMMERCIAL

SOUTHWEST 178th STREET

HARRIS PROPERTIES

RESIDENTIAL

145

131

COMMERICAL
BUILDING

VACANT SHED

SALON
DAYVION

WELL HOUSE

VACANT
17817

FORMER MANHATTAN
CLEANERS AND
COIN-OP LAUNDRY

FORMER
SEPTIC TANK

RETAINING WALL

SHED

2nd AVENUE SOUTHWEST

REMEDIATION
EQUIPMENT
ENCLOSURE

FORMER
TREATMENT
SYSTEM

MCMIKES
BURGERS

SVS-13	DATE	PCE	1,1,1-TCA
	4/25/2024	700	<4.7
	10/17/2024	1,300	<4.5

STARBUCKS

SVS-18	DATE	PCE	1,1,1-TCA
	4/25/2024	920	<4.6
	10/17/2024	**1,600**	<4.5

SVS-11	DATE	PCE	1,1,1-TCA
	4/25/2024	540	7.0
	10/17/2024	1,200	11

17855

DAY CARE

FOUR STAR
DRY CLENAERS
17835

KINTSUGI
PHYSICAL THERAPY
17833

1st AVENUE SOUTH

MANHATTAN VILLAGE
SHOPPING CENTER

PARKING LOT

FORMER
SEPTIC TANK

QFC

NORMANDY
PARK FAMILY
DENTISTRY

SOUTHWEST NORMANDY ROAD

GREASE
MONKEY

CLASSIC
BARBER
SHOP

RESIDENTIAL

RESIDENTIAL

JOHN KNOX
PRESBYTERIAN CHURCH

LEGEND

- DECOMMISSIONED SOIL GAS PROBE
- DECOMMISSIONED SOIL VAPOR PROBE
- AIR SPARGE WELL
- SOIL VAPOR EXTRACTION WELL
- SOIL GAS PROBE
- SUBSLAB SOIL VAPOR PROBE
- FENCE
- COMMUNICATION
- ELECTRICAL LINE
- GAS
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE LINE
- WATER LINE
- INJECTION AREA
- FORMER SITE FEATURE
- SITE FEATURE
- SITE BOUNDARY
- KING COUNTY PARCEL BOUNDARY

N

0 80

SCALE IN FEET

NOTES:
SOIL GAS ANALYTICAL RESULTS IN MICROGRAMS PER CUBIC METER.
BOLD = DENOTES CONCENTRATIONS THAT EXCEED APPLICABLE CLEANUP LEVELS
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE LISTED REPORTING LIMIT
PCE = TETRACHLOROETHENE
1,1,1-TCA = 1,1,1-TRICHLOROETHANE
PRB = PERMEABLE REACTIVE BARRIER

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

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FIGURE 7

SOIL GAS ANALYTICAL RESULTS
MANHATTAN VILLAGE/HARRIS PROPERTIES
17817, 17825, AND 17835 1st AVENUE SOUTH
NORMANDY PARK, WASHINGTON

FARALLON PN: 578-002

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LEGEND

- CONTIGENT PROPOSED MONITORING WELL LOCATION
- DECOMMISSIONED MONITORING WELL
- SHALLOW MONITORING WELL
- NOT
- RECEIVED LESS THAN TARGET DOSAGE (LESS THAN 95 LBS)
- RECEIVED TARGET DOSAGE (95 LBS OR GREATER)
- REFUSAL
- COMMUNICATION
- ELECTRICAL LINE
- GAS
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE LINE
- WATER LINE
- INJECTION
- SITE BOUNDARY

PRB = PERMEABLE REACTIVE BARRIER

N

0 10

SCALE IN FEET

FIGURE 8

PRB INJECTION LAYOUT AND WELL LOCATIONS
MANHATTAN VILLAGE SHOPPING CENTER
AND HARRIS PROPERTIES
17847, 17855 &17817 1st AVENUE SOUTH
NORMANDY PARK, WASHINGTON

FARALLON PN: 578-002

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TABLES AND TIME SERIES PLOTS AND MANN-KENDALL CHARTS

STATUS REPORT – JULY 2024 THROUGH DECEMBER 2024
Manhattan Village Shopping Center and Harris Properties
17847, 17855, and 17817 First Avenue South
Normandy Park, Washington

Farallon PN: 578-002

Table 1
Soil Gas Analytical Results for Volatile Organic Compounds
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Sample Location	Sampled By	Sample Date	Sample Identification	Sample Depth (feet)[1]	Analytical Results (micrograms per cubic meter)[2]					
					PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride	1,1,1-Trichloroethane
SVS-10	PES	3/11/2019	SVS-10	1.3	105	2.52	< 1.59	< 1.59	< 1.02	---
	PES	6/3/2019	SVS-10	1.3	485	< 2.14	< 1.59	< 1.59	< 1.02	---
SVS-11	PES	3/11/2019	SVS-11	1.3	108	< 2.14	< 1.59	< 1.59	< 1.02	---
	PES	6/3/2019	SVS-11	1.3	537	5.64	15.0	< 1.59	< 1.02	---
	Farallon	4/25/2024	SVS-11-042524	1.3	540	< 0.89	< 3.3	< 3.3	< 2.1	7.0
	Farallon	10/17/2024	SVS-11-101724	1.3	1,200 E	< 0.83	< 3.1	< 3.1	< 2	11
SVS-12	PES	6/3/2019	SVS-12	1.3	367	< 2.14	< 1.59	< 1.59	< 1.02	---
SVS-13	PES	3/11/2019	SVS-13	1.2	611	< 2.14	< 1.59	< 1.59	< 1.02	---
	PES	6/3/2019	SVS-13	1.2	1,500	< 2.14	< 1.59	< 1.59	< 1.02	---
	Farallon	4/25/2024	SVS-13-042524	1.2	700	< 0.92	< 3.4	< 3.4	< 2.2	< 4.7
	Farallon	10/17/2024	SVS-13-101724	1.2	1,300 E	< 0.88	< 3.3	< 3.3	< 2.1	< 4.5
SVS-14	PES	3/11/2019	SVS-14	1.3	9.93	< 2.14	< 1.59	< 1.59	< 1.02	---
	PES	6/3/2019	SVS-14	1.3	168	< 2.14	< 1.59	< 1.59	< 1.02	---
SVS-15	PES	3/11/2019	SVS-15	1.3	50.5	< 2.14	< 1.59	< 1.59	< 1.02	---
	PES	6/3/2019	SVS-15	1.3	115	< 2.14	< 1.59	< 1.59	< 1.02	---
SVS-16	PES	3/11/2019	SVS-16	1.3	369	< 2.14	< 1.59	< 1.59	< 1.02	---
SVS-17	PES	3/11/2019	SVS-17	4.5-5.0	**26,900**	**319**	1,230	43.4	**44.7**	---
	PES	6/3/2019	SVS-17	4.5-5.0	**104,000**	**3,290**	**8,600**	519	21.4	---
SVS-18	Farallon	4/25/2024	SVS-18-042524	4.5-5.0	920 E	< 0.91	< 3.4	< 3.4	< 2.2	< 4.6
	Farallon	10/17/2024	SVS-18-101724	4.5-5.0	**1,600 E**	< 0.88	< 3.3	< 3.3	< 2.1	< 4.5
Method B Subslab Soil Gas Screening Level for a Commercial Worker[3]					**1,500**	**95**	**5,200**	**5,200**	**44**	**650,000**
Non-Residential Short-term VI Screening Level for Subslab Soil Gas[4]					**NE**	**250**	**NE**	**NE**	**NE**	**NE**

NOTES:

Results in **bold** and highlighted yellow denote concentrations exceeding one or more screening levels.
< denotes analyte not detected at or exceeding the reporting limit listed.
--- denotes sample not analyzed or information unknown.
[1]Depth in feet below surface.
[2]Analyzed by U.S. Environmental Protection Agency Method TO-15. Only detected and select analytes shown in table; see lab report for full list of analytes.
[3]Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Standard Method B Values for Subslab Soil Gas Screening Level and Screening Level for Commercial Worker, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC
[4]Table A-4 from *Guidance for Evaluating Vapor Intrusion in Washington State, Investigation and Remedial Action* , Washington State Department of Ecology, Publication No. 09-09-047, Final: March 2022.

E = result exceeded calibration range of instrument and is an estimate
Farallon = Farallon Consulting, L.L.C.
NE = not established
PES = PES Environmental, Inc.

Table 2
Well Completion and Boring Details
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Well Location	Ecology Well Tag Number	Date		Drilling Method[1]	Location[2] (feet NAD 83/91)		Elevation[3] (feet NAVD88)			Survey Date	Monument Type	Boring Depth[6] (feet)	Well Diameter[7] (inches)	Screen Depth (ft bgs)		Slot Size (inch)	Filter Pack (ft bgs)	Seal (ft bgs)
		Installed	Decom.		Northing	Easting	Monitoring Point[4]	Surface Casing Rim	Ground Surface[5]					Below Ground Surface	Below Top of Casing			
Shallow Monitoring Wells																		
MW-4	BAB 481	4/8/08	--	HSA	164,968.5	1,268,493.6	310.47	311.03	311.02	PES, 08/2015	Flush	44	2	34-44	33.45-43.45	0.010	32-44	0-32
MW-6	BAB 482	4/9/08	--	HSA	165,615.5	1,268,908.5	304.14	304.71	304.68	PES, 08/2015	Flush	45	2	35-45	34.46-44.46	0.010	33-45	0-35
MW-7	BAB 483	4/9/08	--	HSA	165,652.2	1,268,684.8	302.64	303.18	303.17	PES, 08/2015	Flush	45	2	35-45	34.47-44.47	0.010	33-45	0-35
MW-9	APE 296	8/18/08	--	HSA	166,019.8	1,268,663.9	284.97	285.35	285.37	PES, 08/2015	Flush	55	2	32-42	31.6-41.6	0.010	30-42	0-30
MW-10	BHB 003	2/3/11	--	HSA	165,132.3	1,268,522.8	306.71	307.20	307.19	PES, 08/2015	Flush	42	2	32-42	31.52-41.52	0.010	30-42	0-30
MW-11	BHB 004	2/3/11	--	HSA	165,122.2	1,268,582.9	307.62	308.13	308.06	PES, 08/2015	Flush	42	2	32-42	31.56-41.56	0.010	30-42	0-30
MW-17	BLI 196	3/1/19	--	HSA	165,371.0	1,268,609.7	303.01	303.56	303.60	PES, 10/2019	Flush	39.5	2	28.2-38.2	27.61-37.61	0.010	26-39.5	0-26
MW-18	BLI 195	2/28/19	--	HSA	165,386.9	1,268,688.3	305.26	305.74	305.70	PES, 10/2019	Flush	41.5	2	30.3-40.3	29.86-39.86	0.010	27.5-41.5	0-27.5
MW-20	BLK 428	10/17/19	--	HSA	165,343.4	1,268,662.1	305.51	305.86	306.10	PES, 10/2019	Flush	46	2	30.0-45.0	29.41-44.41	0.010	28-46	0-28
MW-21	BPW 734	9/19/24	--	HSA	165,370.0	1,268,682.7	305.58	305.85	--	Apex, 12/16/2024	Flush	42.5	2	26.5-41.5	26.24-41.24	0.010	25-41.5	3-25
MW-22	BPW 735	9/20/24	--	HSA	165,337.9	1,268,688.7	306.40	306.87	--	Apex, 12/16/2024	Flush	42.5	2	27.5-42.5	27.02-42.02	0.010	25-41.5	3-25
DC-4	AEE 926	10/13/98	--	HSA	165,058.1	1,268,537.4	312.35	312.96	312.99	PES, 08/2015	Flush	49	2	44-49	43.36-48.36	0.020	41-49	0-41
DC-6 [9]	--	1/22/99	Missing	HSA	--	--	308.46	--	--	SCS, 1999	Flush	45	2	40-45	--	0.020	37-45	0-37
DC-7	--	1/18/99	--	HSA	165,318.1	1,268,514.4	302.61	303.30	303.26	PES, 08/2015	Flush	40	2	35-40	34.35-39.35	0.020	33-40	0-33
DC-8	--	1/18/99	--	HSA	165,328.8	1,268,685.4	306.23	306.70	306.59	PES, 08/2015	Flush	42	2	37-42	36.64-41.64	0.020	34-42	0-34
DC-9A [9]	AER 681	4/6/99	Missing	HSA	165,124.7	1,268,587.3	308.02	--	--	ERM, 08/2008	Flush	38	2	33-38	32.6-37.6	0.020	31-38	0-31
DC-10A	AER 680	4/5/99	--	HSA	165,117.2	1,268,497.2	307.73	307.83	307.72	PES, 08/2015	Flush	37	2	32-37	32.01-37.01	0.020	30-37	0-30
DC-15	APS 768	4/16/07	--	HSA	165,267.1	1,268,705.9	307.89	308.20	--	PES, 02/2013	Flush	42	2	31-41	30.7-40.7	0.010	29-41	0-29
DC-17	APS 767	4/16/07	--	HSA	165,194.2	1,268,528.6	305.16	305.58	305.35	PES, 05/2013	Flush	40	2	30-40	29.81-39.81	0.010	28-40	0-28
KMW-3	APK 569	5/1/06	--	HSA	165,357.4	1,268,462.5	296.99	297.77	297.70	PES, 10/2019	Flush	40	2	25.18-35.18	24.47-34.47	0.010	8-35	0-8
KMW-7	APS 342	3/26/07	--	HSA	165,389.7	1,268,563.6	301.42	302.02	302.00	PES, 10/2019	Flush	44	2	29.35-44.35	28.77-43.77	0.020	27-44	0-27
KMW-8	APS 341	3/26/07	--	HSA	165,386.2	1,268,800.7	308.16	308.73	308.70	PES, 10/2019	Flush	44	2	29.24-44.24	28.70-43.70	0.020	27-44	0-29
Deep Monitoring Wells																		
DC-9B [9]	AER 678	4/5/99	Missing	HSA	165,122.8	1,268,589.4	308.16	--	--	ERM, 08/2008	Flush	60	2	53-58	--	0.020	50.5-58	0-50.5
Soil Vapor Extraction Wells																		
SVE-1	BCS 403	6/29/09	--	HSA	164,943.5	1,268,516.2	311.85	312.02	--	PES, 08/2015	Flush	35.5	2	10-35	9.7-34.7	0.020	8-35.5	0-8
SVE-2	BCS 404	6/29/09	--	HSA	165,000.3	1,268,522.6	312.41	312.58	--	PES, 08/2015	Flush	35.5	2	10-35	9.6-34.6	0.020	8-35.5	0-8
SVE-3	BCS 409	6/30/09	--	HSA	165,070.2	1,268,536.4	308.28	--	307.84	PES, 02/2013	Flush	30.5	2	10-30	10.44-30.44	0.020	8-30.5	0-8
SVE-4	BCS 408	6/30/09	--	HSA	165,069.1	1,268,589.2	308.90	--	308.31	PES, 02/2013	Flush	30.5	2	10-30	10.59-30.59	0.020	8-30.5	0-8
SVE-5	BCS 407	6/30/09	--	HSA	165,068.8	1,268,655.3	309.91	--	309.31	PES, 02/2013	Flush	30.5	2	10-30	10.6-30.6	0.020	8-30.5	0-8
SVE-6	BBL 378	6/26/09	--	AKVAC	165,057.5	1,268,693.4	313.03	313.57	--	PES, 02/2013	Flush	10	2	5-10	4.6-9.6	0.010	4-10	0-4
SVE-7	BCS 406	6/30/09	--	HSA	165,077.5	1,268,704.6	310.71	--	309.95	PES, 02/2013	Flush	30.5	2	10-30	10.76-30.76	0.020	8-30.5	0-8
SVE-8	BCS 410	6/30/09	--	HSA	165,085.8	1,268,738.3	311.48	--	310.56	PES, 02/2013	Flush	30.5	2	10-30	10.92-30.92	0.020	8-30.5	0-8
SVE-9	BCS 405	6/29/09	--	HSA	165,060.0	1,268,819.5	313.31	--	312.13	PES, 02/2013	Flush	30.5	2	10-30	11.18-31.18	0.020	8-30.5	0-8
SVE-10	BCS 402	6/30/09	--	HSA	165,187.7	1,268,841.1	310.69	311.20	311.09	PES 03/2021	Flush	30.5	2	10-30	9.8-29.8	0.020	8-30.5	0-8
SVE-11A	BIE307	11/18/13	--	HSA	164,824.5	1,268,484.7	--	311.21	--	PES, 08/2015	Flush	20	4	5-19.98	4.6-19.58	0.020	3-20	0-3
SVE-11B	BIE301	11/18/13	--	HSA	164,831.2	1,268,492.0	--	311.43	--	PES, 08/2015	Flush	57	4	20-35	19.6-34.6	0.020	18-36	0-18
SVE-12A	BIE303	11/19/13	--	HSA	164,851.6	1,268,512.2	--	312.06	--	PES, 08/2015	Flush	20	4	5-19.98	4.6-19.58	0.020	3-20	0-3
SVE-12B	BIE304	11/20/13	--	HSA	164,853.8	1,268,506.7	--	311.52	--	PES, 08/2015	Flush	57	4	20-35	19.6-34.6	0.020	18-36	0-18
SVE-13A	BIE306	11/22/13	--	HSA	164,912.3	1,268,505.4	--	310.95	--	PES, 08/2015	Flush	20	4	5-19.98	4.6-19.58	0.020	3-20	0-3
SVE-13B	BIE305	11/21/13	--	HSA	164,903.3	1,268,505.6	--	310.99	--	PES, 08/2015	Flush	57.5	4	20-35	19.6-34.6	0.020	18-36	0-18
SVE-14	BID732	10/13/14	--	HSA	164,945.9	1,268,498.5	--	311.06	--	PES, 08/2015	Flush	36	4	19.63-34.63	19.23-34.23	0.020	18.3-36	3-18.3
SVE-15	BID736	10/15/14	--	HSA	165,000.5	1,268,503.7	--	311.30	--	PES, 08/2015	Flush	36	4	20.61-34.96	20.21-34.56	0.020	19.3-36	3.5-19.3
SVE-16	BID737	10/15/14	--	HSA	165,035.5	1,268,501.1	--	310.83	--	PES, 08/2015	Flush	36	4	20.49-34.79	20.09-34.39	0.020	18-36	3.5-18
SVE-17	BID709	9/24/14	--	HSA	165,071.8	1,268,503.4	--	308.39	--	PES, 08/2015	Flush	31	4	19.91-29.91	19.51-29.51	0.020	18-31	3.3-18
SVE-18	BID708	9/23/14	--	HSA	165,107.0	1,268,504.1	--	307.34	--	PES, 08/2015	Flush	31	4	19.79-29.79	19.39-29.39	0.020	17.9-31	16-17.9
SVE-19	BID715	9/29/14	--	HSA	165,091.9	1,268,579.7	--	308.53	--	PES, 08/2015	Flush	31	4	19.99-29.99	19.59-29.59	0.020	18-31	3.5-18
SVE-20	BLZ 286	8/30/21	--	HSA	165,057.7	1,268,696.8	313.02	313.37	313.42	PES, 03/2021	Flush	30	4	10.3-25.4	9.9-25	0.020	8-25	3-8

Table 2
Well Completion and Boring Details
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Well Location	Ecology Well Tag Number	Date		Drilling Method[1]	Location[2] (feet NAD 83/91)		Elevation[3] (feet NAVD88)			Survey Date	Monument Type	Boring Depth[6] (feet)	Well Diameter[7] (inches)	Screen Depth (ft bgs)		Slot Size (inch)	Filter Pack (ft bgs)	Seal (ft bgs)
		Installed	Decom.		Northing	Easting	Monitoring Point[4]	Surface Casing Rim	Ground Surface[5]					Below Ground Surface	Below Top of Casing			
SVE-21	BLZ 287	8/30/21	--	HSA	165,057.2	1,268,703.5	313.04	313.47	313.51	PES, 03/2021	Flush	38	4	25.7-37.7	25.3-37.3	0.020	23-38	3-23
SVE-22	BLZ 288	9/1/21	--	HSA	165,085.5	1,268,715.6	309.90	310.27	310.20	PES, 03/2021	Flush	36	4	20.6-35.6	20.2-35.2	0.020	18-36	3-18
SVE-23	BLZ 289	9/1/21	--	HSA	165,180.7	1,268,839.9	310.71	311.22	311.16	PES, 03/2021	Flush	35.7	4	20.3-35.3	19.9-34.9	0.020	18-36	3-18
SVE-24 [12]	BLZ 290	9/1/21	--	HSA	165,175.9	1,268,862.8	312.20	312.53	312.50	PES, 03/2021	Flush	23	4	10.3-22.6	9.9-22.2	0.020	8-23	3-8
SVE-25 [12]	BLZ 285	9/2/21	--	HSA	165,164.6	1,268,852.0	311.32	311.86	311.77	PES, 03/2021	Flush	36.9	4	22.8-35.7	22.4-35.3	0.020	18-37	3-18
Vapor Monitoring Probes																		
VMP-1 (B-5)	BAB 454	3/26/08	--	DP	164,828.0	1,268,482.4	310.91	311.01	--	PES, 08/2015	Flush	30	0.75	10-15	9.7-14.7	0.010	7-30	0-7
VMP-2 (B-7)	BAB 453	3/25/08	--	DP	164,964.6	1,268,493.8	310.97	311.04	--	PES, 08/2015	Flush	30	0.75	10-15	9.8-14.8	0.010	7-30	0-7
VMP-3 (B-9)	BAB 452	3/25/08	--	DP	165,028.4	1,268,497.6	310.58	310.71	--	PES, 02/2013	Flush	30	0.75	10-15	9.9-14.9	0.010	7-30	0-7
VMP-4 (B-11)	BAB 455	3/27/08	--	DP	165,079.0	1,268,533.8	307.67	308.00	--	PES, 02/2013	Flush	30	0.75	10-15	9.7-14.7	0.010	7-30	0-7
VMP-5 (B-12)	BAB 456	3/27/08	--	DP	165,083.7	1,268,602.8	308.22	308.48	--	PES, 02/2013	Flush	25	0.75	10-15	9.7-14.7	0.010	7-25	0-7
VMP-6 (B-13)	BAB 457	3/27/08	--	DP	165,071.2	1,268,674.9	308.95	309.18	--	PES, 02/2013	Flush	26	0.75	10-15	9.8-14.8	0.010	7-26	0-7
Soil Vapor Sampling Probes																		
SVS-10	NA	11/5/03	--	HA	--	--	--	--	--	--	Flush	1.0	1.0	0.96-1.00	--	Mesh [11]	0.5-1.0	0-0.5
SVS-11	NA	4/16/18	--	HA	--	--	--	--	--	--	Flush	1.3	0.63	1.27-1.30	--	Mesh [11]	0.5-1.0	0-0.5
SVS-12	NA	4/16/18	6/2/22	HA	--	--	--	--	--	--	Flush	1.3	0.63	1.27-1.30	--	Mesh [11]	0.5-1.0	0-0.5
SVS-13	NA	4/16/18	--	HA	--	--	--	--	--	--	Flush	1.2	0.63	1.27-1.30	--	Mesh [11]	0.5-1.0	0-0.5
SVS-14	NA	4/25/18	--	HA	--	--	--	--	--	--	Flush	1.3	0.63	1.27-1.30	--	Mesh [11]	0.5-1.0	0-0.5
SVS-15	NA	4/25/18	--	HA	--	--	--	--	--	--	Flush	1.3	0.63	1.27-1.30	--	Mesh [11]	0.5-1.0	0-0.5
SVS-16	NA	4/25/18	6/2/22	HA	--	--	--	--	--	--	Flush	1.3	0.63	1.27-1.30	--	Mesh [11]	0.5-1.0	0-0.5
SVS-17	BKX 980	2/28/19	--	HA	--	--	--	--	--	--	Flush	5.0	2.25	4.5-5.0	--	Mesh [11]	4-5	0-4
SVS-18	NA	9/28/22	--	HA	--	--	--	--	--	--	Flush	1.0	0.63	4.5-5.0	--	Mesh [11]	4-5	0-4
Recirculation Well																		
TW-1	APK 570	5/2/06	--	HSA	165,114.8	1,268,571.3	--	--	--	PES, 02/2013	AG	50	6	25-35/45-50	--	0.010	22-35/40-50	0-22/35-40
Pilot Test Injection Well																		
IW-1	BHB 291	4/29/11	--	HSA	--	--	--	--	--	--	AG	38	2	33-38	--	0.010	31-38	0-31
Air Sparging Wells																		
AS-1	BHV 647	5/17/13	--	HSA	165,116.9	1,268,511.0	--	307.23	307.34	PES, 08/2015	Flush	48	1	43.8-45.8	43.4-45.4	0.010	43.5-48	0-43.5
AS-2	BID714	9/29/14	--	HSA	165,093.2	1,268,557.0	--	308.30	--	PES, 08/2015	Flush	53	2	48.08-51.13	47.68-50.73	0.020	48-53	3.0-48
AS-3	BID718	10/1/14	--	HSA	165,091.7	1,268,574.0	--	308.44	--	PES, 08/2015	Flush	51	2	48.14-50.14	47.74-49.74	0.020	46-51	3.6-46
AS-4	BID717	9/30/14	--	HSA	165,073.3	1,268,590.4	--	308.25	--	PES, 08/2015	Flush	51	2	48.82-50.80	48.42-50.4	0.020	47.3-51	3.3-47.3
AS-5	BID716	9/30/14	--	HSA	165,073.7	1,268,566.0	--	307.97	--	PES, 08/2015	Flush	52	2	48.77-50.79	48.37-50.39	0.020	47.5-52	3.5-47.5
AS-6	BID713	9/26/14	--	HSA	165,073.2	1,268,541.5	--	307.89	--	PES, 08/2015	Flush	52	2	48.91-50.92	48.51-50.52	0.020	47.6-52	3.5-47.6
AS-7	BID710	9/24/14	--	HSA	165,080.3	1,268,521.9	--	308.01	--	PES, 08/2015	Flush	50.5	2	46.93-48.91	46.53-48.51	0.020	46-50.5	3.5-43
AS-8	BID740	10/17/14	--	HSA	165,058.0	1,268,525.1	--	312.52	--	PES, 08/2015	Flush	54	2	52.10-54.14	51.7-53.74	0.020	51-54.31	3.5-51
AS-9	BID739	10/16/14	--	HSA	165,029.5	1,268,522.9	--	312.52	--	PES, 08/2015	Flush	54	2	51.09-53.11	50.69-52.71	0.020	50-54	4-50
AS-10	BID733	10/14/14	--	HSA	165,004.5	1,268,521.9	--	312.52	--	PES, 08/2015	Flush	56	2	52.78-54.80	52.38-54.4	0.020	52-56	3.9-52
AS-11	BID731	10/13/14	--	HSA	164,976.2	1,268,521.3	--	312.57	--	PES, 08/2015	Flush	54.5	2	52.27-54.27	51.87-53.87	0.020	50.51-54.5	3-50.5
AS-12	BID729	10/10/14	--	HSA	164,948.4	1,268,520.9	--	312.34	--	PES, 08/2015	Flush	54.24	2	52.06-54.07	51.66-53.67	0.020	50.7-54.24	3.5-50.7
AS-13	BID728	10/9/14	--	HSA	164,920.9	1,268,520.2	--	311.72	--	PES, 08/2015	Flush	54	2	51.64-53.67	51.24-53.27	0.020	50.7-54	3.5-50.7
AS-14	BID726	10/8/14	--	HSA	164,891.0	1,268,520.2	--	311.93	--	PES, 08/2015	Flush	54.09	2	51.88-53.92	51.48-53.52	0.020	50.9-54.09	3.3-50.09
AS-15	BID723	10/6/14	--	HSA	164,865.7	1,268,520.3	--	312.35	--	PES, 08/2015	Flush	54	2	50.89-52.87	50.49-52.47	0.020	50-54	3.5-50
AS-16	BID724	10/7/14	--	HSA	164,841.0	1,268,511.9	--	312.37	--	PES, 08/2015	Flush	54	2	51.89-53.97	51.49-53.57	0.020	51-54.04	3.3-51
AS-17	BID721	10/3/14	--	HSA	164,821.9	1,268,488.3	--	311.44	--	PES, 08/2015	Flush	54.02	2	51.87-53.85	51.47-53.45	0.020	50.5-54.02	3.3-50.5
AS-18	BID719	10/2/14	--	HSA	164,810.9	1,268,465.6	--	310.51	--	PES, 08/2015	Flush	54.5	2	50.37-52.35	49.97-51.95	0.020	49.5-54.5	3.6-49.5
AS-19	BID720	10/3/14	--	HSA	164,834.5	1,268,474.4	--	310.67	--	PES, 08/2015	Flush	54.08	2	51.94-53.91	51.54-53.51	0.020	50.7-54.08	3.0-54.08
AS-20	BID722	10/6/14	--	HSA	164,852.1	1,268,491.4	--	311.00	--	PES, 08/2015	Flush	54	2	50.96-52.94	50.56-52.54	0.020	49.6-54	3.5-49.6
AS-21	BID725	10/7/14	--	HSA	164,879.0	1,268,495.8	--	310.98	--	PES, 08/2015	Flush	55	2	51.92-53.92	51.52-53.52	0.020	50.7-55	3.5-50.7
AS-22	BID727	10/8/14	--	HSA	164,907.4	1,268,496.1	--	310.72	--	PES, 08/2015	Flush	55	2	52.38-54.40	51.98-54	0.020	51.5-55	3.5-51.5

Table 2
Well Completion and Boring Details
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Well Location	Ecology Well Tag Number	Date		Drilling Method[1]	Location[2] (feet NAD 83/91)		Elevation[3] (feet NAVD88)			Survey Date	Monument Type	Boring Depth[6] (feet)	Well Diameter[7] (inches)	Screen Depth (ft bgs)		Slot Size (inch)	Filter Pack (ft bgs)	Seal (ft bgs)
		Installed	Decom.		Northing	Easting	Monitoring Point[4]	Surface Casing Rim	Ground Surface[5]					Below Ground Surface	Below Top of Casing			
AS-23	BID730	10/10/14	--	HSA	164,935.3	1,268,497.1	--	310.88	--	PES, 08/2015	Flush	55	2	52.72-54.76	52.32-54.36	0.020	52-55	3.7-55
AS-24	BID734	10/14/14	--	HSA	164,963.7	1,268,494.9	--	311.08	--	PES, 08/2015	Flush	55	2	52.68-54.74	52.28-54.34	0.020	52-55	3.5-52
AS-25	BID735	10/15/14	--	HSA	164,993.3	1,268,503.1	--	311.33	--	PES, 08/2015	Flush	56	2	53.35-55.36	52.95-54.96	0.020	51.9-56	3.5-51.9
AS-26	BID738	10/16/14	--	HSA	165,018.0	1,268,497.2	--	310.75	--	PES, 08/2015	Flush	55.5	2	53.10-54.14	52.7-53.74	0.020	52-55.5	4-52
AS-27	BID741	10/17/14	--	HSA	165,047.3	1,268,497.3	--	310.99	--	PES, 08/2015	Flush	55.5	2	53.10-55.14	52.7-54.74	0.020	52-55.5	4-52
AS-28	BID706	9/22/14	--	HSA	165,077.4	1,268,498.9	--	308.11	--	PES, 08/2015	Flush	50.5	2	47.94-49.88	47.54-49.48	0.020	47.5-50.5	3.5-47.5
AS-29	BID707	9/23/14	--	HSA	165,098.0	1,268,498.4	--	307.74	--	PES, 08/2015	Flush	51	2	48.10-50.08	47.7-49.68	0.020	47-51	3.3-47
AS-30	BID711	9/25/14	--	HSA	165,100.2	1,268,516.2	--	307.36	--	PES, 08/2015	Flush	52	2	48.24-50.24	47.84-49.84	0.020	46.8-52	3.8-46.8
AS-31	BID712	9/26/14	--	HSA	165,098.2	1,268,535.6	--	308.10	--	PES, 08/2015	Flush	52.5	2	48.86-50.89	48.46-50.49	0.020	47.6-52.5	3.5-47.6
Supplemental Investigation Borings																		
SB-10	NA	4/16/18	4/16/18	DP	164,837.8	1,268,523.0	--	--	313.30	PES, 05/2018	--	11	2.25	--	--	--	--	--
SB-11	NA	4/16/18	4/16/18	DP	164,831.3	1,268,470.8	--	--	310.59	PES, 05/2018	--	15	2.25	--	--	--	--	--
SB-12	NA	4/16/18	4/16/18	DP	164,812.7	1,268,480.9	--	--	311.18	PES, 05/2018	--	11	2.25	--	--	--	--	--
SB-13	NA	4/16/18	4/16/18	DP	165,056.3	1,268,696.8	--	--	313.34	PES, 05/2018	--	29	2.25	--	--	--	--	--
SB-13A	NA	4/25/18	4/25/18	DP	165,055.2	1,268,697.2	--	--	313.38	PES, 05/2018	--	33	2.25	--	--	--	--	--
SB-13B	NA	4/25/18	4/25/18	DP	165,067.3	1,268,697.4	--	--	309.32	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-14	NA	4/16/18	4/16/18	DP	165,056.3	1,268,717.0	--	--	313.60	PES, 05/2018	--	31.5	2.25	--	--	--	--	--
SB-14A	NA	4/25/18	4/25/18	DP	165,056.2	1,268,717.8	--	--	313.60	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-15	NA	4/17/18	4/17/18	DP	165,078.3	1,268,721.7	--	--	310.28	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-16	NA	4/17/18	4/17/18	DP	165,172.1	1,268,822.2	--	--	310.61	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-17	NA	4/18/18	4/18/18	DP	165,175.7	1,268,798.0	--	--	310.03	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-18	NA	4/18/18	4/18/18	DP	165,201.4	1,268,799.7	--	--	309.93	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-19[10]	NA	4/19/18	4/19/18	DP	165,132.6	1,268,649.4	--	--	308.76	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-20[10]	NA	4/19/18	4/19/18	DP	165,154.5	1,268,680.2	--	--	309.00	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-21[10]	NA	4/19/18	4/19/18	DP	165,187.4	1,268,742.4	--	--	309.65	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-22[10]	NA	4/20/18	4/20/18	DP	165,173.0	1,268,709.8	--	--	309.07	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-23[10]	NA	4/20/18	4/20/18	DP	165,109.3	1,268,725.1	--	--	309.76	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-24[10]	NA	4/23/18	4/23/18	DP	165,113.2	1,268,695.3	--	--	310.24	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-25[10]	NA	4/23/18	4/23/18	DP	165,107.6	1,268,755.1	--	--	310.27	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-26	NA	4/24/18	4/24/18	DP	165,177.8	1,268,857.4	--	--	312.30	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-27	NA	4/24/18	4/24/18	DP	165,166.7	1,268,856.4	--	--	311.62	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-28	NA	4/24/18	4/24/18	DP	165,209.6	1,268,850.2	--	--	310.94	PES, 05/2018	--	40	2.25	--	--	--	--	--
SB-29[10]	NA	4/24/18	4/24/18	DP	165,116.8	1,268,669.9	--	--	309.39	PES, 05/2018	--	40	2.25	36-40	--	0.004	--	--
SB-30	NA	4/25/18	4/25/18	DP	165,196.5	1,268,529.1	--	--	304.82	PES, 05/2018	--	40	2.25	--	--	--	--	--
Decommissioned Monitoring Wells[13]																		
MW-1	--	12/9/99	9/6/22	HSA	165,180.1	1,268,830.5	310.63	310.89	310.81	PES 03/2021	Flush	44	2	34-44	--	0.020	est. 32-44	0-est. 32
MW-2	--	12/9/99	9/6/22	HSA	165,149.8	1,268,724.6	308.34	309.13	309.12	PES, 08/2015	Flush	43	2	33-43	32.22-42.22	0.020	est. 31-43	0-est. 31
MW-3	BAB 465	4/8/08	9/7/22	HSA	164,857.2	1,268,511.5	311.41	311.76	311.74	PES, 08/2015	Flush	47	2	36-46	35.67-45.67	0.010	34-46	0-34
MW-5	BAB 464	4/8/08	9/6/22	HSA	165,331.6	1,268,938.6	310.38	310.84	--	PES, 08/2015	Flush	46	2	36-46	35.6-45.6	0.010	34-46	0-34
MW-8	APE 295	8/18/08	9/8/22	HSA	165,681.2	1,268,349.8	280.68	281.05	280.97	PES, 08/2015	Flush	26	2	13-23	12.71-22.71	0.010	11-23	0-11
MW-12	BHL 051	3/28/12	9/7/22	HSA	164,825.0	1,268,516.1	312.80	313.12	313.10	PES, 08/2015	Flush	46.5	2	36-46	35.7-45.7	0.010	34-46.5	0-34
MW-13	BHL 053	3/29/12	9/7/22	HSA	165,036.5	1,268,459.8	308.75	309.16	309.17	PES, 08/2015	Flush	46.5	2	35-45	34.58-44.58	0.010	33-45	0-33
MW-14	BHL 054	3/27/12	9/7/22	HSA	165,261.1	1,268,564.6	303.82	304.24	--	PES, 02/2013	Flush	38	2	28-38	27.6-37.6	0.010	26-38	0-26
MW-15	BHL 052	3/28/12	9/6/22	HSA	165,103.9	1,268,678.7	312.44	312.81	310.30	PES, 02/2013	AG	46.5	2	35-45	37.14-47.14	0.010	33-45.5	0-33
MW-16	BHU 646	5/16/13	9/6/22	HSA	165,164.5	1,268,613.3	310.37	311.21	307.92	PES, 05/2013	AG	43	2	27.2-42.2	29.45-44.65	0.020	25-43	0-25
MW-19	BLK 427	10/17/19	9/7/22	HSA	165,346.1	1,268,663.1	305.35	305.77	305.90	PES, 10/2019	Flush	55.5	2	43.9-53.9	43.35-53.35	0.010	42-55	0-42
DC-1	AEE 921	10/12/98	9/7/22	HSA	164,940.2	1,268,698.6	312.82	313.34	--	PES, 02/2013	Flush	47	2	40-45	39.5-44.5	0.020	37-47	0-37
DC-2	AEE 924	10/13/98	9/7/22	HSA	165,055.6	1,268,655.1	312.92	313.61	313.70	PES, 08/2015	Flush	50	2	42-47	41.22-46.22	0.020	40-50	0-40
DC-3	AEE 925	10/13/98	9/7/22	HSA	165,056.4	1,268,607.7	313.11	313.68	313.79	PES, 08/2015	Flush	48	2	43-48	42.32-47.32	0.020	41-48	0-41

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Well Completion and Boring Details
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Well Location	Ecology Well Tag Number	Date		Drilling Method[1]	Location[2] (feet NAD 83/91)		Elevation[3] (feet NAVD88)			Survey Date	Monument Type	Boring Depth[6] (feet)	Well Diameter[7] (inches)	Screen Depth (ft bgs)		Slot Size (inch)	Filter Pack (ft bgs)	Seal (ft bgs)
		Installed	Decom.		Northing	Easting	Monitoring Point[4]	Surface Casing Rim	Ground Surface[5]					Below Ground Surface	Below Top of Casing			
DC-5	--	1/22/99	9/7/22	HSA	165,166.5	1,268,526.9	306.03	306.28	306.24	PES, 08/2015	Flush	58.5	2	41-46	40.79-45.79	0.020	39-47	0-39
DC-10B	AER 679	4/6/99	9/6/22	HSA	165,120.4	1,268,497.5	307.80	308.29	307.89	PES, 08/2015	Flush	56	2	45-50	44.91-49.91	0.020	43-50	0-43
DC-11	APS 771	4/19/07	9/6/22	HSA	165,078.5	1,268,816.1	311.25	311.66	--	PES, 02/2013	Flush	42	2	32-42	31.6-41.6	0.010	30-42	0-30
DC-12	APS 772	4/18/07	9/6/22	HSA	165,179.8	1,268,852.1	311.22	311.81	311.73	PES 03/2021	Flush	42	2	32-42	31.7-41.7	0.010	30-42	0-30
DC-13	APS 773	4/19/07	9/6/22	HSA	165,208.9	1,268,827.2	310.20	310.52	--	PES, 02/2013	Flush	42	2	32-42	31.7-41.7	0.010	30-42	0-30
DC-14	APS 769	4/17/07	3/1/19	HSA	165,355.0	1,268,812.6	308.94	309.49	--	PES, 02/2013	Flush	45	2	35-45	34.4-44.4	0.010	33-45	0-33
DC-16	APS 770	4/18/07	9/6/22	HSA	165,169.7	1,268,611.5	307.12	307.79	--	PES, 02/2013	Flush	61.5	2	50-60	49.3-59.3	0.010	50-60	0-50
DC-18	APS 308	4/18/07	9/6/22	HSA	165,197.1	1,268,765.0	309.51	309.95	309.93	PES, 08/2015	Flush	42	2	32-42	31.58-41.58	0.010	30-42	0-30
DC-19	--	6/1/07	9/7/22	HSA	165,039.3	1,268,829.6	313.62	313.82	--	PES, 02/2013	Flush	47	2	37-47	36.8-46.8	0.010	35-47	0-35
DC-20	BAR 534	5/28/08	9/6/22	HSA	165,237.2	1,268,854.8	310.92	311.13	--	PES, 02/2013	Flush	44	2	34-44	33.8-43.8	0.020	32-44	0-32
KMW-1	--	7/25/05	9/6/22	HSA	165,245.9	1,268,892.6	311.59	311.82	--	PES, 08/2015	Flush	52	2	37-52	36.8-51.8	0.010	34-52	0-34
KMW-2	APK 570	5/1/06	9/6/22	HSA	165,111.7	1,268,531.0	307.04	307.27	307.13	PES, 08/2015	Flush	50	2	30-40	29.91-39.91	0.010	8-40	0-8
KMW-4	APS 347	3/28/07	9/8/22	HSA	165,175.7	1,268,369.8	299.57	299.84	299.78	PES, 08/2015	Flush	34	2	24-34	23.79-33.79	0.020	23-34	0-22
KMW-5	APS 346	3/28/07	9/8/22	HSA	165,267.7	1,268,380.4	297.22	297.58	297.56	PES, 08/2015	Flush	34	2	24-34	23.66-33.66	0.020	22-34	0-22
KMW-5D	APS 345	3/28/07	9/8/22	HSA	165,276.5	1,268,382.0	297.04	297.35	297.32	PES, 08/2015	Flush	46	2	41-46	40.72-45.72	0.020	41-46	0-41
KMW-6	APS 343	3/27/07	9/8/22	HSA	165,391.1	1,268,399.1	294.80	295.27	295.20	PES, 10/2019	Flush	42.5	2	26.18-41.18	25.78-40.78	0.020	22-41	0-22
KMW-9	APS 344	3/27/07	9/6/22	HSA	165,079.0	1,268,726.3	310.33	310.83	310.83	PES, 08/2015	Flush	44	2	34-44	33.5-43.5	0.020	32-44	0-32
Former SCS Soil Vapor Extraction Wells (1999)																		
VES-1 (B1)	--	1999	2000	--	--	--	--	--	--	--	Flush	11.5	2	3-11	--	0.020	2.5-11.5	1.5-2.5
VES-2A	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.020	2.5-6.5	1.5-2.5
VES-2B	--	1999	2000	--	--	--	--	--	--	--	Flush	36	2	11.5-35.5	--	0.020	7.5-36	1.5-2.5/6.5-7.5
VES-3 (BH-15)	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.020	2.5-6.5	1.5-2.5
VES-4 (BH-16)	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.020	2.5-6.5	1.5-2.5
VES-5 (BH-17)	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.010	2.5-6.5	1.5-2.5
VES-6A (BH-1)	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.020	2.5-6.5	1.5-2.5
VES-6B (BH-1)	--	1999	2000	--	--	--	--	--	--	--	Flush	36	2	11.5-35.5	--	0.020	7.5-36	1.5-2.5/6.5-7.5
VES-7	--	1999	2000	--	--	--	--	--	--	--	Flush	6.5	2	3-6	--	0.020	2.5-6.5	1.5-2.5

NOTES:

-- indicates not documented or information unknown.

[1] Drilling methods include hollow stem auger (HSA), direct push (DP), vacuum truck with air knife (AKVAC), and hand augered (HA).

[2] Northing and easting in feet relative to the Washington State Plane System North Zone (NAD 83/91)

[3] Elevations in feet relative to North American Vertical Datum of 1988 (NAVD88).

[4] Monitoring point is at the top of the PVC well casing.

[5] Surface elevations for the direct push borings represents ground surface adjacent to the boring.

[6] All depths shown in feet below ground surface (ft bgs)

[7] All wells completed with Schedule 40 PVC with the exception of AS-1 (Schdedule 80 PVC).

[8] Screened intervals are documented on boring logs and are typically based on a field measurements relative to ground surface at the time of drilling. Screened intervals relative to top of casing are estimated using well field construction measurements, surveyed top of casing elevations, surveyed ground surface elevations, and in some cases surveyed monument rim elevations. If ground or rim elevations are not surveyed, then top of casing is assumed to be 0.4 ft depth.

[9] Monitoring wells DC-6, DC-9A, DC-9B are missing or destroyed. The 1999 SCS VES wells have been decommissioned.

[10] Temporary well screens consisting of Geoprobe SP22 stainless steel slotted tooling were deployed in direct push borings SB-19 through SB-25 and SB-29.

[11] Soil vapor sampling probe screens are constructed of fine metal mesh.

[12] Soil vapor extraction wells SVE-24 and SVE-25 were installed at a 45 degree angle. The wells were cut off 4 feet below ground surface and the casings extended vertically. Depth intervals have been converted from length along the boring by dividing by 1.41.

[13] A total of 30 monioring wells were decommissioned on 9/6 - 9/8/2022. MW-1, MW-2, and DC-5 were drilled out. The remaining wells were chipped up and decommissioned in place including MW-3, MW-5, MW-8, MW-12, MW-13, MW-14, MW-15, MW-16, MW-19, DC-1, DC-2, DC-3, DC-10B, DC-11, DC-12, DC-13, DC-16, DC-18, DC-19, DC-20, KMW-1, KMW-3, KMW-4, KMW-5, KMW-5D, KMW-6, and KMW-9.

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
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Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
MW-1	12/10/1999	309.97	37.44	272.53
MW-1	2/9/2005	309.97	39.52	270.45
MW-1	4/11/2006	309.97	37.78	272.19
MW-1	10/26/2006	309.97	39.22	270.75
MW-1	4/24/2007	309.97	36.61	273.36
MW-1	8/21/2008	309.97	37.32	272.65
MW-2	12/10/1999	307.69	35.60	272.09
MW-2	11/5/2010	307.69	37.03	270.66
MW-2	2/11/2011	307.69	35.81	271.88
MW-2	5/30/2011	307.69	34.40	273.29
MW-2	7/19/2011	307.69	34.71	272.98
MW-2	10/17/2011	307.69	35.80	271.89
MW-2	4/2/2012	307.69	36.11	271.58
MW-2	5/28/2013	308.56	35.73	272.83
MW-2	4/14/2014	308.56	36.17	272.39
MW-2	10/21/2014	308.34	36.48	271.86
MW-2	12/11/2015	308.34	36.89	271.45
MW-2	12/13/2016	308.34	36.09	272.25
MW-2	3/13/2017	308.34	34.93	273.41
MW-2	7/17/2017	308.34	33.97	274.37
MW-2	10/20/2017	308.34	35.45	272.89
MW-2	1/24/2018	308.34	35.61	272.73
MW-2	4/17/2018	308.34	34.93	273.41
MW-2	7/18/2018	308.34	35.12	273.22
MW-2	10/15/2018	308.34	36.26	272.08
MW-2	10/24/2019	308.34	37.20	271.14
MW-2	12/7/2021	308.34	37.05	271.29
MW-3	8/21/2008	311.49	39.77	271.72
MW-3	11/5/2010	311.49	39.43	272.06
MW-3	2/11/2011	311.49	38.10	273.39
MW-3	5/30/2011	311.49	36.66	274.83
MW-3	7/19/2011	311.49	37.03	274.46
MW-3	10/17/2011	311.49	38.18	273.31
MW-3	4/2/2012	311.49	38.39	273.10
MW-3	5/28/2013	311.62	38.09	273.53
MW-3	10/21/2014	311.41	38.91	272.50
MW-3	12/9/2015	311.41	39.28	272.13
MW-3	12/13/2016	311.41	38.44	272.97
MW-3	3/13/2017	311.41	37.09	274.32
MW-3	7/17/2017	311.41	36.21	275.20
MW-3	10/20/2017	311.41	37.61	273.80
MW-3	1/24/2018	311.41	37.73	273.68
MW-3	4/17/2018	311.41	37.24	274.17
MW-3	7/18/2018	311.41	37.52	273.89
MW-3	10/15/2018	311.41	38.68	272.73
MW-3	10/24/2019	311.41	39.68	271.73
MW-3	12/7/2021	311.41	39.34	272.07

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MW-4	11/5/2010	310.54	38.74	271.80
MW-4	2/11/2011	310.54	37.41	273.13
MW-4	5/30/2011	310.54	35.99	274.55
MW-4	7/19/2011	310.54	36.37	274.17
MW-4	10/17/2011	310.54	37.50	273.04
MW-4	4/2/2012	310.54	37.67	272.87
MW-4	5/28/2013	310.68	37.40	273.28
MW-4	10/21/2014	310.47	38.13	272.34
MW-4	12/9/2015	310.47	38.60	271.87
MW-4	12/13/2016	310.47	37.36	273.11
MW-4	3/13/2017	310.47	36.42	274.05
MW-4	7/17/2017	310.47	35.59	274.88
MW-4	10/20/2017	310.47	37.17	273.30
MW-4	1/24/2018	310.47	37.04	273.43
MW-4	4/17/2018	310.47	36.59	273.88
MW-4	7/18/2018	310.47	36.86	273.61
MW-4	10/15/2018	310.47	38.01	272.46
MW-4	10/24/2019	310.47	39.00	271.47
MW-4	12/7/2021	310.47	38.84	271.63
MW-4	6/20/2024	310.47	38.07	272.40
MW-4	9/23/2024	310.47	38.95	271.52
MW-4	12/16/2024	310.47	39.57	270.90
MW-5	8/21/2008	310.28	39.96	270.32
MW-5	11/5/2010	310.28	39.73	270.55
MW-5	2/11/2011	310.28	38.60	271.68
MW-5	5/30/2011	310.28	37.24	273.04
MW-5	7/19/2011	310.28	37.51	272.77
MW-5	10/17/2011	310.28	38.54	271.74
MW-5	4/2/2012	310.28	38.90	271.38
MW-5	10/21/2014	310.38	39.17	271.21
MW-5	12/9/2015	310.38	39.69	270.69
MW-5	12/13/2016	310.38	38.80	271.58
MW-5	3/13/2017	310.38	37.80	272.58
MW-5	7/17/2017	310.38	36.80	273.58
MW-5	10/20/2017	310.38	38.17	272.21
MW-5	1/24/2018	310.38	38.60	271.78
MW-5	4/17/2018	310.38	37.71	272.67
MW-5	7/18/2018	310.38	37.89	272.49
MW-5	10/15/2018	310.38	38.92	271.46
MW-5	10/24/2019	310.38	39.85	270.53

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Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
MW-6	8/21/2008	304.27	37.46	266.81
MW-6	11/5/2010	304.27	37.25	267.02
MW-6	2/11/2011	304.27	36.30	267.97
MW-6	5/30/2011	304.27	35.50	268.77
MW-6	7/19/2011	304.27	35.38	268.89
MW-6	10/17/2011	304.27	36.24	268.03
MW-6	4/2/2012	304.27	36.53	267.74
MW-6	10/21/2014	304.14	37.79	266.35
MW-6	12/9/2015	304.14	37.22	266.92
MW-6	12/13/2016	304.14	36.49	267.65
MW-6	3/13/2017	304.14	35.68	268.46
MW-6	7/17/2017	304.14	34.79	269.35
MW-6	10/20/2017	304.14	38.24	265.90
MW-6	1/24/2018	304.14	36.08	268.06
MW-6	4/17/2018	304.14	35.61	268.53
MW-6	7/18/2018	304.14	35.71	268.43
MW-6	10/15/2018	304.14	36.58	267.56
MW-6	10/25/2019	304.14	37.37	266.77
MW-7	8/21/2008	302.76	39.00	263.76
MW-7	11/5/2010	302.76	38.74	264.02
MW-7	2/11/2011	302.76	37.61	265.15
MW-7	5/30/2011	302.76	36.09	266.67
MW-7	7/19/2011	302.76	36.43	266.33
MW-7	10/17/2011	302.76	37.43	265.33
MW-7	4/2/2012	302.76	37.52	265.24
MW-7	5/28/2013	302.76	37.48	265.28
MW-7	10/30/2014	302.64	35.80	266.84
MW-7	12/9/2015	302.64	38.75	263.89
MW-7	12/13/2016	302.64	37.79	264.85
MW-7	3/13/2017	302.64	36.79	265.85
MW-7	7/17/2017	302.64	35.75	266.89
MW-7	10/20/2017	302.64	37.16	265.48
MW-7	1/24/2018	302.64	37.33	265.31
MW-7	4/17/2018	302.64	36.79	265.85
MW-7	7/18/2018	302.64	37.00	265.64
MW-7	10/23/2018	302.64	38.15	264.49
MW-7	10/25/2019	302.64	39.04	263.60
MW-7	12/7/2021	302.64	38.78	263.86
MW-7	12/16/2024	302.64	39.45	263.19

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MW-8	8/21/2008	280.08	12.78	267.30
MW-8	2/11/2011	280.08	11.11	268.97
MW-8	5/30/2011	280.08	10.20	269.88
MW-8	7/19/2011	280.08	10.66	269.42
MW-8	10/17/2011	280.08	11.52	268.56
MW-8	4/2/2012	280.08	11.09	268.99
MW-8	10/21/2014	280.68	12.12	268.56
MW-8	12/9/2015	280.68	11.81	268.87
MW-8	12/13/2016	280.68	11.40	269.28
MW-8	3/13/2017	280.68	10.30	270.38
MW-8	7/17/2017	280.68	10.26	270.42
MW-8	10/20/2017	280.68	10.25	270.43
MW-8	1/24/2018	280.68	10.80	269.88
MW-8	4/17/2018	280.68	10.50	270.18
MW-8	7/18/2018	280.68	11.22	269.46
MW-8	10/16/2018	280.68	12.09	268.59
MW-8	10/25/2019	280.68	12.74	267.94
MW-9	8/21/2008	285.11	32.24	252.87
MW-9	11/5/2010	285.11	31.98	253.13
MW-9	2/11/2011	285.11	30.93	254.18
MW-9	5/30/2011	285.11	29.76	255.35
MW-9	7/19/2011	285.11	30.12	254.99
MW-9	10/17/2011	285.11	31.04	254.07
MW-9	4/2/2012	285.11	31.05	254.06
MW-9	10/21/2014	284.97	31.68	253.29
MW-9	12/9/2015	284.97	32.06	252.91
MW-9	12/13/2016	284.97	31.24	253.73
MW-9	3/13/2017	284.97	30.20	254.77
MW-9	7/17/2017	284.97	29.59	255.38
MW-9	10/20/2017	284.97	30.75	254.22
MW-9	1/24/2018	284.97	30.84	254.13
MW-9	4/17/2018	284.97	30.43	254.54
MW-9	7/18/2018	284.97	30.60	254.37
MW-9	10/16/2018	284.97	31.40	253.57
MW-9	10/25/2019	284.97	32.22	252.75
MW-9	12/7/2021	284.97	32.11	252.86
MW-9	6/20/2024	284.97	31.44	253.53
MW-9	9/23/2024	284.97	32.08	252.89
MW-9	12/16/2024	284.97	32.63	252.34

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MW-10	2/11/2011	306.70	34.04	272.66
MW-10	5/30/2011	306.70	32.69	274.01
MW-10	7/19/2011	306.70	33.05	273.65
MW-10	10/17/2011	306.70	34.13	272.57
MW-10	4/2/2012	306.70	34.31	272.39
MW-10	5/28/2013	306.91	34.03	272.88
MW-10	10/21/2014	306.71	34.81	271.90
MW-10	12/9/2015	306.71	35.22	271.49
MW-10	12/13/2016	306.71	34.41	272.30
MW-10	3/13/2017	306.71	33.15	273.56
MW-10	7/17/2017	306.71	32.34	274.37
MW-10	10/20/2017	306.71	33.82	272.89
MW-10	1/24/2018	306.71	33.82	272.89
MW-10	4/17/2018	306.71	33.30	273.41
MW-10	7/18/2018	306.71	33.55	273.16
MW-10	10/15/2018	306.71	34.66	272.05
MW-10	5/21/2019	306.71	34.62	272.09
MW-10	10/24/2019	306.71	35.62	271.09
MW-10	12/7/2021	306.71	35.32	271.39
MW-10	6/20/2024	306.71	34.65	272.06
MW-10	12/16/2024	306.71	36.15	270.56
MW-11	2/11/2011	307.63	35.01	272.62
MW-11	5/30/2011	307.63	33.63	274.00
MW-11	7/19/2011	307.63	33.97	273.66
MW-11	10/17/2011	307.63	35.05	272.58
MW-11	4/2/2012	307.63	35.29	272.34
MW-11	5/28/2013	307.85	34.98	272.87
MW-11	10/21/2014	307.62	35.78	271.84
MW-11	12/9/2015	307.62	36.16	271.46
MW-11	12/13/2016	307.62	35.33	272.29
MW-11	3/13/2017	307.62	34.11	273.51
MW-11	7/17/2017	307.62	33.25	274.37
MW-11	10/20/2017	307.62	34.74	272.88
MW-11	1/24/2018	307.62	34.77	272.85
MW-11	4/17/2018	307.62	34.21	273.41
MW-11	7/18/2018	307.62	34.45	273.17
MW-11	10/19/2018	307.62	35.61	272.01
MW-11	5/21/2019	307.62	35.55	272.07
MW-11	10/24/2019	307.62	36.53	271.09
MW-11	12/7/2021	307.62	36.27	271.35
MW-11	6/20/2024	307.62	35.61	272.01
MW-11	12/16/2024	307.62	37.11	270.51

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
MW-12	4/2/2012	312.92	39.69	273.23
MW-12	5/28/2013	312.95	39.40	273.55
MW-12	10/21/2014	312.80	40.20	272.60
MW-12	12/9/2015	312.80	40.59	272.21
MW-12	12/13/2016	312.80	39.70	273.10
MW-12	3/13/2017	312.80	38.39	274.41
MW-12	7/17/2017	312.80	37.47	275.33
MW-12	10/20/2017	312.80	39.01	273.79
MW-12	1/24/2018	312.80	39.01	273.79
MW-12	4/17/2018	312.80	38.49	274.31
MW-12	7/18/2018	312.80	38.75	274.05
MW-12	10/15/2018	312.80	39.94	272.86
MW-12	10/24/2019	312.80	40.96	271.84
MW-13	4/2/2012	308.88	36.04	272.84
MW-13	5/28/2013	308.90	35.82	273.08
MW-13	10/21/2014	308.75	36.66	272.09
MW-13	12/9/2015	308.75	37.00	271.75
MW-13	12/13/2016	308.75	36.13	272.62
MW-13	3/13/2017	308.75	34.78	273.97
MW-13	7/17/2017	308.75	33.99	274.76
MW-13	10/20/2017	308.75	35.45	273.30
MW-13	1/24/2018	308.75	35.45	273.30
MW-13	4/17/2018	308.75	34.98	273.77
MW-13	7/18/2018	308.75	35.24	273.51
MW-13	10/15/2018	308.75	36.40	272.35
MW-13	10/24/2019	308.75	38.40	270.35
MW-14	4/2/2012	303.78	31.84	271.94
MW-14	5/28/2013	303.82	31.57	272.25
MW-14	10/21/2014	303.82	32.34	271.48
MW-14	12/11/2015	303.82	32.65	271.17
MW-14	12/13/2016	303.82	31.90	271.92
MW-14	3/13/2017	303.82	30.73	273.09
MW-14	7/17/2017	303.82	29.94	273.88
MW-14	10/20/2017	303.82	31.36	272.46
MW-14	1/24/2018	303.82	31.33	272.49
MW-14	4/17/2018	303.82	30.84	272.98
MW-14	10/15/2018	303.82	32.14	271.68
MW-14	10/24/2019	303.82	33.08	270.74

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
MW-15	4/2/2012	312.40	39.92	272.48
MW-15	5/28/2013	312.44	39.55	272.89
MW-15	4/14/2014	312.44	39.97	272.47
MW-15	10/21/2014	312.44	40.31	272.13
MW-15	12/9/2015	312.44	40.77	271.67
MW-15	12/13/2016	312.44	39.90	272.54
MW-15	3/13/2017	312.44	38.72	273.72
MW-15	7/17/2017	312.44	37.77	274.67
MW-15	10/20/2017	312.44	39.25	273.19
MW-15	1/24/2018	312.44	39.31	273.13
MW-15	4/17/2018	312.44	38.75	273.69
MW-15	7/18/2018	312.44	38.99	273.45
MW-15	10/15/2018	312.44	40.08	272.36
MW-15	10/24/2019	312.44	41.05	271.39
MW-16	5/28/2013	310.37	37.78	272.59
MW-16	10/21/2014	310.37	38.52	271.85
MW-16	12/9/2015	310.37	38.96	271.41
MW-16	12/13/2016	310.37	38.12	272.25
MW-16	3/13/2017	310.37	36.92	273.45
MW-16	7/17/2017	310.37	36.04	274.33
MW-16	10/20/2017	310.37	37.50	272.87
MW-16	1/24/2018	310.37	37.53	272.84
MW-16	4/17/2018	310.37	36.99	273.38
MW-16	7/18/2018	310.37	37.20	273.17
MW-16	10/15/2018	310.37	38.31	272.06
MW-16	10/24/2019	310.37	39.20	271.17
MW-17	3/6/2019	303.00	32.33	270.67
MW-17	10/24/2019	303.01	33.10	269.91
MW-17	6/3/2020	303.01	31.88	271.13
MW-17	12/10/2021	303.01	32.78	270.23
MW-17	6/20/2024	303.01	32.22	270.79
MW-17	9/23/2024	303.01	33.00	270.01
MW-17	12/16/2024	303.01	33.57	269.44
MW-18	3/6/2019	305.26	34.55	270.71
MW-18	10/24/2019	305.26	35.25	270.01
MW-18	12/10/2021	305.26	35.01	270.25
MW-18	6/20/2024	305.26	34.41	270.85
MW-18	9/23/2024	305.26	35.20	270.06
MW-18	12/16/2024	305.26	35.73	269.53
MW-19	10/24/2019	305.35	35.09	270.26
MW-19	12/4/2019	305.35	35.36	269.99
MW-20	10/24/2019	305.51	35.22	270.29
MW-20	12/4/2019	305.51	35.49	270.02
MW-20	6/3/2020	305.51	34.02	271.49
MW-20	12/8/2021	305.51	34.98	270.53
MW-20	6/20/2024	305.51	34.31	271.20
MW-20	9/23/2024	305.51	35.16	270.35
MW-20	12/16/2024	305.51	35.74	269.77
MW-21	9/23/2024	305.58	35.18	270.40
MW-21	12/16/2024	305.58	35.76	269.82
MW-22	9/23/2024	306.40	35.85	270.55
MW-22	12/16/2024	306.40	36.43	269.97

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-1	11/14/2000	312.46	40.29	272.17
DC-1	3/6/2001	312.46	41.11	271.35
DC-1	6/20/2001	312.46	41.46	271.00
DC-1	9/17/2001	312.46	41.78	270.68
DC-1	12/20/2001	312.46	41.43	271.03
DC-1	3/13/2002	312.46	39.75	272.71
DC-1	9/17/2002	312.46	39.75	272.71
DC-1	12/10/2002	312.46	40.69	271.77
DC-1	3/31/2003	312.46	40.33	272.13
DC-1	9/3/2003	312.46	40.69	271.77
DC-1	3/16/2004	312.46	39.77	272.69
DC-1	9/7/2004	312.46	40.57	271.89
DC-1	2/9/2005	312.46	41.31	271.15
DC-1	4/24/2007	312.46	38.29	274.17
DC-1	8/21/2008	312.72	40.93	271.79
DC-1	11/5/2010	312.72	40.64	272.08
DC-1	2/11/2011	312.72	39.37	273.35
DC-1	5/30/2011	312.72	37.91	274.81
DC-1	7/19/2011	312.72	38.21	274.51
DC-1	10/17/2011	312.72	39.37	273.35
DC-1	4/2/2012	312.72	39.72	273.00
DC-1	5/28/2013	312.82	39.30	273.52
DC-1	10/21/2014	312.82	40.05	272.77
DC-1	12/9/2015	312.82	40.51	272.31
DC-1	12/13/2016	312.82	39.63	273.19
DC-1	3/13/2017	312.82	38.46	274.36
DC-1	7/17/2017	312.82	37.40	275.42
DC-1	10/20/2017	312.82	39.26	273.56
DC-1	1/24/2018	312.82	39.02	273.80
DC-1	4/17/2018	312.82	38.43	274.39
DC-1	10/15/2018	312.82	39.80	273.02
DC-1	10/24/2019	312.82	40.84	271.98

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-2	2/3/1999	312.80	39.04	273.76
DC-2	4/16/1999	312.80	36.90	275.90
DC-2	12/8/1999	312.80	39.88	272.92
DC-2	4/26/2000	312.80	39.11	273.69
DC-2	8/3/2000	312.80	39.85	272.95
DC-2	11/14/2000	312.80	41.04	271.76
DC-2	3/6/2001	312.80	41.82	270.98
DC-2	6/20/2001	312.80	42.18	270.62
DC-2	9/17/2001	312.80	42.50	270.30
DC-2	12/20/2001	312.80	42.12	270.68
DC-2	3/13/2002	312.80	40.45	272.35
DC-2	6/13/2002	312.80	39.64	273.16
DC-2	9/17/2002	312.80	40.50	272.30
DC-2	12/10/2002	312.80	41.42	271.38
DC-2	3/31/2003	312.80	41.03	271.77
DC-2	9/3/2003	312.80	41.41	271.39
DC-2	3/16/2004	312.80	40.51	272.29
DC-2	9/7/2004	312.80	41.30	271.50
DC-2	2/9/2005	312.80	41.99	270.81
DC-2	4/24/2007	312.80	39.03	273.77
DC-2	8/21/2008	313.04	41.65	271.39
DC-2	11/5/2010	313.04	41.34	271.70
DC-2	2/11/2011	313.04	40.08	272.96
DC-2	5/30/2011	313.04	38.67	274.37
DC-2	7/19/2011	313.04	38.98	274.06
DC-2	10/17/2011	313.04	40.08	272.96
DC-2	4/2/2012	313.04	40.41	272.63
DC-2	10/21/2014	312.92	40.78	272.14
DC-2	12/9/2015	312.92	41.22	271.70
DC-2	12/13/2016	312.92	40.36	272.56
DC-2	3/13/2017	312.92	39.19	273.73
DC-2	7/17/2017	312.92	38.20	274.72
DC-2	10/20/2017	312.92	39.71	273.21
DC-2	1/24/2018	312.92	39.76	273.16
DC-2	4/17/2018	312.92	39.20	273.72
DC-2	7/18/2018	312.92	39.42	273.50
DC-2	10/15/2018	312.92	40.53	272.39
DC-2	10/24/2019	312.92	41.53	271.39

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-3	10/21/1998	312.98	39.68	273.30
DC-3	2/3/1999	312.98	39.22	273.76
DC-3	4/16/1999	312.98	37.13	275.85
DC-3	12/8/1999	312.98	40.10	272.88
DC-3	4/26/2000	312.98	39.33	273.65
DC-3	8/3/2000	312.98	40.08	272.90
DC-3	11/14/2000	312.98	41.27	271.71
DC-3	3/6/2001	312.98	42.05	270.93
DC-3	6/20/2001	312.98	42.37	270.61
DC-3	9/17/2001	312.98	42.73	270.25
DC-3	12/20/2001	312.98	42.30	270.68
DC-3	3/13/2002	312.98	40.66	272.32
DC-3	6/13/2002	312.98	39.87	273.11
DC-3	9/17/2002	312.98	40.75	272.23
DC-3	12/10/2002	312.98	41.65	271.33
DC-3	3/31/2003	312.98	41.25	271.73
DC-3	9/3/2003	312.98	41.65	271.33
DC-3	3/16/2004	312.98	40.71	272.27
DC-3	9/7/2004	312.98	41.54	271.44
DC-3	2/9/2005	312.98	42.21	270.77
DC-3	4/24/2007	312.98	39.26	273.72
DC-3	8/21/2008	313.23	41.89	271.34
DC-3	11/5/2010	313.23	41.58	271.65
DC-3	2/11/2011	313.23	40.30	272.93
DC-3	5/30/2011	313.23	38.89	274.34
DC-3	7/19/2011	313.23	39.22	274.01
DC-3	10/17/2011	313.23	40.34	272.89
DC-3	4/2/2012	313.23	40.62	272.61
DC-3	10/21/2014	313.11	41.07	272.04
DC-3	12/9/2015	313.11	41.47	271.64
DC-3	12/13/2016	313.11	40.59	272.52
DC-3	3/13/2017	313.11	39.39	273.72
DC-3	7/17/2017	313.11	38.44	274.67
DC-3	10/20/2017	313.11	39.94	273.17
DC-3	1/24/2018	313.11	39.98	273.13
DC-3	4/17/2018	313.11	39.47	273.64
DC-3	7/18/2018	313.11	39.67	273.44
DC-3	10/15/2018	313.11	40.80	272.31
DC-3	10/24/2019	313.11	41.78	271.33

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-4	10/21/1998	312.20	39.96	272.24
DC-4	2/3/1999	312.20	38.37	273.83
DC-4	4/16/1999	312.20	36.34	275.86
DC-4	12/8/1999	312.20	39.32	272.88
DC-4	4/26/2000	312.20	38.55	273.65
DC-4	8/3/2000	312.20	39.33	272.87
DC-4	11/14/2000	312.20	40.52	271.68
DC-4	3/6/2001	312.20	41.29	270.91
DC-4	6/20/2001	312.20	41.60	270.60
DC-4	9/17/2001	312.20	41.89	270.31
DC-4	12/20/2001	312.20	41.49	270.71
DC-4	3/13/2002	312.20	39.86	272.34
DC-4	6/13/2002	312.20	39.11	273.09
DC-4	9/17/2002	312.20	40.00	272.20
DC-4	12/10/2002	312.20	40.92	271.28
DC-4	3/31/2003	312.20	40.44	271.76
DC-4	9/3/2003	312.20	40.88	271.32
DC-4	3/16/2004	312.20	39.94	272.26
DC-4	9/7/2004	312.20	40.81	271.39
DC-4	2/9/2005	312.20	41.42	270.78
DC-4	4/24/2007	312.20	38.50	273.70
DC-4	8/21/2008	312.12	41.13	270.99
DC-4	11/5/2010	312.12	40.81	271.31
DC-4	2/11/2011	312.12	39.51	272.61
DC-4	5/30/2011	312.12	38.13	273.99
DC-4	7/19/2011	312.12	38.48	273.64
DC-4	10/17/2011	312.12	39.57	272.55
DC-4	4/2/2012	312.12	38.82	273.30
DC-4	5/28/2013	312.56	39.50	273.06
DC-4	10/21/2014	312.35	40.34	272.01
DC-4	12/9/2015	312.35	40.34	272.01
DC-4	12/13/2016	312.35	39.84	272.51
DC-4	3/13/2017	312.35	38.59	273.76
DC-4	7/17/2017	312.35	37.70	274.65
DC-4	10/20/2017	312.35	39.50	272.85
DC-4	1/24/2018	312.35	39.21	273.14
DC-4	4/18/2018	312.35	38.61	273.74
DC-4	7/18/2018	312.35	38.95	273.40
DC-4	10/15/2018	312.35	40.16	272.19
DC-4	10/24/2019	312.35	41.05	271.30
DC-4	12/7/2021	312.35	40.76	271.59
DC-4	6/20/2024	312.35	40.14	272.21
DC-4	9/23/2024	312.35	41.00	271.35
DC-4	12/16/2024	312.35	41.62	270.73

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-5	2/3/1999	305.86	32.48	273.38
DC-5	4/16/1999	305.86	30.46	275.40
DC-5	4/11/2006	305.86	33.74	272.12
DC-5	4/24/2007	306.10	32.56	273.54
DC-5	8/21/2008	306.10	35.15	270.95
DC-5	11/5/2010	306.10	34.86	271.24
DC-5	2/11/2011	306.10	33.59	272.51
DC-5	5/30/2011	306.10	32.23	273.87
DC-5	7/19/2011	306.10	32.58	273.52
DC-5	10/17/2011	306.10	33.65	272.45
DC-5	4/2/2012	306.10	33.86	272.24
DC-5	5/28/2013	306.25	33.60	272.65
DC-5	10/15/2018	306.25	34.15	272.10
DC-6	2/3/1999	308.46	35.03	273.43
DC-6	4/16/1999	308.46	32.92	275.54

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-7	2/3/1999	302.50	29.89	272.61
DC-7	4/16/1999	302.50	28.05	274.45
DC-7	12/8/1999	302.50	30.76	271.74
DC-7	4/26/2000	302.50	30.12	272.38
DC-7	8/3/2000	302.50	30.84	271.66
DC-7	11/14/2000	302.50	31.90	270.60
DC-7	3/6/2001	302.50	32.60	269.90
DC-7	6/20/2001	302.50	32.91	269.59
DC-7	9/17/2001	302.50	33.25	269.25
DC-7	12/20/2001	302.50	32.75	269.75
DC-7	3/13/2002	302.50	31.22	271.28
DC-7	6/13/2002	302.50	30.57	271.93
DC-7	9/17/2002	302.50	31.44	271.06
DC-7	12/10/2002	302.50	32.27	270.23
DC-7	3/31/2003	302.50	31.78	270.72
DC-7	9/3/2003	302.50	32.26	270.24
DC-7	2/9/2005	302.50	32.67	269.83
DC-7	4/11/2006	302.50	31.05	271.45
DC-7	10/26/2006	302.50	32.58	269.92
DC-7	4/24/2007	302.50	29.96	272.54
DC-7	8/21/2008	302.78	32.48	270.30
DC-7	11/5/2010	302.78	32.15	270.63
DC-7	2/11/2011	302.78	30.91	271.87
DC-7	5/30/2011	302.78	29.68	273.10
DC-7	7/19/2011	302.78	30.03	272.75
DC-7	10/17/2011	302.78	31.04	271.74
DC-7	4/2/2012	302.78	31.12	271.66
DC-7	5/28/2013	302.88	30.94	271.94
DC-7	10/21/2014	302.61	31.71	270.90
DC-7	12/16/2015	302.61	31.79	270.82
DC-7	12/13/2016	302.61	31.19	271.42
DC-7	3/13/2017	302.61	30.03	272.58
DC-7	7/17/2017	302.61	29.37	273.24
DC-7	10/20/2017	302.61	30.51	272.10
DC-7	1/24/2018	302.61	30.69	271.92
DC-7	4/17/2018	302.61	30.19	272.42
DC-7	7/18/2018	302.61	30.48	272.13
DC-7	10/15/2018	302.61	31.52	271.09
DC-7	10/24/2019	302.61	32.42	270.19
DC-7	5/11/2021	302.61	31.15	271.46
DC-7	12/8/2021	302.61	32.07	270.54
DC-7	6/20/2024	302.61	31.53	271.08
DC-7	9/23/2024	302.61	32.33	270.28
DC-7	12/16/2024	302.61	32.88	269.73

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-8	2/3/1999	306.09	33.45	272.64
DC-8	4/16/1999	306.09	31.43	274.66
DC-8	12/8/1999	306.09	34.27	271.82
DC-8	4/26/2000	306.09	33.55	272.54
DC-8	8/3/2000	306.09	34.26	271.83
DC-8	11/14/2000	306.09	35.37	270.72
DC-8	3/6/2001	306.09	36.11	269.98
DC-8	6/20/2001	306.09	36.45	269.64
DC-8	9/17/2001	306.09	36.75	269.34
DC-8	12/20/2001	306.09	36.40	269.69
DC-8	3/13/2002	306.09	34.82	271.27
DC-8	6/13/2002	306.09	34.05	272.04
DC-8	9/17/2002	306.09	34.85	271.24
DC-8	12/10/2002	306.09	35.74	270.35
DC-8	3/31/2003	306.09	35.71	270.38
DC-8	9/3/2003	306.09	35.73	270.36
DC-8	2/9/2005	306.09	36.26	269.83
DC-8	4/11/2006	306.09	34.60	271.49
DC-8	10/26/2006	306.09	36.00	270.09
DC-8	4/24/2007	306.11	33.47	272.64
DC-8	11/5/2010	306.38	35.69	270.69
DC-8	2/11/2011	306.38	34.49	271.89
DC-8	5/30/2011	306.38	33.15	273.23
DC-8	7/19/2011	306.38	33.46	272.92
DC-8	10/17/2011	306.38	34.51	271.87
DC-8	4/2/2012	306.38	34.77	271.61
DC-8	5/28/2013	306.46	34.45	272.01
DC-8	10/21/2014	306.46	35.17	271.29
DC-8	12/9/2015	306.23	35.58	270.65
DC-8	12/13/2016	306.23	34.71	271.52
DC-8	3/13/2017	306.23	33.65	272.58
DC-8	7/17/2017	306.23	32.75	273.48
DC-8	10/20/2017	306.23	34.14	272.09
DC-8	1/24/2018	306.23	34.21	272.02
DC-8	4/17/2018	306.23	33.64	272.59
DC-8	7/18/2018	306.23	33.92	272.31
DC-8	10/15/2018	306.23	34.94	271.29
DC-8	10/29/2019	306.23	36.03	270.20
DC-8	12/8/2021	306.23	35.69	270.54
DC-8	6/20/2024	306.23	35.00	271.23
DC-8	9/23/2024	306.23	35.83	270.40
DC-8	12/16/2024	306.23	36.42	269.81
DC-9A	4/16/1999	307.76	32.19	275.57
DC-9A	12/8/1999	307.76	35.03	272.73
DC-9A	4/26/2000	307.76	34.35	273.41
DC-9A	8/3/2000	307.76	35.11	272.65
DC-9A	11/14/2000	307.76	36.30	271.46
DC-9A	4/11/2006	307.76	35.45	272.31
DC-9A	8/8/2006	307.76	36.25	271.51
DC-9A	11/2/2006	307.76	36.90	270.86
DC-9A	4/24/2007	307.75	34.30	273.45
DC-9A	8/21/2008	308.02	36.92	271.10

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-9B	4/16/1999	307.91	32.34	275.57
DC-9B	3/6/2001	307.91	37.22	270.69
DC-9B	6/20/2001	307.91	37.52	270.39
DC-9B	9/17/2001	307.91	37.87	270.04
DC-9B	12/20/2001	307.91	37.45	270.46
DC-9B	4/11/2006	307.91	35.65	272.26
DC-9B	8/8/2006	307.91	36.40	271.51
DC-9B	10/26/2006	307.91	37.15	270.76
DC-9B	4/24/2007	307.94	34.45	273.49
DC-9B	8/21/2008	308.16	37.05	271.11
DC-10A	4/16/1999	307.59	31.85	275.74
DC-10A	12/8/1999	307.59	34.82	272.77
DC-10A	4/26/2000	307.59	34.05	273.54
DC-10A	8/3/2000	307.59	34.86	272.73
DC-10A	11/14/2000	307.59	36.05	271.54
DC-10A	2/11/2011	307.72	34.99	272.73
DC-10A	5/30/2011	307.72	33.65	274.07
DC-10A	7/19/2011	307.72	34.07	273.65
DC-10A	10/17/2011	307.72	35.12	272.60
DC-10A	4/2/2012	307.72	35.23	272.49
DC-10A	5/28/2013	307.93	35.04	272.89
DC-10A	10/21/2014	307.73	35.83	271.90
DC-10A	12/9/2015	307.73	36.19	271.54
DC-10A	12/13/2016	307.73	35.35	272.38
DC-10A	3/13/2017	307.73	34.09	273.64
DC-10A	7/17/2017	307.73	33.29	274.44
DC-10A	10/20/2017	307.73	34.79	272.94
DC-10A	1/24/2018	307.73	34.72	273.01
DC-10A	4/17/2018	307.73	34.23	273.50
DC-10A	4/17/2018	307.73	34.23	273.50
DC-10A	7/18/2018	307.73	34.50	273.23
DC-10A	10/15/2018	307.73	36.12	271.61
DC-10A	10/24/2019	307.73	36.48	271.25
DC-10A	12/7/2021	307.73	36.26	271.47
DC-10A	6/20/2024	307.73	35.61	272.12
DC-10A	12/16/2024	307.73	39.02	268.71
DC-10B	4/16/1999	307.66	31.92	275.74
DC-10B	3/6/2001	307.66	36.89	270.77
DC-10B	6/20/2001	307.66	37.46	270.20
DC-10B	9/17/2001	307.66	37.55	270.11
DC-10B	12/20/2001	307.66	37.03	270.63
DC-10B	2/9/2005	307.66	36.98	270.68
DC-10B	4/11/2006	307.66	35.24	272.42
DC-10B	4/24/2007	307.66	34.08	273.58
DC-10B	8/21/2008	307.89	36.74	271.15
DC-10B	11/5/2010	307.89	36.40	271.49
DC-10B	2/11/2011	307.89	35.06	272.83
DC-10B	5/30/2011	307.89	33.72	274.17
DC-10B	7/19/2011	307.89	34.09	273.80
DC-10B	10/17/2011	307.89	35.15	272.74
DC-10B	4/2/2012	307.89	35.34	272.55
DC-10B	12/13/2016	307.89	35.45	272.44
DC-10B	10/15/2018	307.89	35.70	272.19

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-11	4/24/2007	311.02	37.29	273.73
DC-11	11/5/2010	311.02	39.59	271.43
DC-11	2/11/2011	311.02	38.36	272.66
DC-11	5/30/2011	311.02	36.91	274.11
DC-11	4/2/2012	311.02	38.67	272.35
DC-11	4/14/2014	311.25	38.73	272.52
DC-11	10/21/2014	311.25	39.00	272.25
DC-11	12/9/2015	311.25	39.48	271.77
DC-11	12/13/2016	311.25	38.56	272.69
DC-11	3/13/2017	311.25	37.49	273.76
DC-11	7/17/2017	311.25	36.43	274.82
DC-11	10/20/2017	311.25	37.66	273.59
DC-11	1/24/2018	311.25	38.00	273.25
DC-11	4/17/2018	311.25	37.40	273.85
DC-11	7/18/2018	311.25	37.63	273.62
DC-11	10/15/2018	311.25	38.74	272.51
DC-11	10/24/2019	311.25	39.73	271.52
DC-12	4/24/2007	310.90	37.54	273.36
DC-12	8/21/2008	310.90	40.05	270.85
DC-12	11/5/2010	310.90	39.79	271.11
DC-12	2/11/2011	310.90	38.60	272.30
DC-12	5/30/2011	310.90	37.17	273.73
DC-12	7/19/2011	310.90	37.45	273.45
DC-12	10/17/2011	310.90	38.54	272.36
DC-12	4/2/2012	310.90	38.91	271.99
DC-12	5/28/2013	311.25	38.50	272.75
DC-12	4/14/2014	311.25	38.93	272.32
DC-12	10/27/2014	311.25	39.23	272.02
DC-12	12/9/2015	311.25	39.70	271.55
DC-12	12/13/2016	311.25	38.80	272.45
DC-12	3/13/2017	311.25	37.72	273.53
DC-12	7/17/2017	311.25	36.71	274.54
DC-12	10/20/2017	311.25	38.20	273.05
DC-12	1/24/2018	311.25	38.24	273.01
DC-12	4/17/2018	311.25	37.67	273.58
DC-12	7/19/2018	311.25	37.90	273.35
DC-12	10/15/2018	311.25	38.94	272.31
DC-12	10/25/2019	311.25	39.95	271.30

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-13	4/24/2007	310.85	36.64	274.21
DC-13	8/21/2008	310.85	39.13	271.72
DC-13	11/5/2010	310.85	38.88	271.97
DC-13	2/11/2011	310.85	37.68	273.17
DC-13	5/30/2011	310.85	36.28	274.57
DC-13	7/19/2011	310.85	36.57	274.28
DC-13	10/17/2011	310.85	37.65	273.20
DC-13	4/2/2012	310.85	38.01	272.84
DC-13	5/28/2013	310.20	37.61	272.59
DC-13	4/14/2014	310.20	38.02	272.18
DC-13	10/27/2014	310.20	38.37	271.83
DC-13	12/9/2015	310.20	38.37	271.83
DC-13	12/13/2016	310.20	37.89	272.31
DC-13	3/13/2017	310.20	36.82	273.38
DC-13	7/17/2017	310.20	37.82	272.38
DC-13	10/20/2017	310.20	37.26	272.94
DC-13	1/24/2018	310.20	37.33	272.87
DC-13	4/17/2018	310.20	36.77	273.43
DC-13	7/18/2018	310.20	36.97	273.23
DC-13	10/15/2018	310.20	38.06	272.14
DC-13	10/24/2019	310.20	39.05	271.15
DC-14	4/24/2007	308.60	36.15	272.45
DC-14	8/21/2008	308.60	38.59	270.01
DC-14	11/5/2010	308.60	38.34	270.26
DC-14	2/11/2011	308.60	37.18	271.42
DC-14	5/30/2011	308.60	35.83	272.77
DC-14	7/19/2011	308.60	36.12	272.48
DC-14	10/17/2011	308.60	37.14	271.46
DC-14	4/2/2012	308.60	37.49	271.11
DC-14	5/28/2013	308.94	37.10	271.84
DC-14	10/21/2014	308.94	37.77	271.17
DC-14	12/9/2015	308.94	38.23	270.71
DC-14	12/13/2016	308.94	37.40	271.54
DC-14	3/13/2017	308.94	36.38	272.56
DC-14	7/17/2017	308.94	35.40	273.54
DC-14	10/20/2017	308.94	36.78	272.16
DC-14	1/24/2018	308.94	36.84	272.10
DC-14	4/17/2018	308.94	36.31	272.63
DC-14	7/18/2018	308.94	36.51	272.43
DC-14	10/15/2018	308.94	Well Missing	Decomissioned 3/2019

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-15	4/24/2007	307.54	34.64	272.90
DC-15	11/5/2010	307.54	36.93	270.61
DC-15	2/11/2011	307.54	35.68	271.86
DC-15	5/30/2011	307.54	34.32	273.22
DC-15	7/19/2011	307.54	34.62	272.92
DC-15	10/17/2011	307.54	35.68	271.86
DC-15	4/2/2012	307.54	35.94	271.60
DC-15	5/28/2013	307.89	35.61	272.28
DC-15	4/14/2014	307.89	36.02	271.87
DC-15	10/21/2014	307.89	36.35	271.54
DC-15	12/9/2015	307.89	36.79	271.10
DC-15	12/13/2016	307.89	35.91	271.98
DC-15	3/13/2017	307.89	34.82	273.07
DC-15	7/17/2017	307.89	33.91	273.98
DC-15	10/20/2017	307.89	34.31	273.58
DC-15	1/24/2018	307.89	35.40	272.49
DC-15	4/17/2018	307.89	34.81	273.08
DC-15	7/18/2018	307.89	35.08	272.81
DC-15	10/16/2018	307.89	36.12	271.77
DC-15	10/24/2019	307.89	37.10	270.79
DC-15	12/8/2021	307.89	36.90	270.99
DC-15	6/20/2024	307.89	36.22	271.67
DC-15	9/23/2024	307.89	37.02	270.87
DC-15	12/16/2024	307.89	37.64	270.25
DC-16	4/24/2007	307.12	33.81	273.31
DC-16	8/21/2008	307.12	36.41	270.71
DC-16	11/5/2010	307.12	36.10	271.02
DC-16	2/11/2011	307.12	34.85	272.27
DC-16	5/30/2011	307.12	33.48	273.64
DC-16	7/19/2011	307.12	33.83	273.29
DC-16	10/17/2011	307.12	34.91	272.21
DC-16	4/2/2012	307.12	35.14	271.98
DC-16	12/13/2016	307.12	35.15	271.97
DC-16	3/13/2017	307.12	34.80	272.32
DC-16	10/15/2018	307.12	35.37	271.75
DC-17	4/24/2007	304.89	31.65	273.24
DC-17	5/28/2013	305.16	32.65	272.51
DC-17	10/21/2014	305.16	33.44	271.72
DC-17	12/16/2015	305.16	33.58	271.58
DC-17	3/13/2017	305.16	31.80	273.36
DC-17	7/17/2017	305.16	---	---
DC-17	10/20/2017	305.16	32.51	272.65
DC-17	1/24/2018	305.16	32.42	272.74
DC-17	4/17/2018	305.16	31.94	273.22
DC-17	7/18/2018	305.16	32.18	272.98
DC-17	10/15/2018	305.16	33.24	271.92
DC-17	5/21/2019	305.16	33.21	271.95
DC-17	10/24/2019	305.16	34.20	270.96
DC-17	12/8/2021	305.16	33.98	271.18
DC-17	12/16/2024	305.16	Unable to locate	---

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
DC-18	4/24/2007	309.37	36.10	273.27
DC-18	5/28/2013	309.64	37.05	272.59
DC-18	10/21/2014	309.51	37.81	271.70
DC-18	12/9/2015	309.51	38.26	271.25
DC-18	12/13/2016	309.51	37.35	272.16
DC-18	3/13/2017	309.51	36.26	273.25
DC-18	7/17/2017	309.51	35.28	274.23
DC-18	10/20/2017	309.51	36.73	272.78
DC-18	1/24/2018	309.51	36.81	272.70
DC-18	4/17/2018	309.51	36.24	273.27
DC-18	7/18/2018	309.51	36.46	273.05
DC-18	10/15/2018	309.51	37.54	271.97
DC-18	10/24/2019	309.51	38.52	270.99
DC-18	12/7/2021	309.51	38.36	271.15
DC-19	8/21/2008	313.53	42.02	271.51
DC-19	11/5/2010	313.53	41.75	271.78
DC-19	2/11/2011	313.53	40.52	273.01
DC-19	5/30/2011	313.53	39.06	274.47
DC-19	7/19/2011	313.53	39.36	274.17
DC-19	10/17/2011	313.53	40.47	273.06
DC-19	4/2/2012	313.53	40.85	272.68
DC-19	5/28/2013	313.62	40.40	273.22
DC-19	12/9/2015	313.62	41.66	271.96
DC-19	12/13/2016	313.62	40.73	272.89
DC-19	3/13/2017	313.62	39.65	273.97
DC-19	7/17/2017	313.62	38.57	275.05
DC-19	10/20/2017	313.62	40.07	273.55
DC-19	1/24/2018	313.62	40.16	273.46
DC-19	4/17/2018	313.62	39.57	274.05
DC-19	7/18/2018	313.62	39.78	273.84
DC-19	10/15/2018	313.62	40.90	272.72
DC-19	10/29/2019	313.62	42.03	271.59
DC-20	6/2/2008	---	39.46	---
DC-20	5/28/2013	310.92	38.42	272.50
DC-20	4/14/2014	310.92	38.86	272.06
DC-20	10/21/2014	310.92	39.12	271.80
DC-20	12/15/2015	310.92	39.44	271.48
DC-20	12/13/2016	310.92	38.69	272.23
DC-20	3/13/2017	310.92	37.65	273.27
DC-20	7/17/2017	310.92	36.64	274.28
DC-20	10/20/2017	310.92	38.08	272.84
DC-20	1/24/2018	310.92	38.17	272.75
DC-20	4/17/2018	310.92	37.59	273.33
DC-20	10/15/2018	310.92	38.87	272.05
DC-20	10/25/2019	310.92	39.85	271.07
DC-20	12/7/2021	310.92	39.71	271.21

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
KMW-1	4/24/2007	311.21	38.15	273.06
KMW-1	8/21/2008	311.21	40.60	270.61
KMW-1	11/5/2010	311.21	40.37	270.84
KMW-1	2/11/2011	311.21	39.19	272.02
KMW-1	5/30/2011	311.21	37.79	273.42
KMW-1	7/19/2011	311.21	38.06	273.15
KMW-1	10/17/2011	311.21	39.13	272.08
KMW-1	4/2/2012	311.21	39.50	271.71
KMW-1	5/28/2013	311.59	39.08	272.51
KMW-1	10/21/2014	311.59	39.81	271.78
KMW-1	12/9/2015	311.59	40.29	271.30
KMW-1	12/13/2016	311.59	39.36	272.23
KMW-1	3/13/2017	311.59	38.34	273.25
KMW-1	7/17/2017	311.59	37.31	274.28
KMW-1	10/20/2017	311.59	38.85	272.74
KMW-1	1/24/2018	311.59	38.83	272.76
KMW-1	4/17/2018	311.59	38.27	273.32
KMW-1	7/18/2018	311.59	38.47	273.12
KMW-1	10/15/2018	311.59	39.55	272.04
KMW-1	10/24/2019	311.59	40.55	271.04
KMW-2	4/24/2007	306.90	33.33	273.57
KMW-2	8/21/2008	306.90	35.96	270.94
KMW-2	11/5/2010	306.90	34.59	272.31
KMW-2	2/11/2011	306.90	34.32	272.58
KMW-2	5/30/2011	306.90	32.96	273.94
KMW-2	7/19/2011	306.90	33.30	273.60
KMW-2	10/17/2011	306.90	34.39	272.51
KMW-2	4/2/2012	306.90	34.59	272.31
KMW-2	5/28/2013	307.25	34.30	272.95
KMW-2	10/21/2014	307.04	35.14	271.90
KMW-2	12/9/2015	307.04	35.51	271.53
KMW-2	12/13/2016	307.04	34.70	272.34
KMW-2	3/13/2017	307.04	33.42	273.62
KMW-2	7/17/2017	307.04	32.60	274.44
KMW-2	10/20/2017	307.04	34.02	273.02
KMW-2	1/24/2018	307.04	34.11	272.93
KMW-2	4/17/2018	307.04	33.56	273.48
KMW-2	7/18/2018	307.04	33.80	273.24
KMW-2	10/15/2018	307.04	34.92	272.12
KMW-2	10/24/2019	307.04	35.90	271.14
KMW-2	12/7/2021	307.04	35.61	271.43

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
KMW-3	4/24/2007	296.92	24.51	272.41
KMW-3	8/21/2008	296.92	27.01	269.91
KMW-3	11/5/2010	296.92	26.37	270.55
KMW-3	5/30/2011	296.92	24.22	272.70
KMW-3	7/19/2011	296.92	24.61	272.31
KMW-3	10/17/2011	296.92	25.58	271.34
KMW-3	4/2/2012	296.92	25.59	271.33
KMW-3	10/21/2014	296.92	26.25	270.67
KMW-3	12/13/2016	296.92	25.69	271.23
KMW-3	3/13/2017	296.92	24.33	272.59
KMW-3	7/17/2017	296.92	23.99	272.93
KMW-3	10/20/2017	296.92	25.35	271.57
KMW-3	1/24/2018	296.92	25.16	271.76
KMW-3	4/17/2018	296.92	24.69	272.23
KMW-3	7/18/2018	296.92	25.04	271.88
KMW-3	10/15/2018	296.92	26.09	270.83
KMW-3	10/25/2019	296.99	26.96	270.03
KMW-3	12/9/2021	296.99	26.53	270.46
KMW-3	6/20/2024	296.99	26.05	270.94
KMW-3	9/23/2024	296.99	27.69	269.30
KMW-3	12/16/2024	296.99	27.42	269.57
KMW-4	4/24/2007	299.45	25.95	273.50
KMW-4	8/21/2008	299.45	28.62	270.83
KMW-4	11/5/2010	299.45	28.22	271.23
KMW-4	2/11/2011	299.45	26.87	272.58
KMW-4	5/30/2011	299.45	25.59	273.86
KMW-4	7/19/2011	299.45	25.99	273.46
KMW-4	10/17/2011	299.45	27.07	272.38
KMW-4	4/2/2012	299.45	27.10	272.35
KMW-4	10/21/2014	299.57	27.80	271.77
KMW-4	12/9/2015	299.57	28.08	271.49
KMW-4	12/13/2016	299.57	27.24	272.33
KMW-4	3/13/2017	299.57	25.90	273.67
KMW-4	7/17/2017	299.57	25.25	274.32
KMW-4	10/20/2017	299.57	27.26	272.31
KMW-4	1/24/2018	299.57	26.58	272.99
KMW-4	4/17/2018	299.57	26.13	273.44
KMW-4	7/18/2018	299.57	26.50	273.07
KMW-4	10/15/2018	299.57	27.60	271.97
KMW-4	10/25/2019	299.57	28.57	271.00

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
KMW-5	4/24/2007	297.10	24.32	272.78
KMW-5	8/21/2008	297.10	26.85	270.25
KMW-5	11/5/2010	297.10	26.49	270.61
KMW-5	2/11/2011	297.10	25.21	271.89
KMW-5	5/30/2011	297.10	24.00	273.10
KMW-5	7/19/2011	297.10	24.41	272.69
KMW-5	10/17/2011	297.10	25.41	271.69
KMW-5	4/2/2012	297.10	25.37	271.73
KMW-5	5/28/2013	297.22	25.30	271.92
KMW-5	10/21/2014	297.22	26.09	271.13
KMW-5	12/9/2015	297.22	26.30	270.92
KMW-5	12/13/2016	297.22	25.52	271.70
KMW-5	3/13/2017	297.22	24.30	272.92
KMW-5	7/17/2017	297.22	24.75	272.47
KMW-5	10/20/2017	297.22	24.82	272.40
KMW-5	1/24/2018	297.22	24.95	272.27
KMW-5	4/17/2018	297.22	24.50	272.72
KMW-5	7/18/2018	297.22	24.87	272.35
KMW-5	10/31/2018	297.22	26.09	271.13
KMW-5	10/25/2019	297.22	27.15	270.07
KMW-5D	4/24/2007	296.94	24.19	272.75
KMW-5D	8/21/2008	296.94	26.72	270.22
KMW-5D	11/5/2010	296.94	26.35	270.59
KMW-5D	2/11/2011	296.94	25.10	271.84
KMW-5D	5/30/2011	296.94	23.89	273.05
KMW-5D	7/19/2011	296.94	24.28	272.66
KMW-5D	10/17/2011	296.94	25.28	271.66
KMW-5D	4/2/2012	296.94	25.19	271.75
KMW-5D	12/13/2016	296.94	25.40	271.54
KMW-5D	3/13/2017	296.94	25.19	271.75
KMW-5D	10/15/2018	296.94	25.79	271.15
KMW-6	4/24/2007	294.70	22.40	272.30
KMW-6	8/21/2008	294.70	24.90	269.80
KMW-6	11/5/2010	294.70	24.51	270.19
KMW-6	2/11/2011	294.70	23.26	271.44
KMW-6	5/30/2011	294.70	22.12	272.58
KMW-6	7/19/2011	294.70	22.52	272.18
KMW-6	10/17/2011	294.70	23.48	271.22
KMW-6	4/2/2012	294.70	23.39	271.31
KMW-6	10/21/2014	294.81	21.05	273.76
KMW-6	12/9/2015	294.81	24.31	270.50
KMW-6	12/13/2016	294.81	23.53	271.28
KMW-6	3/13/2017	294.81	22.34	272.47
KMW-6	7/17/2017	294.81	21.90	272.91
KMW-6	10/20/2017	294.81	23.31	271.50
KMW-6	1/24/2018	294.81	23.30	271.51
KMW-6	4/17/2018	294.81	22.54	272.27
KMW-6	7/18/2018	294.81	22.98	271.83
KMW-6	10/15/2018	294.81	23.98	270.83
KMW-6	10/28/2019	294.80	24.80	270.00

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
KMW-7	4/24/2007	301.32	29.22	272.10
KMW-7	8/21/2008	301.32	31.65	269.67
KMW-7	11/5/2010	301.32	31.36	269.96
KMW-7	2/11/2011	301.32	30.14	271.18
KMW-7	5/30/2011	301.32	28.92	272.40
KMW-7	7/19/2011	301.32	29.27	272.05
KMW-7	10/17/2011	301.32	30.25	271.07
KMW-7	4/2/2012	301.32	30.35	270.97
KMW-7	10/21/2014	301.43	30.88	270.55
KMW-7	12/15/2015	301.43	31.03	270.40
KMW-7	12/13/2016	301.43	30.40	271.03
KMW-7	3/13/2017	301.43	28.98	272.45
KMW-7	7/17/2017	301.43	28.61	272.82
KMW-7	10/20/2017	301.43	30.19	271.24
KMW-7	1/24/2018	301.43	28.66	272.77
KMW-7	4/17/2018	301.43	29.28	272.15
KMW-7	7/18/2018	301.43	29.70	271.73
KMW-7	10/15/2018	301.43	30.87	270.56
KMW-7	10/29/2019	301.42	31.71	269.71
KMW-7	12/10/2021	301.42	31.25	270.17
KMW-7	12/16/2024	301.42	32.05	269.37
KMW-8	4/24/2007	308.08	35.73	272.35
KMW-8	8/21/2008	308.08	38.14	269.94
KMW-8	11/5/2010	308.08	37.87	270.21
KMW-8	2/11/2011	308.08	36.72	271.36
KMW-8	5/30/2011	308.08	35.40	272.68
KMW-8	7/19/2011	308.08	35.68	272.40
KMW-8	10/17/2011	308.08	36.71	271.37
KMW-8	4/2/2012	308.08	37.02	271.06
KMW-8	10/21/2014	308.15	37.34	270.81
KMW-8	12/9/2015	308.15	37.76	270.39
KMW-8	12/13/2016	308.15	36.92	271.23
KMW-8	3/13/2017	308.15	35.94	272.21
KMW-8	7/17/2017	308.15	34.98	273.17
KMW-8	10/20/2017	308.15	36.35	271.80
KMW-8	1/24/2018	308.15	36.41	271.74
KMW-8	4/17/2018	308.15	35.87	272.28
KMW-8	7/18/2018	308.15	36.10	272.05
KMW-8	10/15/2018	308.15	37.12	271.03
KMW-8	10/28/2019	308.16	38.06	270.10
KMW-8	12/10/2021	308.16	37.85	270.31
KMW-8	12/16/2024	308.16	38.60	269.56

Table 3
Historical Summary of Groundwater Elevations
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Location	Monitoring Date	Top of Casing Elevation[1,2,3] (feet NAVD88)	Depth to Water[4] (feet below well casing)	Water Level Elevation[3] (feet NAVD88)
KMW-9	4/24/2007	310.18	36.49	273.69
KMW-9	11/5/2010	310.18	38.78	271.40
KMW-9	2/11/2011	310.18	37.51	272.67
KMW-9	5/30/2011	310.18	36.11	274.07
KMW-9	7/19/2011	310.18	36.49	273.69
KMW-9	10/17/2011	310.18	37.51	272.67
KMW-9	4/2/2012	310.18	37.84	272.34
KMW-9	4/14/2014	310.53	37.91	272.62
KMW-9	10/21/2014	310.33	38.24	272.09
KMW-9	12/9/2015	310.33	38.71	271.62
KMW-9	12/13/2016	310.33	37.79	272.54
KMW-9	3/13/2017	310.33	36.65	273.68
KMW-9	7/17/2017	310.33	35.66	274.67
KMW-9	10/20/2017	310.33	37.16	273.17
KMW-9	1/24/2018	310.33	37.22	273.11
KMW-9	4/17/2018	310.33	36.64	273.69
KMW-9	7/18/2018	310.33	36.87	273.46
KMW-9	10/15/2018	310.33	37.97	272.36
KMW-9	10/24/2019	310.33	39.00	271.33

NOTES:

--- denotes not measured or not applicable.

[1] Well monument types: flush grade monuments and above ground (AG) monuments.

[2] Top of casing elevations were surveyed by D.R. Strong Consulting Engineers, Inc. in February and May 2013, and by Lanktree Land Surveying, Inc. in July 2015.

[3] Elevations are reported relative to North American Vertical Datum of 1988 (NAVD88).

[4] Depth to water is measured from top of well casing.

NM = Not Measured

Table 4
Historical Summary of Groundwater Analytical Results
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]										
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
Shallow Monitoring Wells													
MW-1	12/10/1999	MW-1	**21.6**	---	---	---	---	---	---	---	---	---
	7/25/2005	MW-1	**15**	---	---	---	---	---	---	---	---	---
	4/11/2006	MW-1	**14**	---	---	---	---	---	---	---	---	---
	10/26/2006	MW-1	**11**	---	---	---	---	---	---	---	---	---
	4/25/2007	MW-1	**13**	---	---	---	---	---	---	---	---	---
	---	---	Monitoring well cannot be located									
MW-2	12/10/1999	MW-2	**16.7**	---	---	---	---	---	---	---	---	---
	4/5/2012	MW-2	**7.1**	---	---	---	---	---	---	---	---	---
	5/30/2013	MW-2	2.4	---	---	---	---	---	---	---	---	---
	4/14/2014	MW-2	3.2	---	---	---	---	---	---	---	---	---
	10/24/2014	MW-2	1.4	---	---	---	---	---	---	---	---	---
	12/11/2015	MW-2	< 1.00	---	---	---	---	---	---	---	---	---
	3/13/2017	MW-2	**6.02**	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-2	2.43	---	---	---	---	---	---	---	---	---
	10/26/2017	MW-2	1.55	---	---	---	---	---	---	---	---	---
	4/19/2018	MW-2	3.39	---	---	---	---	---	---	---	---	---
	7/17/2018	MW-2	1.78	---	---	---	---	---	0.569	---	---	---
	10/18/2018	MW-2	1.17	---	---	---	---	---	0.843	---	---	---
	10/25/2019	MW-2	1.20	---	---	---	---	---	1.53	---	---	---
MW-3	4/14/2008	MW-3	2.31	---	---	---	---	---	0.990	---	---	---
	11/1/2010	MW-3	2.9	---	---	---	---	---	---	---	---	---
	5/31/2011	MW-3	< 2.0	---	---	---	---	---	---	---	---	---
	7/20/2011	MW-3	< 2.0	---	---	---	---	---	---	---	---	---
	10/18/2011	MW-3	**6.1**	---	---	---	---	---	---	---	---	---
	4/4/2012	MW-3	**5.8**	---	---	---	---	---	---	---	---	---
	5/29/2013	MW-3	4.0	---	---	---	---	---	---	---	---	---
	10/24/2014	MW-3	1.0	---	---	---	---	---	---	---	---	---
	12/10/2015	MW-3	1.34	---	---	---	---	---	---	---	---	---
	12/14/2016	MW-3	< 1.00	---	---	---	---	---	---	---	---	---
	3/13/2017	MW-3	< 1.00	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-3	1.76	---	---	---	---	---	---	---	---	---
	10/25/2017	MW-3	4.21	---	---	---	---	---	---	---	---	---
	4/20/2018	MW-3	1.0	---	---	---	---	---	---	---	---	---
	10/16/2018	MW-3	< 0.500	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

Table 4
Historical Summary of Groundwater Analytical Results
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
MW-4	4/14/2008	MW-4	**32.6**	0.490	0.320	---	---	---	0.780	---	---	---
	3/9/2010	MW-4	**7.8**	---	---	---	---	---	---	---	---	---
	11/1/2010	MW-4	**16**	---	---	---	---	---	---	---	---	---
	5/31/2011	MW-4	**10**	---	---	---	---	---	---	---	---	---
	7/21/2011	MW-4	**25**	---	---	---	---	---	---	---	---	---
	10/19/2011	MW-4	**21**	---	---	---	---	---	---	---	---	---
	4/4/2012	MW-4	**11**	---	---	---	---	---	---	---	---	---
	5/29/2013	MW-4	**8.1**	---	---	---	---	---	---	---	---	---
	10/29/2014	MW-4	**7.3**	---	---	---	---	---	---	---	---	---
	12/14/2015	MW-4	4.89	---	---	---	---	---	---	---	---	---
	12/14/2016	MW-4	< 1.00	---	---	---	---	---	---	---	---	---
	3/14/2017	MW-4	< 1.00	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-4	1.40	---	---	---	---	---	---	---	---	---
	10/25/2017	MW-4	3.23	---	---	---	---	---	---	---	---	---
	4/20/2018	MW-4	< 0.500	---	---	---	---	---	---	---	---	---
	10/16/2018	MW-4	< 0.500	---	---	---	---	---	---	---	---	---
	12/7/2021	MW-4	2.62	---	---	---	---	---	---	---	---	---
	12/17/2024	MW-4-12172024	3.4	< 0.5	< 1	---	---	---	---	---	---	---
MW-5	4/11/2008	MW-5	0.470	---	---	---	---	---	---	---	---	---
	4/2/2012	MW-5	< 2.0	---	---	---	---	---	---	---	---	---
MW-6	4/15/2008	MW-6	< 2.0	---	---	---	---	---	---	---	---	---
	4/2/2012	MW-6	< 2.0	---	---	---	---	---	---	---	---	---
MW-7	4/16/2008	MW-7	**22.4**	---	---	---	---	---	---	---	---	---
	4/2/2012	MW-7	**14**	---	---	---	---	---	---	---	---	---
	10/29/2014	MW-7	**20**	---	---	---	---	---	---	---	---	---
	12/15/2015	MW-7	**7.42**	---	---	---	---	---	---	---	---	---
	3/17/2017	MW-7	**8.08**	---	---	---	---	---	---	---	---	---
	7/19/2017	MW-7	**7.20**	---	---	---	---	---	---	---	---	---
	10/25/2017	MW-7	**7.47**	---	---	---	---	---	---	---	---	---
	1/26/2018	MW-7	**7.73**	---	---	---	---	---	---	---	---	---
	4/20/2018	MW-7	**7.64**	---	---	---	---	---	---	---	---	---
	7/19/2018	MW-7	**6.60**	---	---	---	---	---	---	---	---	---
	10/23/2018	MW-7	**5.79**	---	---	---	---	---	---	---	---	---
	10/25/2019	MW-7	**7.13**	---	---	---	---	---	---	---	---	---
	12/7/2021	MW-7	**8.20**	---	---	---	---	---	---	---	---	---
	12/16/2024	MW-7	Not Sampled									
MW-8	8/21/2008	MW-8	0.20 J	---	---	---	---	---	---	---	---	---
	4/2/2012	MW-8	< 2.0	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

Table 4
Historical Summary of Groundwater Analytical Results
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
MW-9	8/21/2008	MW-9	0.10 J	---	---	---	---	---	---	---	---	---
	4/2/2012	MW-9	< 2.0	---	---	---	---	---	---	---	---	---
	10/24/2014	MW-9	< 1.0	---	---	---	---	---	---	---	---	---
	12/10/2015	MW-9	< 1.00	---	---	---	---	---	---	---	---	---
	3/13/2017	MW-9	< 1.00	---	---	---	---	---	---	---	---	---
	10/23/2017	MW-9	< 0.500	---	---	---	---	---	---	---	---	---
	4/18/2018	MW-9	< 0.500	---	---	---	---	---	---	---	---	---
	10/17/2018	MW-9	< 0.500	---	---	---	---	---	---	---	---	---
	10/25/2019	MW-9	< 0.500	---	---	---	---	---	---	---	---	---
	12/9/2021	MW-9	< 0.400	---	---	---	---	---	---	---	---	---
	6/20/2024	MW-9-062024	< 1	< 0.5	< 1	---	---	---	---	---	---	---
	9/23/2024	MW-9-092324	< 1	< 0.5	< 1	---	---	---	---	---	---	---
	12/18/2024	MW-9-12182024	< 1	< 0.5	< 1	---	---	---	---	---	---	---
MW-10	2/8/2011	MW-10	**10**	---	---	---	---	---	---	---	---	---
	5/31/2011	MW-10	< 2.0	---	---	---	---	---	---	---	---	---
	7/20/2011	MW-10	4.1	---	---	---	---	---	---	---	---	---
	10/18/2011	MW-10	4.9	---	---	---	---	---	---	---	---	---
	4/6/2012	MW-10	**6.7**	---	---	---	---	---	---	---	---	---
	5/29/2013	MW-10	4.1	---	---	---	---	---	---	---	---	---
	10/24/2014	MW-10	1.7	---	---	---	---	---	---	---	---	---
	12/11/2015	MW-10	< 1.00	3.22	---	---	---	---	---	---	---	---
	12/14/2016	MW-10	1.13	---	---	---	---	---	---	---	---	---
	3/14/2017	MW-10	1.09	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-10	< 1.00	---	---	---	---	---	---	---	---	---
	10/23/2017	MW-10	< 0.500	---	---	---	---	---	---	---	---	---
	4/18/2018	MW-10	0.716	---	---	---	---	---	---	---	---	---
	10/18/2018	MW-10	< 0.500	---	---	---	---	---	---	---	---	---
	5/21/2019	MW-10	0.630	---	---	---	---	---	---	---	---	---
	10/25/2019	MW-10	1.01	---	---	---	---	---	---	---	---	---
	12/9/2021	MW-10	1.60	---	---	---	---	---	---	---	---	---
	6/20/2024	MW-10-062024	1.5	< 0.5	< 1	---	---	---	---	---	---	---
	12/18/2024	MW-10-12182024	1.1	< 0.5	< 1	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

Table 4
Historical Summary of Groundwater Analytical Results
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
MW-11	2/8/2011	MW-11	**47**	---	---	---	---	---	---	---	---	---
	5/31/2011	MW-11	< 2.0	---	---	---	51	---	---	---	---	---
	7/20/2011	MW-11	< 2.0	---	---	---	154	---	---	---	---	---
	10/18/2011	MW-11	< 2.0	---	---	---	130	---	---	---	---	---
	4/6/2012	MW-11	**29**	---	---	---	---	---	---	---	---	---
	5/31/2013	MW-11	**22**	---	---	---	---	---	---	---	---	---
	10/29/2014	MW-11	**15**	---	---	---	---	---	---	---	---	---
	12/14/2015	MW-11	**11.9**	---	---	---	---	---	---	---	---	---
	12/15/2016	MW-11	**7.99**	---	---	---	---	---	---	---	---	---
	3/16/2017	MW-11	4.66	---	---	---	---	---	---	---	---	---
	7/19/2017	MW-11	2.52	---	---	---	---	---	---	---	---	---
	10/26/2017	MW-11	2.15	---	---	---	---	---	---	---	---	---
	1/25/2018	MW-11	2.52	---	---	---	---	---	---	---	---	---
	4/19/2018	MW-11	2.97	---	---	---	---	---	---	---	---	---
	10/19/2018	MW-11	2.44	---	---	---	---	---	---	---	---	---
	5/21/2019	MW-11	3.92	---	---	---	---	---	---	---	---	---
	12/9/2021	MW-11	**5.59**	---	---	---	---	---	---	---	---	---
	12/18/2024	MW-11-12182024	**5.1**	< 0.5	< 1	---	---	---	---	---	---	---
MW-12	4/4/2012	MW-12	< 2.0	---	---	---	---	---	---	---	---	---
	5/28/2013	MW-12	< 1.0	---	---	---	---	---	---	---	---	---
	10/23/2014	MW-12	< 1.0	---	---	---	---	---	---	---	---	---
	12/10/2015	MW-12	< 1.00	---	---	---	---	---	---	---	---	---
	12/14/2016	MW-12	< 1.00	---	---	---	---	---	---	---	---	---
	3/13/2017	MW-12	< 1.00	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-12	< 1.00	---	---	---	---	---	---	---	---	---
	10/23/2017	MW-12	< 0.500	---	---	---	---	---	---	---	---	---
	4/18/2018	MW-12	< 0.500	---	---	---	---	---	---	---	---	---
	10/16/2018	MW-12	< 0.500	---	---	---	---	---	---	---	---	---
MW-13	4/3/2012	MW-13	< 2.0	---	---	---	---	---	---	---	---	---
	5/30/2013	MW-13	< 1.0	---	---	---	---	---	---	---	---	---
	10/23/2014	MW-13	< 1.0	---	---	---	---	---	---	---	---	---
	12/10/2015	MW-13	< 1.00	---	---	---	---	---	---	---	---	---
	12/13/2016	MW-13	< 1.00	---	---	---	---	---	---	---	---	---
	3/14/2017	MW-13	< 1.00	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-13	< 1.00	---	---	---	---	---	---	---	---	---
	10/23/2017	MW-13	< 0.500	---	---	---	---	---	---	---	---	---
	4/18/2018	MW-13	< 0.500	---	---	---	---	---	---	---	---	---
	10/16/2018	MW-13	< 0.500	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

Table 4
Historical Summary of Groundwater Analytical Results
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
MW-14	4/5/2012	MW-14	< 2.0	---	---	---	---	---	---	---	---	---
	5/29/2013	MW-14	< 1.0	---	---	---	---	---	---	---	---	---
	10/30/2014	MW-14	< 1.0	---	---	---	---	---	---	---	---	---
	12/11/2015	MW-14	< 1.00	---	---	---	---	---	---	---	---	---
	3/14/2017	MW-14	< 1.00	---	---	---	---	---	---	---	---	---
	10/24/2017	MW-14	0.910	---	---	---	---	---	---	---	---	---
	4/20/2018	MW-14	1.27	---	---	---	---	---	---	---	---	---
	10/23/2018	MW-14	< 0.500	---	---	---	---	---	---	---	---	---
MW-15	4/5/2012	MW-15	< 2.0	---	---	---	---	---	---	---	---	---
	5/28/2013	MW-15	< 1.0	---	---	---	---	---	---	---	---	---
	4/14/2014	MW-15	< 1.0	---	---	---	---	---	---	---	---	---
	10/23/2014	MW-15	< 1.0	---	---	---	---	---	---	---	---	---
	12/10/2015	MW-15	< 1.00	---	---	---	---	---	---	---	---	---
	3/14/2017	MW-15	< 1.00	---	---	---	---	---	---	---	---	---
	10/24/2017	MW-15	0.954	---	---	---	---	---	---	---	---	---
	4/19/2018	MW-15	1.13	---	---	---	---	---	---	---	---	---
	10/18/2018	MW-15	< 0.500	---	---	---	---	---	---	---	---	---
MW-16	5/31/2013	MW-16	2.5	---	---	---	---	---	---	---	---	---
	10/23/2014	MW-16	1.3	---	---	---	---	---	---	---	---	---
	12/11/2015	MW-16	1.20	---	---	---	---	---	---	---	---	---
	12/13/2016	MW-16	1.63	---	---	---	---	---	---	---	---	---
	3/16/2017	MW-16	1.13	---	---	---	---	---	---	---	---	---
	7/18/2017	MW-16	< 1.00	---	---	---	---	---	---	---	---	---
	10/24/2017	MW-16	1.26	---	---	---	---	---	---	---	---	---
	4/19/2018	MW-16	1.33	---	---	---	---	---	---	---	---	---
	10/18/2018	MW-16	0.912	---	---	---	---	---	0.539	---	---	---
MW-17	3/6/2019	MW-17	**6.82**	---	---	---	---	---	---	---	---	---
	10/28/2019	MW-17	2.85	---	---	---	---	---	---	---	---	---
	6/3/2020	MW-17	**5.35**	---	---	---	---	---	---	---	---	---
	12/10/2021	MW-17	4.98	---	---	---	---	---	---	---	---	---
	12/17/2024	MW-17-12172024	2.6	< 0.5	< 1	---	---	---	---	---	---	---
MW-18	3/6/2019	MW-18	**11.4**	---	---	---	---	---	---	---	---	---
	10/28/2019	MW-18	**11.3**	---	---	---	---	---	---	---	---	---
	12/10/2021	MW-18	**9.78**	---	---	---	---	---	---	---	---	---
	6/20/2024	MW-18-062024	**6.4**	< 0.5	< 1	---	---	---	---	---	---	---
	9/23/2024	MW-18-092324	**6.0**	< 0.5	< 1	---	---	---	---	---	---	---
	12/16/2024	MW-18-12162024	**7.0**	< 0.5	< 1	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

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Historical Summary of Groundwater Analytical Results
Manhattan Village Shopping Center and Harris Properties
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Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
MW-20	10/29/2019	MW-20	< 0.500	---	---	---	---	---	0.547	---	---	---
	12/4/2019	MW-20	< 0.500	---	---	---	---	---	---	---	---	---
	6/3/2020	MW-20	< 1.00	---	---	---	---	---	---	---	---	---
	12/8/2021	MW-20	0.423	---	---	---	---	---	---	---	---	---
	6/20/2024	MW-20-062024	< 1	< 0.5	< 1	---	---	---	---	---	---	---
	9/23/2024	MW-20-092324	< 1	< 0.5	< 1	---	---	---	---	---	---	---
	12/17/2024	MW-20-12172024	< 1	< 0.5	< 1	---	---	---	---	---	---	---
MW-21	9/23/2024	MW-21-092324	**7.1**	< 0.5	< 1	---	---	---	---	---	---	---
	12/17/2024	MW-21-12172024	**7.9**	< 0.5	< 1	---	---	---	---	---	---	---
MW-22	9/23/2024	MW-22-092324	3.7	< 0.5	< 1	---	---	---	---	---	---	---
	12/17/2024	MW-22-12172024	**6.5**	< 0.5	< 1	---	---	---	---	---	---	---
DC-1	10/21/1998	DC-1	0.60	---	---	---	---	---	---	---	---	0.8
	2/3/1999	DC-1	< 0.5	---	---	---	---	---	---	---	---	---
	4/7/1999	DC-1	< 0.5	---	---	---	---	---	---	---	---	8.7
	12/8/1999	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	3/16/2004	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	9/7/2004	DC-1	< 1.0	---	---	---	---	---	---	---	---	---
	4/25/2007	DC-1	< 0.2	---	---	---	---	---	---	---	---	---
	4/4/2012	DC-1	< 2.0	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

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Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-2	10/21/1998	DC-2	2.4	---	---	---	---	---	1.8	---	---	0.6
	2/3/1999	DC-2	0.7	---	---	---	---	---	---	---	---	---
	4/7/1999	DC-2	< 0.5	---	---	---	---	---	1.4	---	---	14
	12/8/1999	DC-2	< 0.5	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-2	< 1.0	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-2	< 1.0	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-2	< 1.0	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-2	< 1.0	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-2	< 1.0	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-2	< 1.0	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-2	< 1.0	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-2	4.0	---	---	---	---	---	---	---	---	---
	6/13/2002	DC-2	< 1.0	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-2	< 1.0	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-2	0.50	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-2	3.37	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-2	< 1.0	---	---	---	---	---	---	---	---	---
	3/16/2004	DC-2	0.737	---	---	---	---	---	---	---	---	---
	9/7/2004	DC-2	< 1.0	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-2	1.2	---	---	---	---	---	---	---	---	---
	4/14/2008	DC-2	0.340	---	---	---	---	---	1.60	---	---	---
	11/3/2010	DC-2	< 2.0	---	---	---	---	---	---	---	---	---
	5/31/2011	DC-2	< 2.0	---	---	---	---	---	---	---	---	---
	7/21/2011	DC-2	< 2.0	---	---	---	---	---	---	---	---	---
	10/18/2011	DC-2	< 2.0	---	---	---	---	---	---	---	---	---
	4/4/2012	DC-2	< 2.0	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

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Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-3	10/28/1998	DC-3	**54**	---	---	---	---	---	1.9	---	---	0.6
	2/4/1999	DC-3	**25**	---	---	---	---	---	---	---	---	---
	4/8/1999	DC-3	**36**	---	---	---	---	---	1.2	---	---	15
	12/8/1999	DC-3	**45**	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-3	**56**	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-3	**25**	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-3	< 1.0	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-3	4.7	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-3	2.8	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-3	< 1.0	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-3	**9.2**	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-3	**40.0**	---	---	---	---	---	---	---	---	---
	6/13/2002	DC-3	**42.3**	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-3	**33.4**	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-3	**5.40**	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-3	**7.34**	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-3	2.08	---	---	---	---	---	---	---	---	---
	3/16/2004	DC-3	< 1.0	---	---	---	---	---	---	---	---	---
	9/7/2004	DC-3	3.43	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-3	**42.0**	---	---	---	---	---	---	---	---	---
	4/14/2008	DC-3	**27.8**	---	---	---	---	---	1.50	---	---	---
	3/9/2010	DC-3	< 2.0	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-3	< 2.0	---	---	---	---	---	---	---	---	---
	5/30/2011	DC-3	3.9	---	---	---	---	---	---	---	---	---
	7/20/2011	DC-3	**12**	---	---	---	---	---	---	---	---	---
	10/18/2011	DC-3	**6.7**	---	---	---	---	---	---	---	---	---
	4/4/2012	DC-3	2.9	---	---	---	---	---	---	---	---	---
	10/27/2014	DC-3	1.4	---	---	---	---	---	---	---	---	---
	12/11/2015	DC-3	1.49	---	---	---	---	---	---	---	---	---
	12/14/2016	DC-3	< 1.00	---	---	---	---	---	---	---	---	---
	3/14/2017	DC-3	2.11	---	---	---	---	---	---	---	---	---
	7/18/2017	DC-3	< 1.00	---	---	---	---	---	---	---	---	---
	10/24/2017	DC-3	0.786	---	---	---	---	---	---	---	---	---
	4/18/2018	DC-3	1.23	---	---	---	---	---	---	---	---	---
	10/17/2018	DC-3	< 0.500	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

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Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-4	10/28/1998	DC-4	**227**	---	---	---	---	---	0.9	---	---	0.7
	2/4/1999	DC-4	**144**	---	---	---	---	---	---	---	---	---
	4/8/1999	DC-4	**110**	---	---	---	---	---	---	---	---	2.6
	12/8/1999	DC-4	**71**	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-4	**120**	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-4	**42**	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-4	**64**	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-4	**52**	3.0	---	---	---	---	---	---	---	---
	6/20/2001	DC-4	**40**	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-4	**23**	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-4	**15**	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-4	**55**	---	---	---	---	---	---	---	---	---
	6/13/2002	DC-4	**17.9**	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-4	**28.8**	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-4	**22.4**	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-4	**12.5**	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-4	**14.1**	---	---	---	---	---	---	---	---	---
	3/16/2004	DC-4	**19.8**	---	---	---	---	---	---	---	---	---
	9/7/2004	DC-4	**18.5**	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-4	**19.0**	---	---	---	---	---	---	---	---	---
	4/11/2008	DC-4	**30.2**	---	---	---	---	---	1.2	---	---	---
	3/9/2010	DC-4	**9.2**	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-4	**13**	---	---	---	---	---	---	---	---	---
	5/31/2011	DC-4	< 2.0	---	---	---	46	---	---	---	---	---
	7/20/2011	DC-4	< 2.0	---	---	---	77	---	---	---	---	---
	10/18/2011	DC-4	**22**	---	---	---	---	---	---	---	---	---
	4/4/2012	DC-4	**22**	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-4	**11**	---	---	---	---	---	---	---	---	---
	10/29/2014	DC-4	**13**	---	---	---	---	---	---	---	---	---
	12/14/2015	DC-4	**5.49**	---	---	---	---	---	---	---	---	---
	12/14/2016	DC-4	< 1.00	---	---	---	---	---	---	---	---	---
	3/14/2017	DC-4	< 1.00	---	---	---	---	---	---	---	---	---
	7/18/2017	DC-4	< 1.00	---	---	---	---	---	---	---	---	---
	10/24/2017	DC-4	< 0.500	---	---	---	---	---	---	---	---	---
	4/18/2018	DC-4	< 0.500	---	---	---	---	---	---	---	---	---
	10/17/2018	DC-4	< 0.500	---	---	---	---	---	---	---	---	---
	12/7/2021	DC-4	**5.36**	---	---	---	---	---	---	---	---	---
	12/17/2024	DC-4-12172024	2.6	< 0.5	< 1	---	---	---	---	---	---	---
DC-6	2/4/1999	DC-6	**5.1**	---	---	---	---	---	---	---	---	---
	4/8/1999	DC-6	3.7	---	---	---	---	---	1.3	---	---	2.3
	---	---	Monitoring well cannot be located									
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

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Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-7	2/4/1999	DC-7	**74**	---	---	---	---	---	---	---	---	---
	4/8/1999	DC-7	**64**	---	---	---	---	---	---	---	---	1.3
	12/8/1999	DC-7	**107**	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-7	**130**	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-7	**50**	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-7	**130**	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-7	**140**	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-7	**96**	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-7	**81**	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-7	**47**	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-7	**31**	---	---	---	---	---	---	---	---	---
	6/13/2002	DC-7	**41.5**	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-7	**77.7**	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-7	**91.8**	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-7	**40.1**	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-7	**57.4**	---	---	---	---	---	---	---	---	---
	7/25/2005	DC-7	**37.0**	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-7	**23.0**	---	---	---	---	---	---	---	---	---
	10/26/2006	DC-7	**51.0**	---	---	---	---	---	---	---	---	---
	4/24/2007	DC-7	**27.0**	---	---	---	---	---	---	---	---	---
	4/16/2008	DC-7	**50.8**	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-7	**34**	---	---	---	---	---	---	---	---	---
	6/1/2011	DC-7	**15**	---	---	---	---	---	---	---	---	---
	7/21/2011	DC-7	**38**	---	---	---	---	---	---	---	---	---
	10/18/2011	DC-7	**42**	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-7	**18**	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-7	**15**	---	---	---	---	---	---	---	---	---
	10/30/2014	DC-7	**23**	---	---	---	---	---	---	---	---	---
	12/16/2015	DC-7	**13.3**	---	---	---	---	---	---	---	---	---
	3/17/2017	DC-7	**10.4**	---	---	---	---	---	---	---	---	---
	10/23/2017	DC-7	**6.67** J	---	---	---	---	---	---	---	---	---
	1/26/2018	DC-7	**12.1**	---	---	---	---	---	---	---	---	---
	4/20/2018	DC-7	**12.8**	---	---	---	---	---	---	---	---	---
	7/20/2018	DC-7	**12.3**	---	---	---	---	---	---	---	---	---
	10/23/2018	DC-7	**11.6**	---	---	---	---	---	---	---	---	---
	10/30/2019	DC-7	**17.1**	---	---	---	---	---	---	---	---	---
	5/11/2021	DC-7	**8.35**	---	---	---	---	---	---	---	---	---
	12/8/2021	DC-7	**10.0** J	---	---	---	---	---	---	---	---	---
	12/18/2024	DC-7-12182024	**8.1**	< 0.5	< 1	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

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Farallon PN: 578-002

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			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-8	2/4/1999	DC-8	**56**	---	---	---	---	---	---	---	---	---
	4/8/1999	DC-8	**48**	---	---	---	---	---	---	---	---	1.2
	12/8/1999	DC-8	**98**	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-8	**87**	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-8	**70**	---	---	---	---	---	---	---	---	---
	11/14/2000	DC-8	**130**	---	---	---	---	---	---	---	---	---
	3/6/2001	DC-8	**82**	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-8	**80**	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-8	**62**	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-8	**50**	---	---	---	---	---	---	---	---	---
	3/13/2002	DC-8	**31**	---	---	---	---	---	---	---	---	---
	6/13/2002	DC-8	**26.6**	---	---	---	---	---	---	---	---	---
	9/17/2002	DC-8	**38.4**	---	---	---	---	---	---	---	---	---
	12/10/2002	DC-8	**53.1**	---	---	---	---	---	---	---	---	---
	3/31/2003	DC-8	**36.4**	---	---	---	---	---	---	---	---	---
	9/3/2003	DC-8	**34.7**	---	---	---	---	---	---	---	---	---
	7/25/2005	DC-8	**26.0**	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-8	**14.0**	---	---	---	---	---	---	---	---	---
	10/26/2006	DC-8	**28.0**	---	---	---	---	---	---	---	---	---
	4/24/2007	DC-8	**24.0**	---	---	---	---	---	---	---	---	---
	4/16/2008	DC-8	**39.4**	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-8	**25**	---	---	---	---	---	---	---	---	---
	6/1/2011	DC-8	**11**	---	---	---	---	---	---	---	---	---
	7/21/2011	DC-8	**25**	---	---	---	---	---	---	---	---	---
	10/19/2011	DC-8	**26**	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-8	**18**	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-8	**11**	---	---	---	---	---	---	---	---	---
	10/30/2014	DC-8	**18**	---	---	---	---	---	---	---	---	---
	12/16/2015	DC-8	**8.61**	---	---	---	---	---	---	---	---	---
	3/16/2017	DC-8	**9.69**	---	---	---	---	---	---	---	---	---
	7/19/2017	DC-8	**8.94**	---	---	---	---	---	---	---	---	---
	10/23/2017	DC-8	**14.8**	---	---	---	---	---	---	---	---	---
	1/24/2018	DC-8	**12.0**	---	---	---	---	---	---	---	---	---
	4/18/2018	DC-8	**13.0**	---	---	---	---	---	---	---	---	---
	7/18/2018	DC-8	**11.7**	---	---	---	---	---	---	---	---	---
	10/18/2018	DC-8	**12.1**	---	---	---	---	---	---	---	---	---
	10/29/2019	DC-8	**15.0**	---	---	---	---	---	---	---	---	---
	12/8/2021	DC-8	**11.0**	---	---	---	---	---	---	---	---	---
	6/20/2024	DC-8-062024	4.2	< 0.5	< 1	---	---	---	---	---	---	---
	6/20/2024	DC-808	4.0	< 0.5	< 1	---	---	---	---	---	---	---
	9/23/2024	DC-8-092324	**5.4**	< 0.5	< 1	---	---	---	---	---	---	---
	9/23/2024	QA/QC-1-092324	**5.3**	< 0.5	< 1	---	---	---	---	---	---	---
	12/17/2024	DC-8-12172024	**7.4**	< 0.5	< 1	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

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			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-9A	4/8/1999	DC-9A	**135**	---	---	---	---	---	---	---	---	3.2
	12/8/1999	DC-9A	**73**	---	---	---	---	---	---	---	---	---
	4/26/2000	DC-9A	**240**	---	---	---	---	---	---	---	---	---
	8/3/2000	DC-9A	**110**	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-9A	**78**	---	---	---	---	---	---	---	---	---
	8/8/2006	DC-9A	**49**	---	---	---	---	---	---	---	---	---
	11/2/2006	DC-9A	2.9	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-9A	**33**	---	---	---	---	---	---	---	---	---
	---	---	Monitoring well cannot be located									
DC-10A	4/8/1999	DC-10A	**150**	---	---	---	---	---	---	---	---	1.7
	12/8/1999	DC-10A	**73**	1.1	---	---	---	---	---	---	---	---
	4/26/2000	DC-10A	**210**	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-10A	**41**	---	---	---	---	---	---	---	---	---
	5/31/2013	DC-10A	**19**	---	---	---	---	---	---	---	---	---
	10/30/2014	DC-10A	**17**	---	---	---	---	---	---	---	---	---
	12/15/2016	DC-10A	**10.8**	---	---	---	---	---	---	---	---	---
	3/17/2017	DC-10A	**8.62**	---	---	---	---	---	---	---	---	---
	7/19/2017	DC-10A	4.69	---	---	---	---	---	---	---	---	---
	10/26/2017	DC-10A	4.72	---	---	---	---	---	---	---	---	---
	1/25/2018	DC-10A	3.62	---	---	---	---	---	---	---	---	---
	4/20/2018	DC-10A	4.67	---	---	---	---	---	---	---	---	---
	7/17/2018	DC-10A	2.68	---	---	---	---	---	---	---	---	---
	12/16/2024	DC-10A	Not Sampled									
DC-11	4/26/2007	DC-11	**12**	---	---	---	---	---	---	---	---	---
	3/9/2010	DC-11	4.6	---	---	---	---	---	---	---	---	---
	11/1/2010	DC-11	4.8	---	---	---	---	---	---	---	---	---
	4/4/2012	DC-11	3.1	---	---	---	---	---	---	---	---	---
	4/15/2014	DC-11	1.2	---	---	---	---	---	---	---	---	---
	10/27/2014	DC-11	1.4	---	---	---	---	---	---	---	---	---
	12/11/2015	DC-11	1.48	---	---	---	---	---	---	---	---	---
	3/15/2017	DC-11	1.97	---	---	---	---	---	---	---	---	---
	10/26/2017	DC-11	1.35	---	---	---	---	---	---	---	---	---
	4/19/2018	DC-11	1.21	---	---	---	---	---	---	---	---	---
	10/18/2018	DC-11	1.25	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

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			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC -12	4/25/2007	DC -12	**16**	---	---	---	---	---	---	---	---	---
	4/4/2012	DC-12	3.7	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-12	2.3	---	---	---	---	---	---	---	---	---
	4/15/2014	DC-12	1.4	---	---	---	---	---	---	---	---	---
	10/27/2014	DC-12	1.8	---	---	---	---	---	---	---	---	---
	12/14/2015	DC-12	2.04	---	---	---	---	---	---	---	---	---
	3/15/2017	DC-12	2.02	---	---	---	---	---	---	---	---	---
	10/27/2017	DC-12	1.66	---	---	---	---	---	---	---	---	---
	4/20/2018	DC-12	1.50	---	---	---	---	---	---	---	---	---
	10/19/2018	DC-12	1.66	---	---	---	---	---	---	---	---	---
DC-13	4/25/2007	DC-13	**15**	---	---	---	---	---	---	---	---	---
	4/16/2008	DC-13	**23**	---	---	---	---	---	---	---	---	---
	3/1/2010	DC-13	**10**	---	---	---	---	---	---	---	---	---
	11/2/2010	DC-13	**9.2**	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-13	**6.4**	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-13	1.7	---	---	---	---	---	---	---	---	---
	4/14/2014	DC-13	3.2	---	---	---	---	---	---	---	---	---
	10/27/2014	DC-13	2.7	---	---	---	---	---	---	---	---	---
	12/14/2015	DC-13	2.78	---	---	---	---	---	---	---	---	---
	3/15/2017	DC-13	4.32	---	---	---	---	---	---	---	---	---
	10/27/2017	DC-13	2.79	---	---	---	---	---	---	---	---	---
	4/20/2018	DC-13	2.87	---	---	---	---	---	---	---	---	---
	10/19/2018	DC-13	2.74	---	---	---	---	---	---	---	---	---
DC-14	4/25/2007	DC-14	**11**	---	---	---	---	---	---	---	---	---
	4/3/2012	DC-14	**11**	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-14	**6.0**	---	---	---	---	---	---	---	---	---
	10/29/2014	DC-14	**19**	---	---	---	---	---	---	---	---	---
	12/15/2015	DC-14	**6.02**	---	---	---	---	---	---	---	---	---
	3/16/2017	DC-14	**6.20**	---	---	---	---	---	---	---	---	---
	7/19/2017	DC-14	4.94	---	---	---	---	---	---	---	---	---
	10/26/2017	DC-14	**5.40**	---	---	---	---	---	2.23	---	---	---
	2/2/2018	DC-14	**7.81**	---	---	---	---	---	---	---	---	---
	4/19/2018	DC-14	**5.14**	---	---	---	---	---	2.27	---	---	---
	7/19/2018	DC-14	**5.40**	---	---	---	---	---	1.25	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

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DC-15	4/24/2007	DC-15	**11**	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-15	**20**	---	---	---	---	---	---	---	---	---
	4/15/2014	DC-15	**10**	---	---	---	---	---	---	---	---	---
	10/30/2014	DC-15	**5.8**	---	---	---	---	---	---	---	---	---
	12/16/2015	DC-15	**5.93**	---	---	---	---	---	---	---	---	---
	3/16/2017	DC-15	**8.96**	---	---	---	---	---	---	---	---	---
	10/23/2017	DC-15	**7.42**	---	---	---	---	---	---	---	---	---
	1/24/2018	DC-15	**8.61**	---	---	---	---	---	---	---	---	---
	4/18/2018	DC-15	**9.88**	---	---	---	---	---	---	---	---	---
	7/18/2018	DC-15	**7.82**	---	---	---	---	---	---	---	---	---
	10/18/2018	DC-15	**7.65**	---	---	---	---	---	---	---	---	---
	10/29/2019	DC-15	**9.72**	---	---	---	---	---	---	---	---	---
	12/8/2021	DC-15	**9.31**	---	---	---	---	---	---	---	---	---
	6/20/2024	DC-15-062024	3.9	< 0.5	< 1	---	---	---	---	---	---	---
	9/23/2024	DC-15-092324	**6.0**	< 0.5	< 1	---	---	---	---	---	---	---
	12/17/2024	DC-15-12172024	**6.7**	< 0.5	< 1	---	---	---	---	---	---	---
DC-17 [4]	4/25/2007	DC-17	**47**	---	---	---	---	---	---	---	---	---
	4/16/2008	DC-17	**74.6**	---	---	---	---	---	---	---	---	---
	5/31/2013	DC-17	**21**	---	---	---	---	---	---	---	---	---
	10/23/2014	DC-17	**17**	---	---	---	---	---	---	---	---	---
	12/16/2015	DC-17	**15.1**	---	---	---	---	---	---	---	---	---
	3/17/2017	DC-17	**13.9**	---	---	---	---	---	---	---	---	---
	10/23/2017	DC-17	**8.06**	---	---	---	---	---	---	---	---	---
	1/26/2018	DC-17	**7.38**	---	---	---	---	---	---	---	---	---
	4/20/2018	DC-17	**10.1**	---	---	---	---	---	---	---	---	---
	7/20/2018	DC-17	**8.62**	---	---	---	---	---	---	---	---	---
	10/19/2018	DC-17	**8.24**	---	---	---	---	---	---	---	---	---
	5/21/2019	DC-17	**8.62**	---	---	---	---	---	---	---	---	---
	10/30/2019	DC-17	**5.72**	---	---	---	---	---	---	---	---	---
	12/9/2021	DC-17	0.810	---	---	---	---	---	---	---	---	---
	12/16/2024	DC-17	Not Sampled									
DC-18	4/25/2007	DC-18	**19**	---	---	---	---	---	---	---	---	---
	4/5/2012	DC-18	**7.2**	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-18	4.8	---	---	---	---	---	---	---	---	---
	10/28/2014	DC-18	3.0	---	---	---	---	---	---	---	---	---
	12/14/2015	DC-18	3.19	---	---	---	---	---	---	---	---	---
	3/16/2017	DC-18	3.24	---	---	---	---	---	---	---	---	---
	10/26/2017	DC-18	3.26	---	---	---	---	---	3.00	---	---	---
	4/20/2018	DC-18	3.31	---	---	---	---	---	3.23	---	---	---
	10/19/2018	DC-18	2.79	---	---	---	---	---	2.36	---	---	---
DC-19	6/4/2007	DC-19	0.79	---	---	---	---	---	---	---	---	---
	4/14/2008	DC-19	0.66	---	---	---	---	---	---	---	---	---
	4/4/2012	DC-19	< 2.0	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

Table 4
Historical Summary of Groundwater Analytical Results
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-20	6/2/2008	DC-20	**8.1**	---	---	---	---	---	---	---	---	---
	5/30/2013	DC-20	1.7	---	---	---	---	---	---	---	---	---
	4/14/2014	DC-20	1.4	---	---	---	---	---	---	---	---	---
	10/28/2014	DC-20	< 1.0	---	---	---	---	---	---	---	---	---
	12/15/2015	DC-20	1.74	---	---	1.82	---	---	---	---	---	---
	3/15/2017	DC-20	2.00	---	---	---	---	---	---	---	---	---
	10/27/2017	DC-20	0.991	---	---	---	---	---	---	---	---	---
	4/19/2018	DC-20	1.14	---	---	---	---	---	---	---	---	---
	10/19/2018	DC-20	0.885	---	---	---	---	0.54	---	---	0.60	---
KMW-1	4/11/2006	KMW-1	< 1.0	---	---	---	---	---	---	---	---	---
	10/26/2006	KMW-1	< 1.0	---	---	---	---	---	---	---	---	---
	4/25/2007	KMW-1	< 0.2	---	---	---	---	---	---	---	---	---
	4/14/2008	KMW-1	< 0.2	---	---	---	---	---	0.450	---	---	---
	4/3/2012	KMW-1	< 2.0	---	---	---	---	---	---	---	---	---
KMW-2	6/12/2006	KMW-2	**130**	---	---	---	---	---	---	---	---	---
	8/8/2006	KMW-2	**130**	---	---	---	---	---	---	---	---	---
	10/26/2006	KMW-2	**190**	---	---	---	---	---	---	---	---	---
	4/24/2007	KMW-2	**63**	---	---	---	---	---	---	---	---	---
	4/16/2008	KMW-2	**95.8**	---	---	---	---	---	---	---	---	---
	3/8/2010	KMW-2	**81**	---	---	---	---	---	---	---	---	---
	11/3/2010	KMW-2	**74**	---	---	---	---	---	---	---	---	---
	6/1/2011	KMW-2	**12**	---	---	---	140	---	---	---	---	---
	7/20/2011	KMW-2	**44**	---	---	---	---	---	---	---	---	---
	10/19/2011	KMW-2	**40**	---	---	---	---	---	---	---	---	---
	4/6/2012	KMW-2	**25**	---	---	---	---	---	---	---	---	---
	5/31/2013	KMW-2	**22**	---	---	---	---	---	---	---	---	---
	10/29/2014	KMW-2	**18**	---	---	---	---	---	---	---	---	---
	12/15/2015	KMW-2	**15.1**	---	---	---	---	---	---	---	---	---
	12/15/2016	KMW-2	1.18	---	---	---	---	---	---	---	---	---
	3/14/2017	KMW-2	< 1.00	---	---	---	---	---	---	---	---	---
	7/18/2017	KMW-2	< 1.00	---	---	---	---	---	---	---	---	---
	10/24/2017	KMW-2	< 0.500	---	---	---	---	---	---	---	---	---
	4/18/2018	KMW-2	< 0.500	---	---	---	---	---	---	---	---	---
	10/16/2018	KMW-2	< 0.500	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

Table 4
Historical Summary of Groundwater Analytical Results
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
KMW-3	6/12/2006	KMW-3	**20**	---	---	---	---	---	---	---	---	---
	10/26/2006	KMW-3	**13**	---	---	---	---	---	---	---	---	---
	4/24/2007	KMW-3	**9.9**	---	---	---	---	---	---	---	---	---
	11/2/2010	KMW-3	**11**	---	---	---	---	---	---	---	---	---
	5/31/2011	KMW-3	**6.2**	---	---	---	---	---	---	---	---	---
	7/20/2011	KMW-3	**12**	---	---	---	---	---	---	---	---	---
	10/18/2011	KMW-3	**11**	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-3	**6.8**	---	---	---	---	---	---	---	---	---
	10/28/2014	KMW-3	< 1.0	---	---	---	---	---	---	---	---	---
	3/14/2017	KMW-3	3.23	---	---	---	---	---	---	---	---	---
	10/26/2017	KMW-3	**5.78**	---	---	---	---	---	---	---	---	---
	1/25/2018	KMW-3	4.95	---	---	---	---	---	---	---	---	---
	4/20/2018	KMW-3	**5.37**	---	---	---	---	---	---	---	---	---
	7/19/2018	KMW-3	**5.18**	---	---	---	---	---	---	---	---	---
	10/23/2018	KMW-3	**5.41**	---	---	---	---	---	---	---	---	---
	10/25/2019	KMW-3	4.74	---	---	---	---	---	---	---	---	---
	12/9/2021	KMW-3	3.40	---	---	---	---	---	---	---	---	---
	12/18/2024	KMW-3-12182024	3.6	< 0.5	< 1	---	---	---	---	---	---	---
KMW-4	4/25/2007	KMW-4	0.73	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-4	< 2.0	---	---	---	---	---	---	---	---	---
KMW-5	4/25/2007	KMW-5	0.82	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-5	< 2.0	---	---	---	---	---	---	---	---	---
KMW-6	4/24/2007	KMW-6	3.8	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-6	< 2.0	---	---	---	---	---	---	---	---	---
KMW-7	4/24/2007	KMW-7	3.8	---	---	---	---	---	---	---	---	---
	4/15/2008	KMW-7	3.9	---	---	---	---	---	---	---	---	---
	11/3/2010	KMW-7	< 2.0	---	---	---	---	---	---	---	---	---
	5/30/2011	KMW-7	2.3	---	---	---	---	---	---	---	---	---
	7/20/2011	KMW-7	< 2.0	---	---	---	---	---	---	---	---	---
	10/18/2011	KMW-7	< 2.0	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-7	3.3	---	---	---	---	---	---	---	---	---
	10/28/2014	KMW-7	2.0	---	---	---	---	---	---	2.8	---	---
	12/15/2015	KMW-7	2.17	---	---	---	---	---	---	---	---	---
	3/16/2017	KMW-7	1.17	---	---	---	---	---	---	---	---	---
	10/25/2017	KMW-7	< 0.500	---	---	---	---	---	---	---	---	---
	4/19/2018	KMW-7	1.59	---	---	---	---	---	---	---	---	---
	10/23/2018	KMW-7	0.711	---	---	---	---	---	---	---	---	---
	10/29/2019	KMW-7	0.631	---	---	---	---	---	---	---	---	---
	12/10/2021	KMW-7	0.620	---	---	---	---	---	---	---	---	---
	12/16/2024	KMW-7-12162024	< 1	< 0.5	< 1	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

Table 4
Historical Summary of Groundwater Analytical Results
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
KMW-8	4/24/2007	KMW-8	**11**	---	---	---	---	---	---	---	---	---
	4/15/2008	KMW-8	**17.4**	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-8	**10**	---	---	---	---	---	---	---	---	---
	10/28/2014	KMW-8	**5.9**	---	---	---	---	---	---	---	---	---
	12/15/2015	KMW-8	3.98	---	---	---	---	---	---	---	---	---
	3/16/2017	KMW-8	**6.71**	---	---	---	---	---	---	---	---	---
	7/19/2017	KMW-8	5.00	---	---	---	---	---	---	---	---	---
	10/26/2017	KMW-8	4.99	---	---	---	---	---	1.15	---	---	---
	1/25/2018	KMW-8	**5.89**	---	---	---	---	---	2.01	---	---	---
	4/19/2018	KMW-8	**5.74**	---	---	---	---	---	1.68	---	---	---
	7/19/2018	KMW-8	**5.17**	---	---	---	---	---	1.13	---	---	---
	10/23/2018	KMW-8	**5.26**	---	---	---	---	---	1.16	---	---	---
	10/28/2019	KMW-8	**6.24**	---	---	---	---	---	---	---	---	---
	12/10/2021	KMW-8	1.94	---	---	---	---	---	---	---	---	---
	12/16/2024	KMW-8-12162024	3.8	< 0.5	< 1	---	---	---	---	---	---	---
KMW-9	4/26/2007	KMW-9	**9.3**	---	---	---	---	---	---	---	---	---
	3/8/2010	KMW-9	4.4	---	---	---	---	---	---	---	---	---
	11/4/2010	KMW-9	2.8	---	---	---	---	---	---	---	---	---
	4/5/2012	KMW-9	4.0	---	---	---	---	---	---	---	---	---
	4/15/2014	KMW-9	1.0	---	---	---	---	---	---	---	---	---
	10/27/2014	KMW-9	< 1.00	---	---	---	---	---	---	---	---	---
	12/10/2015	KMW-9	1.47	---	---	---	---	---	---	---	---	---
	3/15/2017	KMW-9	2.07	---	---	---	---	---	---	---	---	---
	10/26/2017	KMW-9	0.770	---	---	---	---	---	---	---	---	---
	4/18/2018	KMW-9	1.02	---	---	---	---	---	---	---	---	---
	10/18/2018	KMW-9	< 0.500	---	---	---	---	---	0.699	---	---	---
Deep Monitoring Wells												
MW-19	10/29/2019	MW-19	< 0.500	---	---	---	---	---	0.560	---	---	---
	12/4/2019	MW-19	< 0.500	---	---	---	---	---	---	---	---	---
DC-5 [4]	2/4/1999	DC-5	2.4	---	---	---	---	---	---	---	---	---
	4/8/1999	DC-5	1.6	---	---	---	---	---	2.6	---	---	1.0
	7/25/2005	DC-5	**37**	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-5	1.3	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-5	2.1	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-5	2.1	---	---	---	---	---	---	---	---	---
	5/30/2011	DC-5	< 2.0	---	---	---	---	---	---	---	---	---
	7/19/2011	DC-5	< 2.0	---	---	---	---	---	---	---	---	---
	10/18/2011	DC-5	< 2.0	---	---	---	---	---	---	---	---	---
	4/6/2012	DC-5	< 2.0	---	---	---	---	---	---	---	---	---
	5/29/2013	DC-5	< 1.0	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

Table 4
Historical Summary of Groundwater Analytical Results
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-9B	4/8/1999	DC-9B	1.4	---	---	---	---	---	1.4	---	---	2.9
	3/6/2001	DC-9B	2.0	---	---	---	---	---	---	---	---	---
	6/20/2001	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-9B	**6.4**	---	---	---	---	---	---	---	---	---
	7/25/2005	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---
	8/8/2006	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---
	10/26/2006	DC-9B	< 1.0	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-9B	< 0.2	---	---	---	---	---	---	---	---	---
	4/15/2008	DC-9B	0.60	---	---	---	---	---	---	---	---	---
	---	---	Monitoring well decommissioned									
DC-10B	4/8/1999	DC-10B	1.8	---	---	---	---	---	1.2	---	---	1.9
	3/6/2001	DC-10B	3.3	1.7	---	---	---	---	---	---	---	---
	6/20/2001	DC-10B	2.4	---	---	---	---	---	---	---	---	---
	9/17/2001	DC-10B	< 1.0	---	---	---	---	---	---	---	---	---
	12/20/2001	DC-10B	< 1.0	---	---	---	---	---	---	---	---	---
	7/25/2005	DC-10B	< 1.0	---	---	---	---	---	---	---	---	---
	4/11/2006	DC-10B	< 1.0	---	---	---	---	---	---	---	---	---
	4/26/2007	DC-10B	0.34	---	---	---	---	---	---	---	---	---
	11/3/2010	DC-10B	2.6	---	---	---	---	---	---	---	---	---
	5/30/2011	DC-10B	< 2.0	---	---	---	290	---	---	---	---	---
	7/19/2011	DC-10B	< 2.0	---	---	---	54	---	---	---	---	---
	10/18/2011	DC-10B	< 2.0	---	---	---	31	---	---	---	---	---
	4/6/2012	DC-10B	< 2.0	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

Table 4
Historical Summary of Groundwater Analytical Results
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
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Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			PCE	TCE	cis-1,2-Dichloroethene	1,2-Dichloropropane	Acetone	Benzene	Chloroform	p-Isopropyltoluene	sec-Butylbenzene	Toluene
DC-16	4/25/2007	DC-16	0.42	---	---	---	---	---	---	---	---	---
	11/5/2010	DC-16	< 2.0	---	---	---	---	---	---	---	---	---
	5/31/2011	DC-16	< 2.0	---	---	---	---	---	---	---	---	---
	7/19/2011	DC-16	< 2.0	---	---	---	---	---	---	---	---	---
	10/18/2011	DC-16	< 2.0	---	---	---	---	---	---	---	---	---
	4/6/2012	DC-16	< 2.0	---	---	---	---	---	---	---	---	---
KMW-5D	4/25/2007	KMW-5D	< 0.2	---	---	---	---	---	---	---	---	---
	4/3/2012	KMW-5D	< 2.0	---	---	---	---	---	---	---	---	---
MTCA Cleanup Levels for Groundwater[2]			**5**	**5**	**16[3]**	**5[3]**	**7,200[3]**	**5**	**14.1[3]**	**NE**	**800[3]**	**1,000**

NOTES:

Results in **bold** and highlighted yellow denote concentrations exceeding applicable cleanup levels.
< denotes analyte not detected at or exceeding the reporting limit listed.
--- denotes sample not analyzed or information unknown.
J = result is an estimate
NE = not established

[1] Analyzed by U.S. Environmental Protection Agency (EPA) Method 8260B. Samples collected in 2024 analyzed by EPA Method 8260D; detected and select analytes shown in table, see lab report for full list of analytes.

[2] Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

[3] Washington State Model Toxics Control Act Cleanup Regulation Cleanup Levels and Risk Calculations, Method B Potable Groundwater Cleanup Level, https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC

[4] Review of historical results indicate that DC-17 was inadvertently sampled as DC-5 in 2010, 2011 and 2012. This table reports the 2010 - 2012 DC-17 data as DC-5.

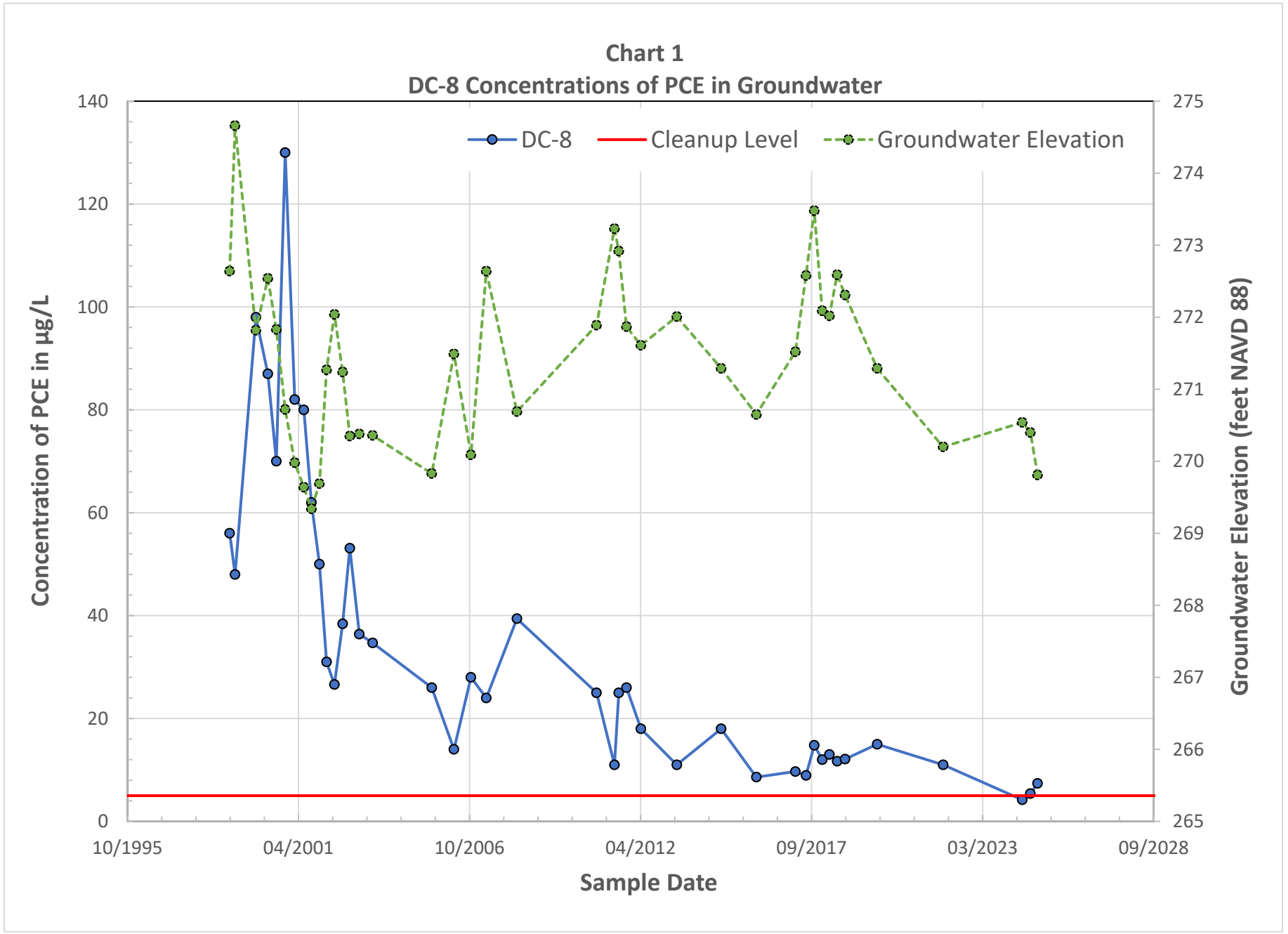


Chart 1
DC-8 Concentrations of PCE in Groundwater
DC-8
Cleanup Level
Groundwater Elevation
Concentration of PCE in µg/L
Groundwater Elevation (feet NAVD 88)
Sample Date
0
20
40
60
80
100
120
140
265
266
267
268
269
270
271
272
273
274
275
10/1995
04/2001
10/2006
04/2012
09/2017
03/2023
09/2028

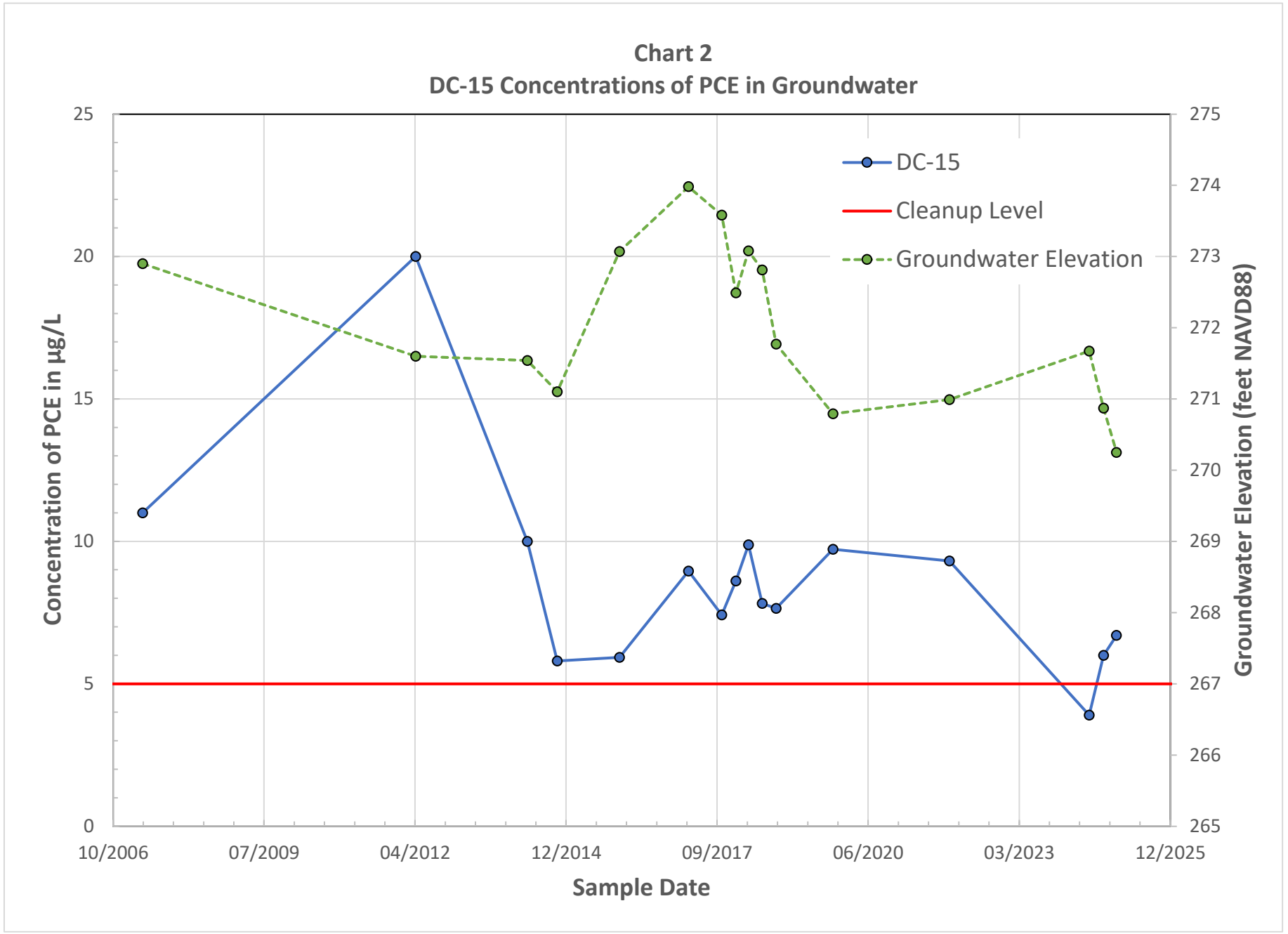


Chart 2
DC-15 Concentrations of PCE in Groundwater
DC-15
Cleanup Level
Groundwater Elevation
Concentration of PCE in µg/L
Groundwater Elevation (feet NAVD88)
Sample Date
0
5
10
15
20
25
265
266
267
268
269
270
271
272
273
274
275
10/2006
07/2009
04/2012
12/2014
09/2017
06/2020
03/2023
12/2025

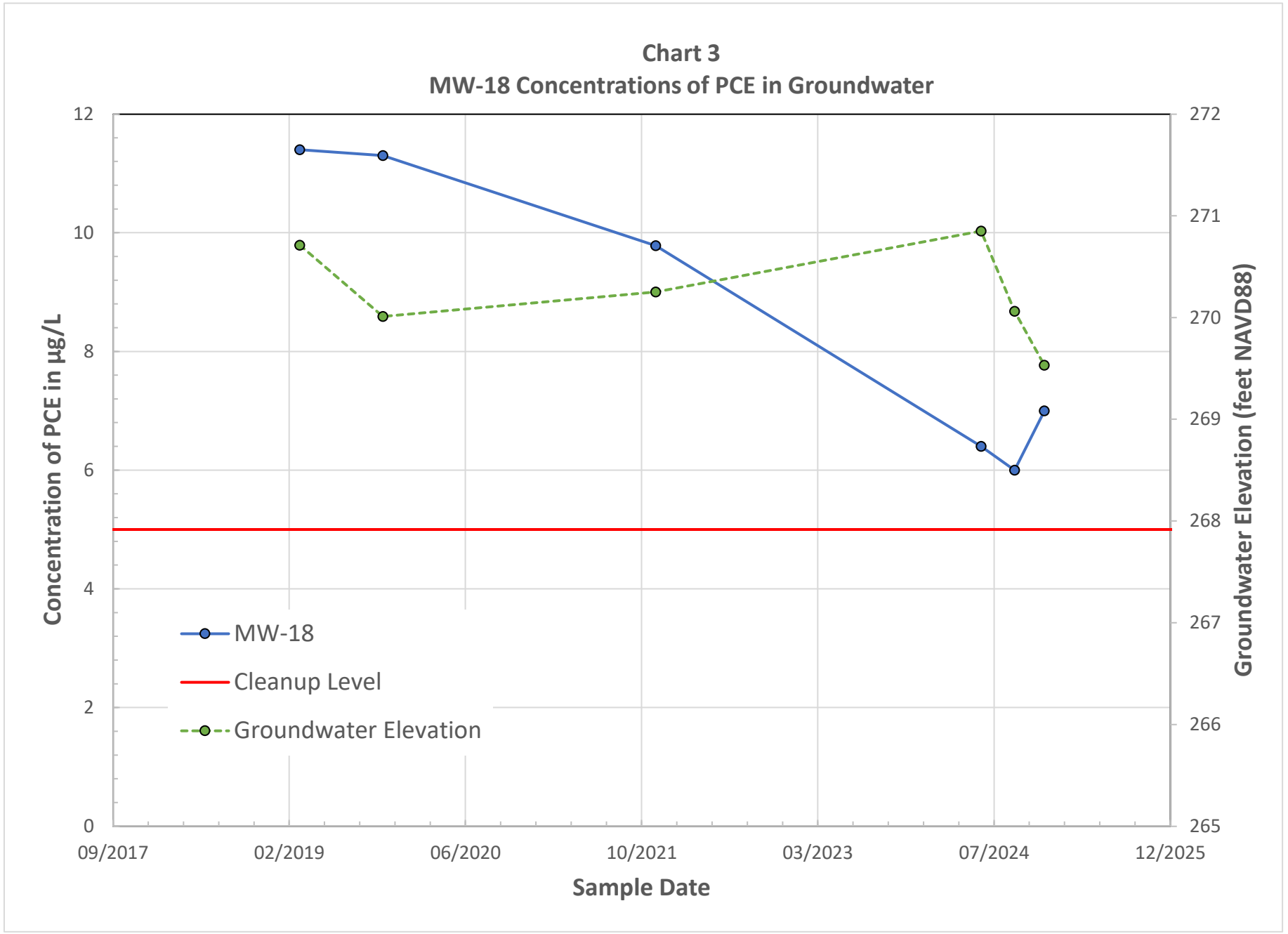


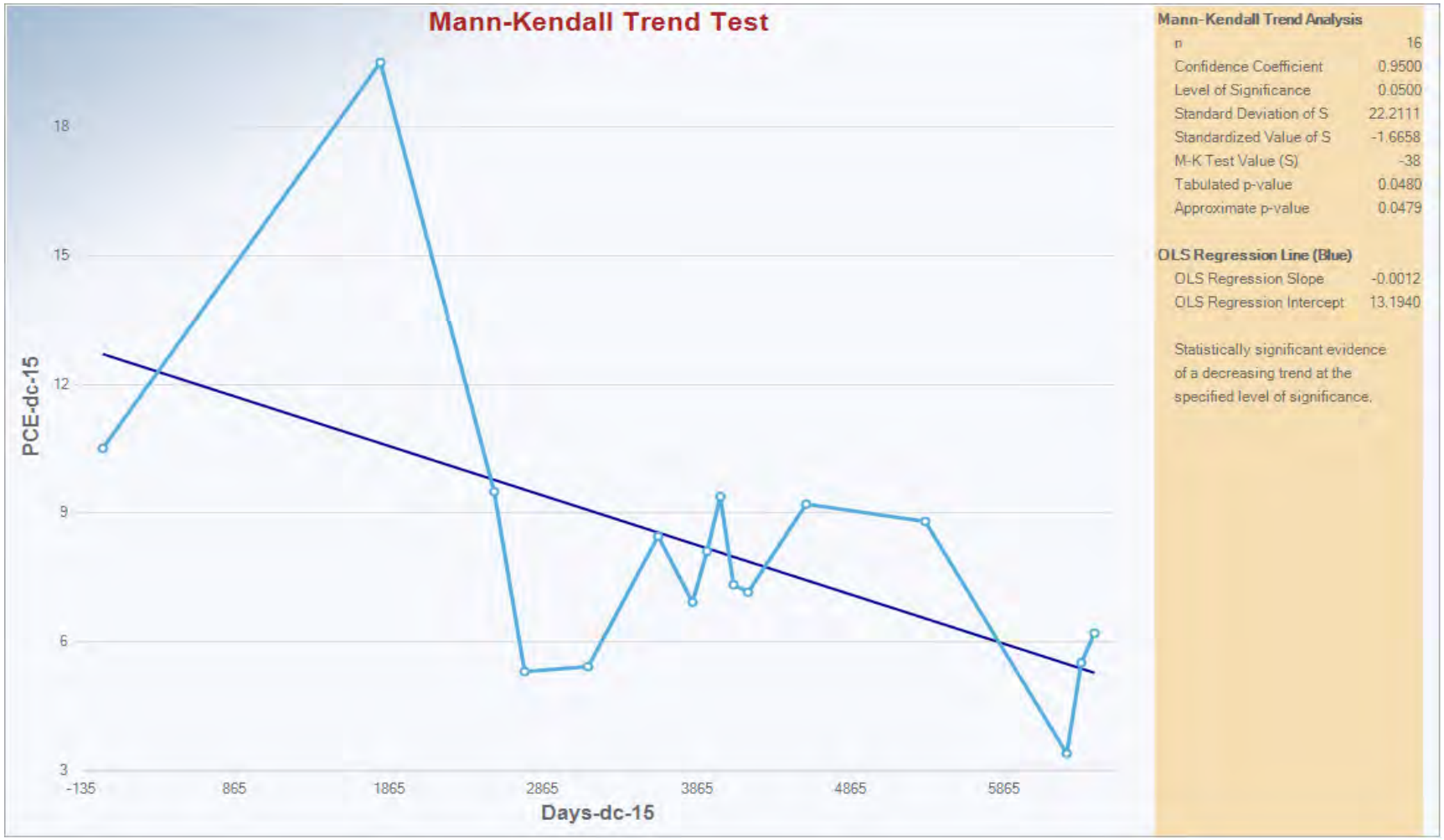
Chart 3
MW-18 Concentrations of PCE in Groundwater
Concentration of PCE in µg/L
Groundwater Elevation (feet NAVD88)
Sample Date
12
10
8
6
4
2
0
272
271
270
269
268
267
266
265
09/2017
02/2019
06/2020
10/2021
03/2023
07/2024
12/2025
MW-18
Cleanup Level
Groundwater Elevation

Chart 4
DC-8 Mann-Kendall Trend Test for PCE
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002

Notes:

PCE = tetrachloroethene

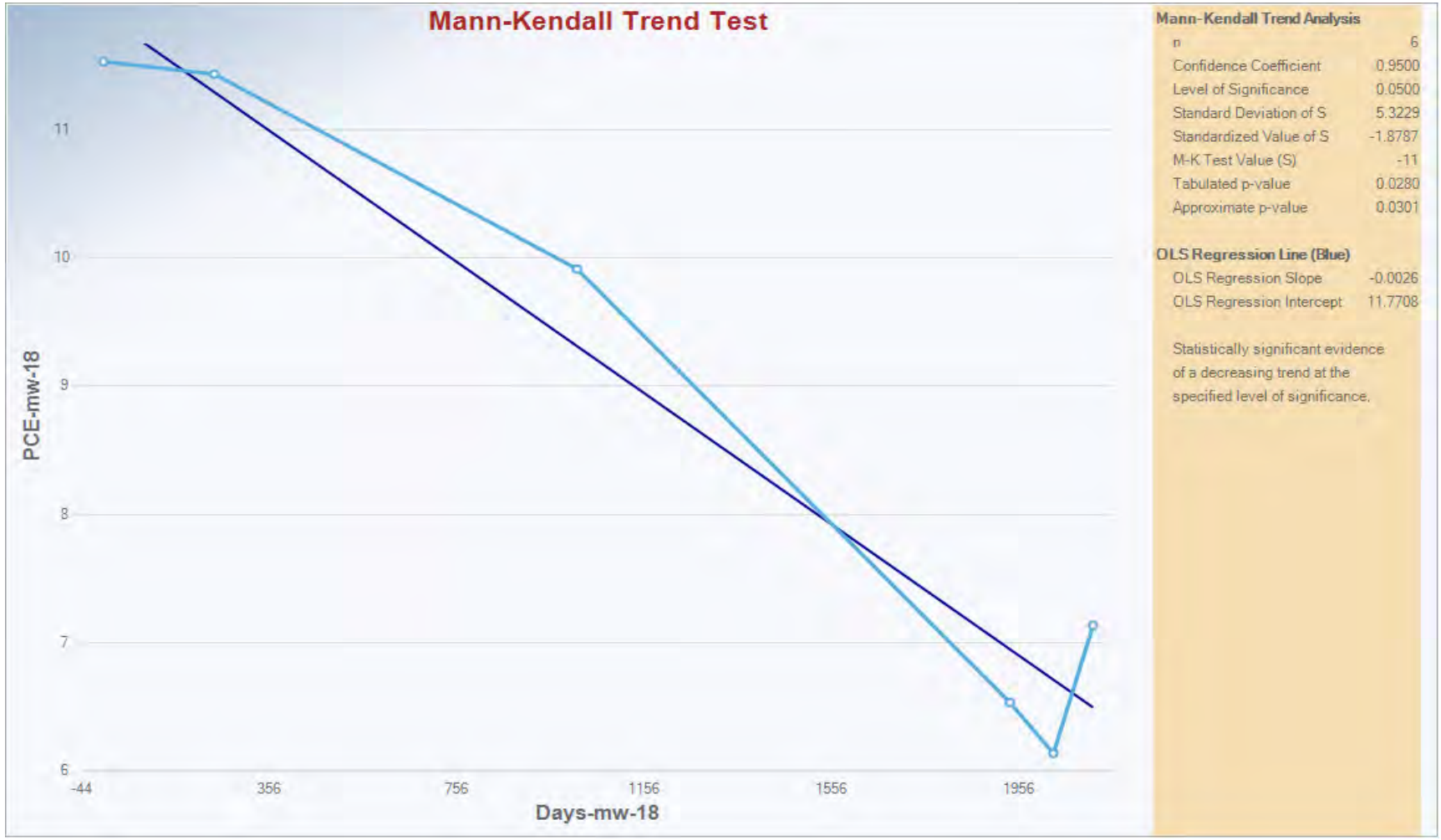
Chart 5
DC-15 Mann-Kendall Trend Test for PCE
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002



Notes:

PCE = tetrachloroethene

Chart 6
MW-18 Mann-Kendall Trend Test for PCE
Manhattan Village Shopping Center and Harris Properties
Normandy Park, Washington
Farallon PN: 578-002



Notes:

PCE = tetrachloroethene

ATTACHMENT A
LABORATORY ANALYTICAL REPORTS

STATUS REPORT – JULY 2024 THROUGH DECEMBER 2024
Manhattan Village Shopping Center and Harris Properties
17847, 17855, and 17817 First Avenue South
Normandy Park, Washington

Farallon PN: 578-002

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

May 3, 2024

Brianne Goulet, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Ms Goulet:

Included are the results from the testing of material submitted on April 25, 2024 from the Manhatten Village 578-002, F&BI 404412 project. There are 8 pages included in this report.

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

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Sarah Snyder
FLN0503R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on April 25, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Manhatten Village 578-002, F&BI 404412 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
404412 -01	SVS-10-042524
404412 -02	SVS-11-042524
404412 -03	SVS-18-042524
404412 -04	SVS-13-042524

Sample SVS-18-042524 contained tetrachloroethene above the instrument calibration range. The data were flagged accordingly.

All other quality control requirements were acceptable.

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SVS-11-042524	Client:	Farallon Consulting, LLC
Date Received:	04/25/24	Project:	Manhatten Village 578-002, F&BI 404412
Date Collected:	04/25/24	Lab ID:	404412-02 1/8.3
Date Analyzed:	04/26/24	Data File:	042614.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	88	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<2.1	<0.83
Chloroethane	<22	<8.3
1,1-Dichloroethene	<3.3	<0.83
trans-1,2-Dichloroethene	<3.3	<0.83
1,1-Dichloroethane	<3.4	<0.83
cis-1,2-Dichloroethene	<3.3	<0.83
1,2-Dichloroethane (EDC)	<0.34	<0.083
1,1,1-Trichloroethane	7.0	1.3
Trichloroethene	<0.89	<0.17
1,1,2-Trichloroethane	<0.45	<0.083
Tetrachloroethene	540	80

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SVS-18-042524	Client:	Farallon Consulting, LLC
Date Received:	04/25/24	Project:	Manhatten Village 578-002, F&BI 404412
Date Collected:	04/25/24	Lab ID:	404412-03 1/8.5
Date Analyzed:	04/26/24	Data File:	042616.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	86	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<2.2	<0.85
Chloroethane	<22	<8.5
1,1-Dichloroethene	<3.4	<0.85
trans-1,2-Dichloroethene	<3.4	<0.85
1,1-Dichloroethane	<3.4	<0.85
cis-1,2-Dichloroethene	<3.4	<0.85
1,2-Dichloroethane (EDC)	<0.34	<0.085
1,1,1-Trichloroethane	<4.6	<0.85
Trichloroethene	<0.91	<0.17
1,1,2-Trichloroethane	<0.46	<0.085
Tetrachloroethene	920 ve	140 ve

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SVS-13-042524	Client:	Farallon Consulting, LLC
Date Received:	04/25/24	Project:	Manhatten Village 578-002, F&BI 404412
Date Collected:	04/25/24	Lab ID:	404412-04 1/8.6
Date Analyzed:	04/26/24	Data File:	042615.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	92	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<2.2	<0.86
Chloroethane	<23	<8.6
1,1-Dichloroethene	<3.4	<0.86
trans-1,2-Dichloroethene	<3.4	<0.86
1,1-Dichloroethane	<3.5	<0.86
cis-1,2-Dichloroethene	<3.4	<0.86
1,2-Dichloroethane (EDC)	<0.35	<0.086
1,1,1-Trichloroethane	<4.7	<0.86
Trichloroethene	<0.92	<0.17
1,1,2-Trichloroethane	<0.47	<0.086
Tetrachloroethene	700	100

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Manhatten Village 578-002, F&BI 404412
Date Collected:	04/26/24	Lab ID:	04-0964 mb
Date Analyzed:	04/26/24	Data File:	042613.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	90	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<0.26	<0.1
Chloroethane	<2.6	<1
1,1-Dichloroethene	<0.4	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1
1,1-Dichloroethane	<0.4	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01
1,1,1-Trichloroethane	<0.55	<0.1
Trichloroethene	<0.11	<0.02
1,1,2-Trichloroethane	<0.055	<0.01
Tetrachloroethene	<6.8	<1

Date of Report: 05/03/24
Date Received: 04/25/24
Project: Manhatten Village 578-002, F&BI 404412

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 404443-01 1/5.1 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 30)
Vinyl chloride	ug/m3	<1.3	<1.3	nm
Chloroethane	ug/m3	<13	<13	nm
1,1-Dichloroethene	ug/m3	<2	<2	nm
trans-1,2-Dichloroethene	ug/m3	<2	<2	nm
1,1-Dichloroethane	ug/m3	<2.1	<2.1	nm
cis-1,2-Dichloroethene	ug/m3	<2	<2	nm
1,2-Dichloroethane (EDC)	ug/m3	<0.21	<0.21	nm
1,1,1-Trichloroethane	ug/m3	<2.8	<2.8	nm
Trichloroethene	ug/m3	<0.55	<0.55	nm
1,1,2-Trichloroethane	ug/m3	<0.28	<0.28	nm
Tetrachloroethene	ug/m3	<35	<35	nm

Date of Report: 05/03/24
Date Received: 04/25/24
Project: Manhatten Village 578-002, F&BI 404412

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	ug/m3	35	94	70-130
Chloroethane	ug/m3	36	97	70-130
1,1-Dichloroethene	ug/m3	54	99	70-130
trans-1,2-Dichloroethene	ug/m3	54	100	70-130
1,1-Dichloroethane	ug/m3	55	104	70-130
cis-1,2-Dichloroethene	ug/m3	54	95	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	104	70-130
1,1,1-Trichloroethane	ug/m3	74	101	70-130
Trichloroethene	ug/m3	73	102	70-130
1,1,2-Trichloroethane	ug/m3	74	109	70-130
Tetrachloroethene	ug/m3	92	103	70-130

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.

404412 Brianne Goulet, Sarah Snyder

SAMPLE CHAIN OF CUSTODY 04/25/24

Report To _____

Company Farallon

Address _____

City, State, ZIP _____

Phone _____ Email BGoulet, SSnyder @farallonconsulting.com

SAMPLERS (signature) [signature]

PROJECT NAME & ADDRESS: Manhattan Village

PO # S78002

NOTES:

INVOICE TO: AP

Page # 1 of 1

TURNAROUND TIME
✓ Standard
RUSH _____
Rush charges authorized by: _____

SAMPLE DISPOSAL
Default: Clean following final report delivery
Hold (Fee may apply): _____

SAMPLE INFORMATION										ANALYSIS REQUESTED						
Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. ("Hg)	Field Initial Time	Final Vac. ("Hg)	Field Final Time	TO15 Full Scan	TO15 BTEXN	TO15 cVOCs	APH	Helium		Notes
SVS-10-042524	01	2295	17	IA / (SG)	4/25/24	30+	1102	3.5	1109			X				DO Not analyze
SVS-11-042524	02	6098	18	IA / (SG)	4/25/24	30+	1130	5.0	1137			X				
SVS-18-042524	03	6210	111	IA / (SG)	4/25/24	29.5	1345	5.0	1350			X				
SVS-13-042524	04	6537	01	IA / (SG)	4/25/24	29.5	1424	5.0	1431			X				
				IA / SG												
				IA / SG												
				IA / SG							Samples received at 17 °C					
				IA / SG												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [signature]	Braeden Lukens	Farallon	4/25/24	1636
Received by: [signature]	ANHPHAN	F&B	04/25/24	16:36
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
5500 4th Avenue South
Seattle, WA 98108
Ph. (206) 285-8282
Fax (206) 283-5044

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 404412 CLIENT FLN INITIALS/ DATE: AP 04/25/24

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 17 °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☐ YES ☒ NO

How did samples arrive?
☒ Over the Counter
☐ Picked up by F&BI
☐ FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 0 days

Is there a Chain-of-Custody* (COC)? ☒ YES ☐ NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	☒ Yes	☐ No	# of Containers	☒ Yes	☐ No
Date Sampled	☒ Yes	☐ No	Relinquished	☒ Yes	☐ No
Time Sampled	☒ Yes	☐ No	Requested analysis	☒ Yes	☐ No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Air Samples: Were any additional canisters/tubes received? ☐ NA ☐ YES ☒ NO

If Yes:
Number of unused TO15 canisters _____ Number of unused TO17 tubes _____

Explain "no" items from above (use the back if needed)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

June 28, 2024

Eric Buer, Project Manager
Farallon Consulting, LLC
975 5th Avenue Northwest
Issaquah, WA 98027

Dear Mr Buer:

Included are the results from the testing of material submitted on June 21, 2024 from the Manhattan Village 578-002, F&BI 406313 project. There are 11 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Farallon Data, Brianne Goulet
FLN0628R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on June 21, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Manhattan Village 578-002, F&BI 406313 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
406313 -01	MW-18-062024
406313 -02	MW-9-062024
406313 -03	MW-10-062024
406313 -04	MW-20-062024
406313 -05	DC-15-062024
406313 -06	DC-8-062024
406313 -07	DC-808
406313 -08	Trip Blank

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-18-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-01
Date Analyzed:	06/25/24	Data File:	062516.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	78	126
Toluene-d8	104	84	115
4-Bromofluorobenzene	106	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	6.4

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-9-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-02
Date Analyzed:	06/25/24	Data File:	062510.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-10-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-03
Date Analyzed:	06/25/24	Data File:	062511.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	1.5

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-20-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-04
Date Analyzed:	06/25/24	Data File:	062512.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	104	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-15-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-05
Date Analyzed:	06/25/24	Data File:	062513.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	106	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	3.9

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-8-062024	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-06
Date Analyzed:	06/25/24	Data File:	062515.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	104	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	4.2

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-808	Client:	Farallon Consulting, LLC
Date Received:	06/21/24	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	406313-07
Date Analyzed:	06/25/24	Data File:	062514.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	78	126
Toluene-d8	100	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	4.0

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Manhattan Village 578-002
Date Extracted:	06/25/24	Lab ID:	04-1329 mb
Date Analyzed:	06/25/24	Data File:	062509.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Date of Report: 06/28/24
Date Received: 06/21/24
Project: Manhattan Village 578-002, F&BI 406313

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 406313-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.02	115	50-150
Chloroethane	ug/L (ppb)	10	<1	108	50-150
1,1-Dichloroethene	ug/L (ppb)	10	<1	102	50-150
Methylene chloride	ug/L (ppb)	10	<5	97	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	105	50-150
1,1-Dichloroethane	ug/L (ppb)	10	<1	104	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	103	10-211
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	107	50-150
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	102	50-150
Trichloroethene	ug/L (ppb)	10	<0.5	99	35-149
Tetrachloroethene	ug/L (ppb)	10	1.5	103	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	112	117	64-142	4
Chloroethane	ug/L (ppb)	10	109	114	70-130	4
1,1-Dichloroethene	ug/L (ppb)	10	98	100	64-140	2
Methylene chloride	ug/L (ppb)	10	97	100	43-134	3
trans-1,2-Dichloroethene	ug/L (ppb)	10	99	100	70-130	1
1,1-Dichloroethane	ug/L (ppb)	10	97	100	70-130	3
cis-1,2-Dichloroethene	ug/L (ppb)	10	99	102	70-130	3
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	104	104	70-130	0
1,1,1-Trichloroethane	ug/L (ppb)	10	98	100	70-130	2
Trichloroethene	ug/L (ppb)	10	99	100	70-130	1
Tetrachloroethene	ug/L (ppb)	10	99	102	70-130	3

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.

406313

SAMPLE CHAIN OF CUSTODY 06/21/24 VW2

Page # 1 of 1

Report To Eric Buer + Brianne Gouiet

Company Farallon

Address 975 5th Ave NE

City, State, ZIP Issaquah WA 98027

Phone (425)295-0800 Email BGouiet@farallonconsulting.com

SAMPLERS (*signature*) SK + IA

PROJECT NAME: Manhattan Village

PO #: 578-002

REMARKS:

Project specific RLs? - Yes / No

INVOICE TO: AC

TURNAROUND TIME
- [x] 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	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
MW-18-062024	01 A-C	6-20-24	1220	water	3					X							
MW-9-062024	02		1355														
MW-10-062024	03		1545														
MW-20-062024	04		1750														
DL-15-062024	05		1400														
DL-8-062024	06		1540														
DC-808	07		1545														
Trip Blank	08 A-B	-	-	Water	2												Added at lab AP 06/21
												Samples received at					0 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Isabella Ancona	Isabella Ancona	Farallon	6/21/24	1120
Received by:	ANH PHAN	FBI	06/21/24	11:20
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 406313 CLIENT FLN INITIALS/ DATE: AP 06/21/24

If custody seals are present on cooler, are they intact? ☑ NA ☐ YES ☐ NO

Cooler/Sample temperature Ø °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☑ YES ☐ NO

How did samples arrive?
☑ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody* (COC)? ☑ YES ☐ NO Initials/ Date: AP 06/21/24
*or other representative documents, letters, and/or shipping memos

Number of days samples have been sitting prior to receipt at laboratory 1 days

Are the samples clearly identified? (explain "no" answer below) ☑ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☑ YES ☐ NO

Were appropriate sample containers used? ☑ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☑ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☐ NA ☑ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?
(explain "no" answer below)

Sample ID's	☑ Yes ☐ No	☐ Not on COC/label
Date Sampled	☑ Yes ☐ No	☐ Not on COC/label
Time Sampled	☑ Yes ☐ No	☐ Not on COC/label
# of Containers	☐ Yes ☑ No	Added Trip Blank at lab
Relinquished	☑ Yes ☐ No	
Requested analysis	☑ Yes ☐ On Hold	

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☑ NA ☐ YES ☐ NO

Number of unused TO15 canisters _____ **Number of unused TO17 tubes** _____

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

September 30, 2024

Brianne Goulet, Project Manager
Farallon Consulting, LLC
13555 36th St SE Suite 320
Bellevue, WA 98006

Dear Mr Goulet:

Included are the results from the testing of material submitted on September 24, 2024 from the Manhattan Village 578-002, F&BI 409388 project. There are 12 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN0930R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on September 24, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Manhattan Village 578-002, F&BI 409388 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
409388 -01	MW-21-092324
409388 -02	DC-15-092324
409388 -03	MW-18-092324
409388 -04	DC-8-092324
409388 -05	QA/QC-1-092324
409388 -06	MW-9-092324
409388 -07	MW-22-092324
409388 -08	MW-20-092324

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-21-092324	Client:	Farallon Consulting, LLC
Date Received:	09/24/24	Project:	Manhattan Village 578-002
Date Extracted:	09/26/24	Lab ID:	409388-01
Date Analyzed:	09/26/24	Data File:	092633.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	113	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	103	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	7.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-15-092324	Client:	Farallon Consulting, LLC
Date Received:	09/24/24	Project:	Manhattan Village 578-002
Date Extracted:	09/26/24	Lab ID:	409388-02
Date Analyzed:	09/26/24	Data File:	092629.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	100	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	6.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-18-092324	Client:	Farallon Consulting, LLC
Date Received:	09/24/24	Project:	Manhattan Village 578-002
Date Extracted:	09/26/24	Lab ID:	409388-03
Date Analyzed:	09/26/24	Data File:	092631.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	71	132
Toluene-d8	92	68	139
4-Bromofluorobenzene	101	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	6.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-8-092324	Client:	Farallon Consulting, LLC
Date Received:	09/24/24	Project:	Manhattan Village 578-002
Date Extracted:	09/26/24	Lab ID:	409388-04
Date Analyzed:	09/26/24	Data File:	092630.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	113	71	132
Toluene-d8	102	68	139
4-Bromofluorobenzene	103	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	5.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	QA/QC-1-092324	Client:	Farallon Consulting, LLC
Date Received:	09/24/24	Project:	Manhattan Village 578-002
Date Extracted:	09/26/24	Lab ID:	409388-05
Date Analyzed:	09/26/24	Data File:	092632.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	102	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	5.3

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-9-092324	Client:	Farallon Consulting, LLC
Date Received:	09/24/24	Project:	Manhattan Village 578-002
Date Extracted:	09/26/24	Lab ID:	409388-06
Date Analyzed:	09/26/24	Data File:	092628.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	71	132
Toluene-d8	102	68	139
4-Bromofluorobenzene	97	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-22-092324	Client:	Farallon Consulting, LLC
Date Received:	09/24/24	Project:	Manhattan Village 578-002
Date Extracted:	09/26/24	Lab ID:	409388-07
Date Analyzed:	09/26/24	Data File:	092634.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	71	132
Toluene-d8	100	68	139
4-Bromofluorobenzene	101	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	3.7

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-20-092324	Client:	Farallon Consulting, LLC
Date Received:	09/24/24	Project:	Manhattan Village 578-002
Date Extracted:	09/26/24	Lab ID:	409388-08
Date Analyzed:	09/26/24	Data File:	092625.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	IJL

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	78	126
Toluene-d8	95	84	115
4-Bromofluorobenzene	113	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02 k
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Manhattan Village 578-002
Date Extracted:	09/26/24	Lab ID:	04-2224 mb
Date Analyzed:	09/26/24	Data File:	092609.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	121	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02 k
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Date of Report: 09/30/24
Date Received: 09/24/24
Project: Manhattan Village 578-002, F&BI 409388

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 409388-08 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.02	112	50-150
Chloroethane	ug/L (ppb)	10	<1	107	50-150
1,1-Dichloroethene	ug/L (ppb)	10	<1	93	50-150
Methylene chloride	ug/L (ppb)	10	<5	88	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	93	50-150
1,1-Dichloroethane	ug/L (ppb)	10	<1	100	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	92	10-211
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	96	50-150
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	86	50-150
Trichloroethene	ug/L (ppb)	10	<0.5	89	35-149
Tetrachloroethene	ug/L (ppb)	10	<1	83	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	116	118	64-142	2
Chloroethane	ug/L (ppb)	10	111	113	70-130	2
1,1-Dichloroethene	ug/L (ppb)	10	98	99	64-140	1
Methylene chloride	ug/L (ppb)	10	104	103	43-134	1
trans-1,2-Dichloroethene	ug/L (ppb)	10	96	98	70-130	2
1,1-Dichloroethane	ug/L (ppb)	10	106	106	70-130	0
cis-1,2-Dichloroethene	ug/L (ppb)	10	95	97	70-130	2
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	101	100	70-130	1
1,1,1-Trichloroethane	ug/L (ppb)	10	91	92	70-130	1
Trichloroethene	ug/L (ppb)	10	93	93	70-130	0
Tetrachloroethene	ug/L (ppb)	10	88	86	70-130	2

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.

409388

SAMPLE CHAIN OF CUSTODY

09/24/24

Page # 1 of 1 VWY

Report To Brianne Goulet
Company Farallon
Address 13555 SE 36th St
City, State, ZIP Bellevue WA 98006
Phone (425) 295-0800 Email bgoulet@farallonconsulting.com

SAMPLERS (*signature*) Angie Osman

PROJECT NAME: Manhattan Village
PO #: 578-002
REMARKS: Project specific RLs? - Yes / No
INVOICE TO: AP

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	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 3260	PAHs EPA 3270	PCBs EPA 3082	HVOCs (8260)				Notes
MW-21-092324	01A-C	9/23/24	1310	Water	3								X				
DC-15-092324	02		1342										X				
MW-18-092324	03		1430										X				
DC-8-092324	04		1506										X				
QA/QC-1-092324	05		1510										X				
MW-9-092324	06		1536										X				
MW-22-092324	07		1628										X				
MW-20-092324	08		1720										X				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Angie Osman	FLN	9/23/24	1900
Received by:	VINH	FBI	9-24-24	1347
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
5500 4th Ave S.
Seattle WA 98108
(206) 285-8282
office@friedmanandbruya.com

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 409388 CLIENT Farallon INITIALS/ DATE: VV 9/24

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 4 °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☒ YES ☐ NO

How did samples arrive?
☐ Over the Counter ☒ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody* (COC)? ☒ YES ☐ NO Initials/ Date: 9/25
*or other representative documents, letters, and/or shipping memos

Number of days samples have been sitting prior to receipt at laboratory 1 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☐ NA ☒ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?
(explain "no" answer below)

Sample ID's	☒ Yes ☐ No		☐ Not on COC/label
Date Sampled	☒ Yes ☐ No		☐ Not on COC/label
Time Sampled	☐ Yes ☒ No	not match COC-06	☐ Not on COC/label
# of Containers	☒ Yes ☐ No		
Relinquished	☒ Yes ☐ No		
Requested analysis	☒ Yes ☐ On Hold		

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☒ NA ☐ YES ☐ NO

Number of unused TO15 canisters** _____ **Number of unused TO17 tubes** _____
**Fill out Green manifolds billing sheet

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

5500 4th Ave South
Seattle, WA 98108-2419
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www.friedmanandbruya.com

October 29, 2024

Brianne Goulet, Project Manager
Farallon Consulting, LLC
13555 36th St SE, Suite 320
Bellevue, WA 98006

Dear Ms Goulet:

Included are the results from the testing of material submitted on October 17, 2024 from the Manhattan Village 578-002, F&BI 410349 project. There are 8 pages included in this report.

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

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN1029R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on October 17, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting, LLC Manhattan Village 578-002, F&BI 410349 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting, LLC
410349 -01	SVS-18-101724
410349 -02	SVS-11-101724
410349 -03	SVS-13-101724

The tetrachloroethene concentration in samples SVS-18-101724, SVS-11-101724, and SVS-13-101724 exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SVS-18-101724	Client:	Farallon Consulting, LLC
Date Received:	10/17/24	Project:	Manhattan Village 578-002, F&BI 410349
Date Collected:	10/17/24	Lab ID:	410349-01 1/8.2
Date Analyzed:	10/21/24	Data File:	102123.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	100	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<2.1	<0.82
Chloroethane	<22	<8.2
1,1-Dichloroethene	<3.3	<0.82
trans-1,2-Dichloroethene	<3.3	<0.82
1,1-Dichloroethane	<3.3	<0.82
cis-1,2-Dichloroethene	<3.3	<0.82
1,2-Dichloroethane (EDC)	<0.33	<0.082
1,1,1-Trichloroethane	<4.5	<0.82
Trichloroethene	<0.88	<0.16
1,1,2-Trichloroethane	<0.45	<0.082
Tetrachloroethene	1,600 ve	240 ve

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SVS-11-101724	Client:	Farallon Consulting, LLC
Date Received:	10/17/24	Project:	Manhattan Village 578-002, F&BI 410349
Date Collected:	10/17/24	Lab ID:	410349-02 1/7.7
Date Analyzed:	10/21/24	Data File:	102122.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	98	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<2	<0.77
Chloroethane	<20	<7.7
1,1-Dichloroethene	<3.1	<0.77
trans-1,2-Dichloroethene	<3.1	<0.77
1,1-Dichloroethane	<3.1	<0.77
cis-1,2-Dichloroethene	<3.1	<0.77
1,2-Dichloroethane (EDC)	<0.31	<0.077
1,1,1-Trichloroethane	11	2.0
Trichloroethene	<0.83	<0.15
1,1,2-Trichloroethane	<0.42	<0.077
Tetrachloroethene	1,200 ve	180 ve

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SVS-13-101724	Client:	Farallon Consulting, LLC
Date Received:	10/17/24	Project:	Manhattan Village 578-002, F&BI 410349
Date Collected:	10/17/24	Lab ID:	410349-03 1/8.2
Date Analyzed:	10/21/24	Data File:	102121.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	96	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<2.1	<0.82
Chloroethane	<22	<8.2
1,1-Dichloroethene	<3.3	<0.82
trans-1,2-Dichloroethene	<3.3	<0.82
1,1-Dichloroethane	<3.3	<0.82
cis-1,2-Dichloroethene	<3.3	<0.82
1,2-Dichloroethane (EDC)	<0.33	<0.082
1,1,1-Trichloroethane	<4.5	<0.82
Trichloroethene	<0.88	<0.16
1,1,2-Trichloroethane	<0.45	<0.082
Tetrachloroethene	1,300 ve	190 ve

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	Method Blank	Client:	Farallon Consulting, LLC
Date Received:	Not Applicable	Project:	Manhattan Village 578-002, F&BI 410349
Date Collected:	10/21/24	Lab ID:	04-2513 mb
Date Analyzed:	10/21/24	Data File:	102111.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	96	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<0.26	<0.1
Chloroethane	<2.6	<1
1,1-Dichloroethene	<0.4	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1
1,1-Dichloroethane	<0.4	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01
1,1,1-Trichloroethane	<0.55	<0.1
Trichloroethene	<0.11	<0.02
1,1,2-Trichloroethane	<0.055	<0.01
Tetrachloroethene	<6.8	<1

Date of Report: 10/29/24
Date Received: 10/17/24
Project: Manhattan Village 578-002, F&BI 410349

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 410362-01 1/5.8 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 30)
Vinyl chloride	ug/m3	<1.5	<1.5	nm
Chloroethane	ug/m3	<15	<15	nm
1,1-Dichloroethene	ug/m3	<2.3	<2.3	nm
trans-1,2-Dichloroethene	ug/m3	<2.3	<2.3	nm
1,1-Dichloroethane	ug/m3	<2.3	<2.3	nm
cis-1,2-Dichloroethene	ug/m3	<2.3	<2.3	nm
1,2-Dichloroethane (EDC)	ug/m3	<0.23	<0.23	nm
1,1,1-Trichloroethane	ug/m3	<3.2	<3.2	nm
Trichloroethene	ug/m3	<0.62	<0.62	nm
1,1,2-Trichloroethane	ug/m3	<0.32	<0.32	nm
Tetrachloroethene	ug/m3	<39	<39	nm

Date of Report: 10/29/24
Date Received: 10/17/24
Project: Manhattan Village 578-002, F&BI 410349

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	ug/m3	35	116	70-130
Chloroethane	ug/m3	36	120	70-130
1,1-Dichloroethene	ug/m3	54	118	70-130
trans-1,2-Dichloroethene	ug/m3	54	118	70-130
1,1-Dichloroethane	ug/m3	55	124	70-130
cis-1,2-Dichloroethene	ug/m3	54	112	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	123	70-130
1,1,1-Trichloroethane	ug/m3	74	119	70-130
Trichloroethene	ug/m3	73	115	70-130
1,1,2-Trichloroethane	ug/m3	74	124	70-130
Tetrachloroethene	ug/m3	92	117	70-130

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 standard reporting limit. 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.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.

410349

SAMPLE CHAIN OF CUSTODY

10/17/24

Page # 1 of 1

Report To Brianne Goulet
Company Farallon
Address 13555 SE 36th St
City, State, ZIP Bellevue, WA
Phone 425-295-0800 Email

SAMPLERS (*signature*)

PROJECT NAME & ADDRESS: Manhattan Village

PO # 578-002

NOTES:

INVOICE TO

TURNAROUND TIME
☒ Standard
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Default: Clean following final report delivery
Hold (Fee may apply):

SAMPLE INFORMATION										ANALYSIS REQUESTED						
Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. ("Hg)	Field Initial Time	Final Vac. ("Hg)	Field Final Time	Chlorinated TO15 ~~Full Scan~~	TO15 BTEXN	APH	Chlorinated VOCs	Helium		Notes
SVS-18-101724	01	9491	77	IA / (SG)	10/17/24	-29	1007	-4	1012	X						Chlorinated per BG 10/17/24 ME
SVS-11-101724	02	8525	204	IA / (SG)	10/17/24	-29	1051	-5	1058	X						
SVS-13-101724	03	3667	93	IA / (SG)	10/17/24	-30	1142	-5	1148	X						
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												

Samples received at 15 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Drew Blackwell	Farallon	10/17/24	1215
Received by:	Matt Thurey	F&B	10/17/24	12:15
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
5500 4th Avenue South
Seattle, WA 98108
Ph. (206) 285-8282
Fax (206) 283-5044

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 410349 CLIENT Farallon INITIALS/ DATE: 10/17/24

If custody seals are present on cooler, are they intact? ☑ NA ☐ YES ☐ NO

Cooler/Sample temperature 15 °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☐ YES ☑ NO

How did samples arrive?
☑ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody* (COC)? ☑ YES ☐ NO Initials/ AP Date: 10/17/24
*or other representative documents, letters, and/or shipping memos

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below) ☑ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☑ YES ☐ NO

Were appropriate sample containers used? ☑ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☑ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☑ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?
(explain "no" answer below)

Sample ID's	☑ Yes ☐ No	☐ Not on COC/label
Date Sampled	☑ Yes ☐ No	☐ Not on COC/label
Time Sampled	☑ Yes ☐ No	☐ Not on COC/label
# of Containers	☑ Yes ☐ No	
Relinquished	☑ Yes ☐ No	
Requested analysis	☑ Yes ☐ On Hold	

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☐ NA ☑ YES ☐ NO

Number of unused TO15 canisters 01 (SN: 4177) **Number of unused TO17 tubes** _____

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

December 27, 2024

Sarah Snyder, Project Manager
Farallon Consulting
13555 36th St SE, Suite 320
Bellevue, WA 98006

Dear Ms Snyder:

Included are the results from the testing of material submitted on December 18, 2024 from the Manhattan Village 578-002, F&BI 412344 project. There are 20 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Farallon Data
FLN1227R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 18, 2024 by Friedman & Bruya, Inc. from the Farallon Consulting Manhattan Village 578-002, F&BI 412344 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Farallon Consulting
412344 -01	MW-4-12172024
412344 -02	MW-9-12182024
412344 -03	MW-10-12182024
412344 -04	MW-11-12182024
412344 -05	MW-17-12172024
412344 -06	MW-18-12162024
412344 -07	MW-20-12172024
412344 -08	MW-21-12172024
412344 -09	MW-22-12172024
412344 -10	DC-4-12172024
412344 -11	DC-7-12182024
412344 -12	DC-8-12172024
412344 -13	DC-15-12172024
412344 -14	KMW-3-12182024
412344 -15	KMW-7-12162024
412344 -16	KMW-8-12162024
412344 -17	Trip Blank

The 8260D calibration standard did not meet the acceptance criteria for methylene chloride. The data were flagged accordingly.

All other quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-4-12172024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-01
Date Analyzed:	12/24/24	Data File:	122407.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	92	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	3.4

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-9-12182024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-02
Date Analyzed:	12/24/24	Data File:	122408.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	78	126
Toluene-d8	95	84	115
4-Bromofluorobenzene	105	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-10-12182024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-03
Date Analyzed:	12/24/24	Data File:	122409.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	78	126
Toluene-d8	104	84	115
4-Bromofluorobenzene	102	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	1.1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-11-12182024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-04
Date Analyzed:	12/24/24	Data File:	122410.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	120	78	126
Toluene-d8	101	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	5.1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-17-12172024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-05
Date Analyzed:	12/24/24	Data File:	122411.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	78	126
Toluene-d8	103	84	115
4-Bromofluorobenzene	104	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	2.6

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-18-12162024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-06
Date Analyzed:	12/24/24	Data File:	122412.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	98	84	115
4-Bromofluorobenzene	100	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	7.0

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-20-12172024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-07
Date Analyzed:	12/24/24	Data File:	122413.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	78	126
Toluene-d8	94	84	115
4-Bromofluorobenzene	90	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-21-12172024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-08
Date Analyzed:	12/24/24	Data File:	122414.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	78	126
Toluene-d8	98	84	115
4-Bromofluorobenzene	105	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	7.9

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-22-12172024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-09
Date Analyzed:	12/24/24	Data File:	122415.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	78	126
Toluene-d8	94	84	115
4-Bromofluorobenzene	90	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	6.5

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-4-12172024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-10
Date Analyzed:	12/24/24	Data File:	122416.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	78	126
Toluene-d8	100	84	115
4-Bromofluorobenzene	95	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	2.6

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-7-12182024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-11
Date Analyzed:	12/24/24	Data File:	122417.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	78	126
Toluene-d8	95	84	115
4-Bromofluorobenzene	105	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	8.1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-8-12172024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-12
Date Analyzed:	12/24/24	Data File:	122418.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	78	126
Toluene-d8	101	84	115
4-Bromofluorobenzene	100	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	7.4

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	DC-15-12172024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-13
Date Analyzed:	12/24/24	Data File:	122419.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	86	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	6.7

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-3-12182024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-14
Date Analyzed:	12/24/24	Data File:	122420.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	78	126
Toluene-d8	93	84	115
4-Bromofluorobenzene	84	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	3.6

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-7-12162024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-15
Date Analyzed:	12/24/24	Data File:	122421.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	93	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-8-12162024	Client:	Farallon Consulting
Date Received:	12/18/24	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	412344-16
Date Analyzed:	12/24/24	Data File:	122422.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	78	126
Toluene-d8	98	84	115
4-Bromofluorobenzene	102	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	3.8

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Farallon Consulting
Date Received:	Not Applicable	Project:	Manhattan Village 578-002
Date Extracted:	12/24/24	Lab ID:	04-3160 mb
Date Analyzed:	12/24/24	Data File:	122408.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	MD

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	106	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5 ca
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<0.2
1,1,1-Trichloroethane	<1
Trichloroethene	<0.5
Tetrachloroethene	<1

Date of Report: 12/27/24
Date Received: 12/18/24
Project: Manhattan Village 578-002, F&BI 412344

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 412378-52 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.02	117	16-176
Chloroethane	ug/L (ppb)	10	<1	102	50-150
1,1-Dichloroethene	ug/L (ppb)	10	<1	105	50-150
Methylene chloride	ug/L (ppb)	10	<5	71	40-143
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	105	50-150
1,1-Dichloroethane	ug/L (ppb)	10	<1	105	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	105	50-150
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	99	50-150
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	101	50-150
Trichloroethene	ug/L (ppb)	10	<0.5	101	43-133
Tetrachloroethene	ug/L (ppb)	10	<1	103	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	107	107	43-149	0
Chloroethane	ug/L (ppb)	10	96	96	59-157	0
1,1-Dichloroethene	ug/L (ppb)	10	98	97	67-138	1
Methylene chloride	ug/L (ppb)	10	97	96	29-192	1
trans-1,2-Dichloroethene	ug/L (ppb)	10	99	98	70-130	1
1,1-Dichloroethane	ug/L (ppb)	10	99	99	70-130	0
cis-1,2-Dichloroethene	ug/L (ppb)	10	98	98	70-130	0
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	94	94	70-130	0
1,1,1-Trichloroethane	ug/L (ppb)	10	96	96	70-130	0
Trichloroethene	ug/L (ppb)	10	96	96	70-130	0
Tetrachloroethene	ug/L (ppb)	10	98	94	70-130	4

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, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. 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 between the method detection limit and the lowest calibration point. 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.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

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.

412344

SAMPLE CHAIN OF CUSTODY

12/18/24 VW4

Page # 1 of 2

Report To ~~Brianne Goulet~~ Sarah Snyder

Company Farallon

Address 13555 SE 36th St

City, State, ZIP Bellvue, WA

Phone (206)498-9528 Email bgoulet@farallonconsulting.com

SAMPLERS (*signature*) Isabella Ancona

PROJECT NAME: Manhattan Village

PO #: 578-002

REMARKS: *chlorinated VOCs per BG 12/18/24 MF

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- [x] 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	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
						ANALYSES REQUESTED											
MW-4-12172024	01 A-C	12/17/24	1135	GW	3					X							
MW-9-12182024	02	12/18/24	1235														
MW-10-12182024	03		1010														
MW-11-12182024	04		1120														
MW-17-12172024	05	12/17/24	0955														
MW-18-12162024	06	12/16/24	1514														
MW-20-12172024	07	12/17/24	1330														
MW-21-12172024	08		0930														
MW-22-12172024	09		1324														
DC-4-12172024	10		1125							✓							

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Isabella Ancona	Isabella Ancona	Farallon	12/18/24	1415
Received by:	ERIC YOUNG	FCR	12/18/24	1415
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
5500 4th Ave S.
Seattle WA 98108
(206) 285-8282
office@friedmanandbruya.com

412344

SAMPLE CHAIN OF CUSTODY

12/18/24 VW4

Page # 2 of 2

Report To ~~B. Goulet~~ Sarah Snyder

Company Farallon

Address

City, State, ZIP

Phone Email

SAMPLERS (*signature*) Isabella Ancona

PROJECT NAME: Manhattan Village

PO #: 578-002

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

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: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
DC-7-12182024	11 A-C	12/18/24	1200	GW	3												
DC-8-12172024	12	12/17/24	1505														
DC-15-12172024	13	↓	1450														
KMW-3-12182024	14	12/18/24	0945														
KMW-7-12162024	15	12/16/24	1615														
KMW-8-12162024	16	↓	1335	↓	↓					↓							
Trip Blank	17 AB	—	—	W	2												Added at lab (NP) 12/18/24

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Isabella Ancona	Isabella Ancona	Farallon	12/18/24	1415
Received by:	Eric Glover	F of B	12/18/24	1415
Relinquished by:		Samples received at 4 °C		
Received by:				

Friedman & Bruya, Inc.
5500 4th Ave S.
Seattle WA 98108
(206) 285-8282
office@friedmanandbruya.com

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 412344 CLIENT Favallon INITIALS/DATE: 12/18/24

If custody seals are present on cooler, are they intact? ☑ NA ☐ YES ☐ NO

Cooler/Sample temperature 4 °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☑ YES ☐ NO

How did samples arrive?
☑ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody* (COC)? ☑ YES ☐ NO Initials/Date: NP 12/18
*or other representative documents, letters, and/or shipping memos

Number of days samples have been sitting prior to receipt at laboratory 0 > 2 days

Are the samples clearly identified? (explain "no" answer below) ☑ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☑ YES ☐ NO

Were appropriate sample containers used? ☑ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☑ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☐ NA ☑ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?
(explain "no" answer below)

Sample ID's	☑ Yes	☐ No	☐ Not on COC/label
Date Sampled	☑ Yes	☐ No	☐ Not on COC/label
Time Sampled	☑ Yes	☐ No	☐ Not on COC/label
# of Containers	☐ Yes	☑ No	Added Trip Blank to COC.
Relinquished	☑ Yes	☐ No	
Requested analysis	☑ Yes	☐ On Hold	

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☑ NA ☐ YES ☐ NO

Number of unused TO15 canisters _____ **Number of unused TO17 tubes** _____

ATTACHMENT B
BORING LOGS

STATUS REPORT – JULY 2024 THROUGH DECEMBER 2024
Manhattan Village Shopping Center and Harris Properties
17847, 17855, and 17817 First Avenue South
Normandy Park, Washington

Farallon PN: 578-002

FARALLON CONSULTING

Log of Boring: MW-21

Client: Keller Rohrback, L.L.P. and Fox Rothschild, LLP
Project: Manhattan Village/Harris Properties
Location: 17847 1st Avenue South, Normandy Park, WA, USA
Farallon PN: 578-002
Logged By: I. Ancona
Reviewed By: J. Foslien

Date/Time Started: 09/19/2024 09:00
Date/Time Completed: 09/19/2024 13:45
Drilling Company: Cascade
Drilling Method: Hollow Stem
Drilling Equipment: CME 75
Drilling Operator: Curtis Askew
Sampler Type: Split-Spoon

Depth to Water ATD (ft bgs): 35.12
Boring Diameter (in): 8.25
Total Boring Depth (ft bgs): 42.5
Constructed Well Depth (ft bgs): 41.5

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	% Recovery	Blow Counts	PID (ppmv)	Sample ID	Sample Analyzed
		0-0.5: Asphalt. Air-knife to 8.0' bgs to clear for utilities.	ASP					
		0.5-10: Silty SAND (30% fines, 70% sand), fine to medium grained sand, trace fine to coarse sized gravel, brown, slightly moist, no odor, no staining.	SM			0.0		
10		10-11.5: Silty SAND (15% fines, 85% sand), fine grained sand, gray-brown, slightly moist, medium dense, no odor, no staining.	SM	78	17 14 25	0.0		
		11.5-15: Soil Not Logged.	(SNL)					
15		15-16.5: Silty SAND (15% fines, 85% sand), fine grained sand, gray-brown, slightly moist, medium dense, no odor, no staining.	SM	72	15 20 20	0.0		
		16.5-20: Soil Not Logged.	(SNL)					
20		20-21.5: Silty SAND (15% fines, 85% sand), fine grained sand, gray-brown, slightly moist, medium dense, no odor, no staining.	SM	67	12 17 14	0.0	Samples collected from drum cuttings.	
		21.5-25: Soil Not Logged.	(SNL)					
25		25-26.5: Silty SAND (15% fines, 85% sand), medium to coarse grained sand, dark gray-brown, moist, dense to very dense, no odor, no staining.	SM	39	20 50'6	0.0		
		26.5-30: Soil Not Logged.	(SNL)					
30		30-31.5: Silty SAND (15% fines, 85% sand), medium to coarse grained sand, dark gray-brown, moist, very dense, no odor, no staining.	SM	39	50'6	0.0		
		31.5-35: Soil Not Logged.	(SNL)					
35		35-36.5: Silty SAND (15% fines, 85% sand), medium to coarse grained sand, dark gray-brown, wet, very dense, no odor, no staining.	SM	56	50'6	0.0		
		36.5-40: Soil Not Logged.	(SNL)					
40		40-41.5: Silty SAND (15% fines, 85% sand), medium to coarse grained sand, dark gray-brown, wet, dense to very dense, no odor, no staining.	SM	100	25 50'5	0.0		
		41.5-42.5: Soil Not Logged.	(SNL)					
		MW-21 Terminate at 42.5ft						

Boring/Well Construction Details: Concrete; Bentonite; 2-inch SCH 40 PVC; 12/20 Sand; 0.010-inch slotted PVC; End Cap

Well Construction Information

Monument Type:	Flush Mount	**Filter Pack:**	12/20 Silica Sand	**Ground Surface Elevation (ft):**	305.85
Casing Diameter (in):	2.00	**Surface Seal:**	Concrete	**Top of Casing Elevation (ft):**	305.58
Screen Slot Size (in):	0.010	**Annular Seal:**	Hydrated Bentonite	**Surveyed Location:**	X:47.4434054 Y:-122.3356396
Screened Interval (ft bgs):	26.5-41.5	**Boring Abandonment:**	N/A	**Unique Well ID:**	BPW 734

Log of Boring: MW-22

Client: Keller Rohrback, L.L.P. and Fox Rothschild, LLP
Project: Manhattan Village/Harris Properties
Location: 17847 1st Avenue South, Normandy Park, WA, USA
Farallon PN: 578-002
Logged By: I. Ancona
Reviewed By: J. Foslien

Date/Time Started: 09/20/2024 09:25
Date/Time Completed: 09/20/2024 12:00
Drilling Company: Cascade
Drilling Method: Hollow Stem
Drilling Equipment: CME 75
Drilling Operator: Curtis Askew
Sampler Type: Split-Spoon

Depth to Water ATD (ft bgs): 35.84
Boring Diameter (in): 8.25
Total Boring Depth (ft bgs): 42.5
Constructed Well Depth (ft bgs): 42.5

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Water Level	% Recovery	Blow Counts	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		0-0.5: Soil Not Logged. Top soil/organic debris - leaves, pine needles. Air-knife to 5' bgs to clear for utilities.	PAV								Concrete
		0.5-5: Sandy SILT (60% fines, 40% sand), fine grained sand, light brown, low plasticity, dry, no odor, no staining, organic debris present - tree roots.	ML								
5		5-6.5: Sandy SILT (60% fines, 40% sand), fine grained sand, light brown, low plasticity, dry, medium dense, no odor, no staining.	ML			83	15 20 25	4.4			
		6.5-10: Soil Not Logged.	(SNL)								
10		10-11.5: Silty SAND (15% fines, 85% sand), fine grained sand, gray-brown, slightly moist, medium dense, no odor, no staining.	SM			72	15 20 20	0.0			
		11.5-15: Soil Not Logged.	(SNL)								Bentonite
15		15-16.5: Silty SAND (15% fines, 85% sand), fine grained sand, gray-brown, slightly moist, medium dense, no odor, no staining.	SM			56	15 12 20	0.0			
		16.5-20: Soil Not Logged.	(SNL)								
20		20-21.5: Silty SAND (30% fines, 70% sand), fine grained sand, gray-brown, moist, medium dense, no odor, no staining.	SM			56	10 12 15	0.0	Samples collected from drum cuttings.		2-inch SCH 40 PVC
		21.5-25: Soil Not Logged.	(SNL)								
25		25-26.5: Well-graded SAND with silt (10% fines, 85% sand, 5% gravel), fine to coarse grained sand, trace fine sized gravel, gray-brown, moist, very dense, no odor, no staining.	SW-SM			33	50'6	0.0			
		26.5-30: Soil Not Logged.	(SNL)								
30		30-31.5: Silty SAND (15% fines, 85% sand), medium to coarse grained sand, dark gray-brown, moist, dense, no odor, no staining.	SM			61	25 50'6	0.0			
		31.5-35: Soil Not Logged.	(SNL)								12/20 Sand
35		35-36.5: Silty SAND (15% fines, 85% sand), medium to coarse grained sand, dark gray-brown, moist, very dense, no odor, no staining.	SM		▽	33	50'6	9.6			0.010-inch slotted PVC
		36.5-40: Soil Not Logged.	(SNL)								
40		40-41.5: Silty SAND (15% fines, 85% sand), medium to coarse grained sand, dark gray-brown, wet, dense, no odor, no staining.	SM			100	20 50'6	0.0			
		41.5-42.5: Soil Not Logged.	(SNL)								End Cap
		MW-22 Terminate at 42.5ft									

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (in): 2.00
Screen Slot Size (in): 0.010
Screened Interval (ft bgs): 27.5-42.5
Filter Pack: 12/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Hydrated Bentonite
Boring Abandonment: N/A
Ground Surface Elevation (ft): 306.87
Top of Casing Elevation (ft): 306.4
Surveyed Location: X:47.4433176 Y:-122.3356126
Unique Well ID: BPW 735

ATTACHMENT C
SEATAC, WA WEATHER HISTORY

STATUS REPORT – JULY 2024 THROUGH DECEMBER 2024
Manhattan Village Shopping Center and Harris Properties
17847, 17855, and 17817 First Avenue South
Normandy Park, Washington

Farallon PN: 578-002

Search Locations

Popular Cities

San Francisco, CA
54 °F Cloudy (/weather/us/ca/san-francisco/37.78,-122.42)

Manhattan, NY
47 °F Mostly Cloudy (/weather/us/ny/manhattan/40

47.44 °N, **122.3** °W

SeaTac, WA Weather History

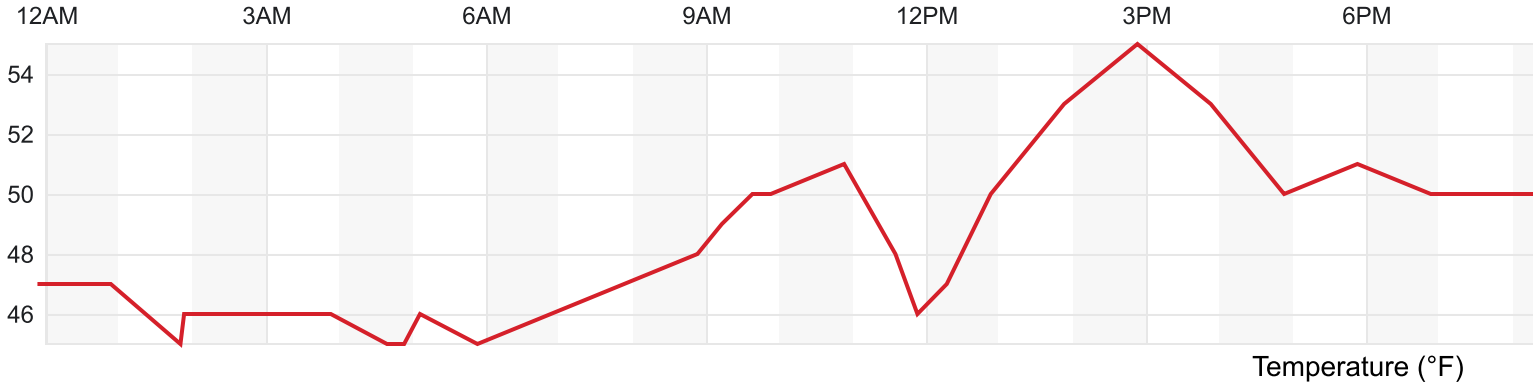
46° SEATTLE–TACOMA INTL AIRPORT STATION (/DASHBOARD/PWS/KWASEATA14?CM_VEN=LOCALWX_PWSDASH) | CHANGE

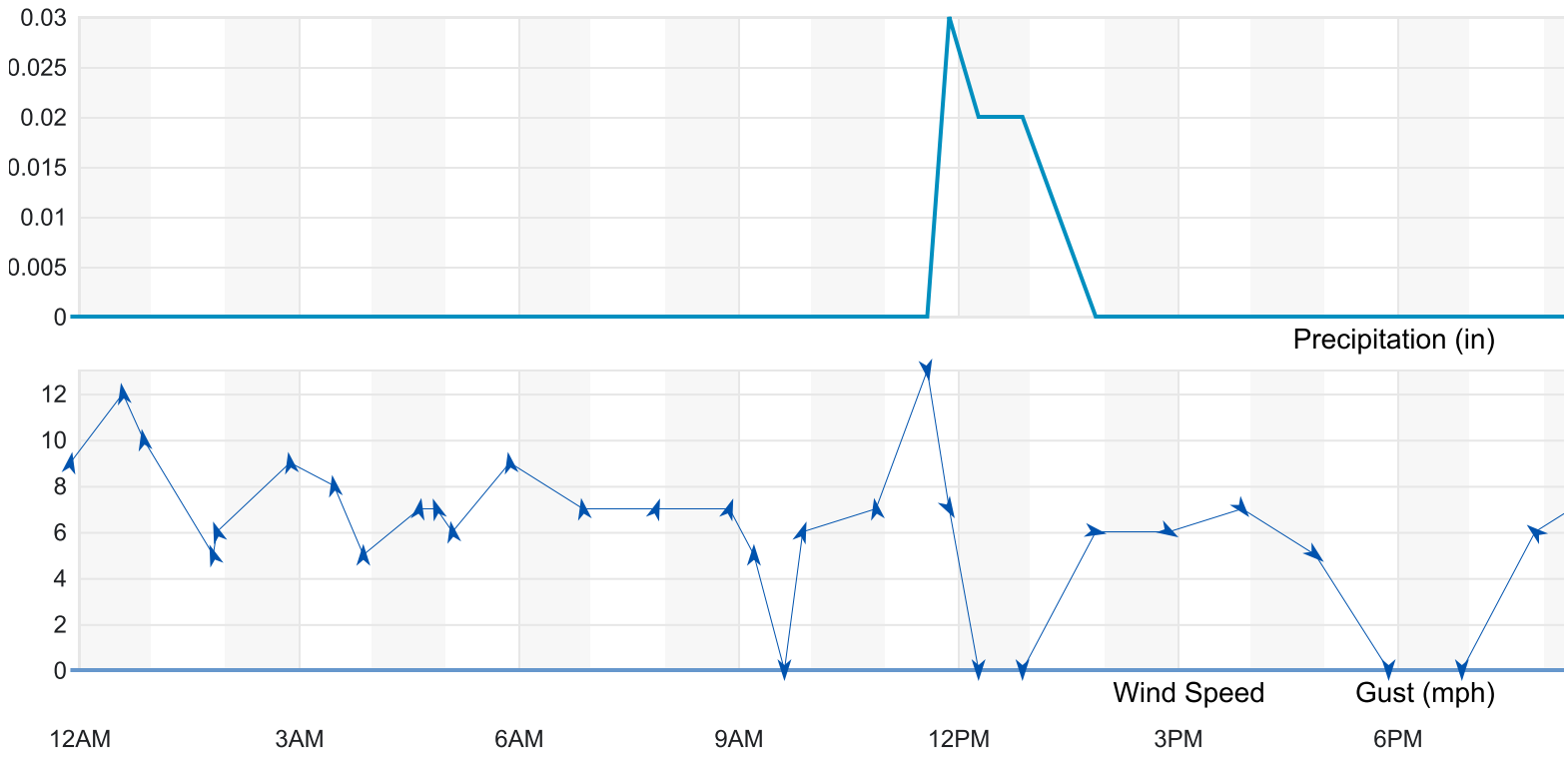
HISTORY (/HISTORY/DAILY/US/WA/SEATAC/KSEA)

- TODAY (/WEATHER/US/WA/SEATAC/KSEA)
- HOURLY (/HOURLY/US/WA/SEATAC/KSEA)
- 10-DAY (/FORECAST/US/WA/SEATAC/KSEA)
- CALENDAR (/CALENDAR/US/WA/SEATAC/KSEA)
- HISTORY (/HISTORY/DAILY/US/WA/SEATAC/KSEA)
- WUNDERMAP (/WUNDERMAP?LAT=47.442&LON=-122.299)

Daily Weekly Monthly

October 17 2024 View





Summary

Temperature (°F)	Actual	Historic Avg.	Record
High Temp	55	59.9	74
Low Temp	45	46.7	34
Day Average Temp	48.18	53.3	-

Precipitation (in)	Actual	Historic Avg.	Record
Precipitation (past 24 hours from 11:53:00)	0.01	3.70	-

Dew Point (°F)	Actual	Historic Avg.	Record
Dew Point	42.18	-	-
High	44	-	-
Low	41	-	-
Average	42.18	-	-

Wind (mph)	Actual	Historic Avg.	Record
Max Wind Speed	13	-	-
Visibility	10	-	-

Temperature (°F)	Actual	Historic Avg.	Record
Sea Level Pressure (in)	Actual	Historic Avg.	Record
Sea Level Pressure	29.75	-	-
Astronomy	Day Length	Rise	Set
Actual Time	10h 46m	7:32 AM	6:18 PM
Civil Twilight		7:01 AM	6:49 PM
Nautical Twilight		6:25 AM	7:25 PM
Astronomical Twilight		5:50 AM	8:00 PM
Moon: waning gibbous		6:16 PM	7:52 AM

Daily Observations

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Prec
11:53 PM	47 °F	44 °F	90 %	S	9 mph	0 mph	29.44 in	0.0 ir
12:36 AM	47 °F	43 °F	86 %	S	12 mph	0 mph	29.44 in	0.0 ir
12:53 AM	47 °F	44 °F	90 %	S	10 mph	0 mph	29.44 in	0.0 ir
1:50 AM	45 °F	43 °F	93 %	SSE	5 mph	0 mph	29.45 in	0.0 ir
1:53 AM	46 °F	43 °F	89 %	SSE	6 mph	0 mph	29.45 in	0.0 ir
2:53 AM	46 °F	42 °F	86 %	S	9 mph	0 mph	29.45 in	0.0 ir
3:29 AM	46 °F	41 °F	83 %	S	8 mph	0 mph	29.44 in	0.0 ir
3:53 AM	46 °F	42 °F	86 %	S	5 mph	0 mph	29.44 in	0.0 ir
4:39 AM	45 °F	41 °F	86 %	S	7 mph	0 mph	29.45 in	0.0 ir
4:53 AM	45 °F	41 °F	86 %	SSE	7 mph	0 mph	29.46 in	0.0 ir
5:06 AM	46 °F	42 °F	86 %	S	6 mph	0 mph	29.46 in	0.0 ir
5:53 AM	45 °F	41 °F	86 %	S	9 mph	0 mph	29.47 in	0.0 ir
6:53 AM	46 °F	41 °F	83 %	S	7 mph	0 mph	29.49 in	0.0 ir
7:53 AM	47 °F	41 °F	80 %	SSW	7 mph	0 mph	29.52 in	0.0 ir
8:53 AM	48 °F	42 °F	80 %	SSW	7 mph	0 mph	29.55 in	0.0 ir
9:13 AM	49 °F	42 °F	77 %	S	5 mph	0 mph	29.55 in	0.0 ir
9:38 AM	50 °F	42 °F	74 %	CALM	0 mph	0 mph	29.56 in	0.0 ir

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Prec
9:53 AM	50 °F	41 °F	71 %	SSW	6 mph	0 mph	29.57 in	0.0 ir
10:53 AM	51 °F	41 °F	68 %	S	7 mph	0 mph	29.58 in	0.0 ir
11:35 AM	48 °F	42 °F	80 %	N	13 mph	0 mph	29.62 in	0.0 ir
11:53 AM	46 °F	44 °F	93 %	NNW	7 mph	0 mph	29.63 in	0.0 ir
12:17 PM	47 °F	43 °F	86 %	CALM	0 mph	0 mph	29.63 in	0.0 ir
12:53 PM	50 °F	43 °F	77 %	CALM	0 mph	0 mph	29.64 in	0.0 ir
1:53 PM	53 °F	44 °F	71 %	W	6 mph	0 mph	29.65 in	0.0 ir
2:53 PM	55 °F	42 °F	62 %	WNW	6 mph	0 mph	29.66 in	0.0 ir
3:53 PM	53 °F	43 °F	69 %	NW	7 mph	0 mph	29.68 in	0.0 ir
4:53 PM	50 °F	43 °F	77 %	NW	5 mph	0 mph	29.68 in	0.0 ir
5:53 PM	51 °F	42 °F	71 %	CALM	0 mph	0 mph	29.69 in	0.0 ir
6:53 PM	50 °F	42 °F	74 %	CALM	0 mph	0 mph	29.71 in	0.0 ir
7:53 PM	50 °F	41 °F	71 %	SE	6 mph	0 mph	29.73 in	0.0 ir
8:53 PM	50 °F	43 °F	77 %	ESE	8 mph	0 mph	29.73 in	0.0 ir
9:53 PM	48 °F	42 °F	80 %	SSE	6 mph	0 mph	29.75 in	0.0 ir