June 3, 2024

Mr. John Lee
Project Manager
ExxonMobil Environmental and Property Solutions Company
1900 East Linden Avenue
Linden, New Jersey 07036

Re: Soil Vapor Sampling – Fourth Quarter 2023
Operable Units 7 and 8
ExxonMobil Greenpoint Petroleum Remediation Project
Brooklyn, New York

Dear Mr. Lee:

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of ExxonMobil Environmental and Property Solutions Company, on behalf of ExxonMobil Oil Corporation (collectively, "ExxonMobil"), submits this letter report (Report) summarizing the analytical results for the soil vapor sampling event conducted during the Fourth Quarter of 2023 within Operable Unit 7 (OU-7) and Operable Unit 8 (OU-8) of the ExxonMobil Greenpoint Petroleum Remediation Project (EMGPRP). The work conducted during the Fourth Quarter of 2023 included sampling and screening of permanent soil vapor monitoring points, collection of outdoor ambient air samples, and screening the indoor air of select buildings located on the properties within OU-7 and OU-8. The soil vapor monitoring points and buildings within OU-7 are located south of Norman Avenue and west of Stewart Avenue within a commercial/industrial area (Commercial/Industrial Area) and a residential area (Residential Area). The soil vapor monitoring points and buildings within OU-8 are located east of Stewart Avenue and west of Scott Avenue within a Commercial/Industrial Area. Background information on the EMGPRP can be found in the Conceptual Site Plan (CSP), submitted to the New York State Department of Environmental Conservation (NYSDEC) on February 3, 2012, and approved by the NYSDEC on January 17, 2013, subject to NYSDEC's comments.

The Scope of Work summarized in this Report was completed in accordance with the Former Refinery Property Vapor Intrusion Work Plan (FRP-VIWP), which was submitted to the NYSDEC on May 27, 2011 and approved on October 3, 2011, subject to NYSDEC's comments, and in accordance with the Soil Vapor Monitoring Scope of Work Modification – OU-7 and OU-8 letter report, submitted to the NYSDEC on June 2, 2017 and approved on August 15, 2017.

Soil Vapor Notification Status

In accordance with the Scope of Work for Notification of Soil Vapor Status provided in letter correspondence to the NYSDEC, dated May 22, 2009, soil vapor notification packages were sent to property owners within the notification area of OU-7 and OU-8 in October 2023.

The packages consisted of a notification letter and the latest soil vapor report (i.e., the Fourth Quarter 2022 Report). The packages were sent to the property owners within the notification area via Walsh Messenger Service (i.e., courier service) or FedEx. A table listing the properties that were sent notification packages and copies of the mail receipts are presented in Attachment 1.

Summary of Field Activities

The following provides a summary of activities that were conducted within the OU-7 and OU-8 areas as part of the Fourth Quarter 2023 sampling event. The locations of OU-7 and OU-8 are shown in Figure 1.

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California ■ Illinois ■ Massachusetts ■ New Jersey ■ New York ■ Texas ■ Virginia

Soil Vapor Extraction (SVE) System Status Monitoring

The existing Soil Vapor Extraction (SVE) system within the Commercial/Industrial Area of OU-7 and OU-8 consists of thirteen (13) active SVE wells that were voluntarily installed as a proactive measure in an effort to mitigate potential volatile organic compounds (VOCs) and methane concentrations, where present. The initial portion of the SVE system, including SVE wells SVE-703, SVE-704, and SVE-706 through SVE-710, was constructed in an effort to mitigate the potential presence of VOCs and methane in the shallow soil vapor within the vicinity of the Norman Avenue, Bridgewater Street, and Apollo Street intersection (referred to as "Phase I SVE system"). The initial interim Phase I SVE system was started on August 21, 2009, and full-scale operation began on June 4, 2010. Additionally, as summarized in the First Quarter 2016 Quarterly Progress Report, Roux performed work during 2015 and 2016 to install a voluntary and proactive expansion of the SVE system within OU-7 and OU-8. This portion of the SVE system, including SVE wells SVE-714 and SVE-814 through SVE-818 (referred to as "Phase III SVE system"), is located within the vicinity of the Meeker Avenue and Varick Avenue intersection, as well as the Gardner Avenue and Meeker Avenue intersection. The Phase III SVE system was brought on-line during March 2016.

SVE system performance monitoring activities have been conducted on a routine basis following start-up. During these activities, the wellhead vacuums and SVE flow rates, as well as landfill gas meter readings that include methane, oxygen, and carbon dioxide percentages, are monitored at the SVE wells in an effort to assess the performance of the SVE system in mitigating the shallow soil vapor concentrations in this area, where present. The location of the SVE wells, monitoring points, and the estimated radius of influence (ROI) of the Phase I and Phase III SVE systems are presented on Plates 1 and 2.

In addition, several existing dual-pump liquid extraction (DPLE) recovery wells within OU-7 and OU-8 are connected to the SVE conveyance piping and capable of vacuum-enhanced recovery (VER) operation, where a vacuum is applied to the recovery well and vapor is extracted in an effort to enhance the removal of liquid- and vapor-phase petroleum constituents, where present, at the well. This mode of operation extends the influence of the OU-7 and OU-8 SVE system in the vicinity of the VER recovery wells. Five existing recovery wells (RW-21, RW-23, RW-24, RW-C, and RW-F) were operating with VER in OU-7 and OU-8 during the Fourth Quarter 2023 sampling event. VER operation commenced at RW-24 on April 2, 2017 as a pilot study and continues as an IRM in accordance with the VER IRM Work Plan submitted to the NYSDEC on November 22, 2019 and approved with comments on December 30, 2019. VER operation was initiated at RW-C on March 19, 2020, RW-21 on December 3, 2021, RW-F on June 28, 2022, and RW-23 on April 5, 2023. One additional recovery well, RW-25, had VER operations initiated on December 7, 2023. This was after collection of the majority of samples for the Fourth Quarter 2023 sampling event, however, two samples, 8.MP-77S and 8.MP-77D, were collected after VER operations began at recovery well RW_25. The location of the recovery wells equipped with VER can be found on Plates 1, 2, and 3. Further details regarding VER can be found in the VER IRM Work Plan submitted to the NYSDEC on November 22, 2019.

On-going progress updates related to the operation and maintenance of the SVE and VER system are provided to the NYSDEC in Quarterly and Annual Progress Reports.

Sewer Manhole and Catch Basin Screening

Utility manholes throughout the Site were monitored during the Fourth Quarter of 2023 for the potential presence of VOCs, carbon monoxide, oxygen, hydrogen sulfide, and percent lower explosion limit (LEL) conditions. The monitoring program was completed on October 31, November 28, and December 26, 2023. The utility manhole screening results were non-detect for both VOCs and LEL readings. Additional details are provided in Quarterly and Annual Progress Reports.

Summary of Soil Vapor Sampling Activities

The majority of Fourth Quarter 2023 soil vapor sampling activities were conducted within the OU-7 and OU-8 soil vapor monitoring network from October 16, 2023 through October 27, 2023. As discussed below, two monitoring points (8.MP-77D and 8.MP-77S) were reinstalled during the Fourth Quarter of 2023 and were subsequently sampled on December 27 and 29, 2023. The soil vapor monitoring network for the Fourth Quarter 2023 sampling event was proposed in the Soil Vapor Monitoring Scope of Work Modification – OU-7 and OU-8 letter report submitted to the NYSDEC on June 2, 2017 and approved on August 15, 2017. The activities for the Fourth Quarter 2023 sampling event included sampling and screening of fifty-two (52) of the fifty-four (54) permanent soil vapor monitoring points, as well as the collection of three (3) duplicate soil vapor samples and five (5) outdoor ambient air samples. The scheduled screening of indoor air within two buildings located within OU-8 was performed following the sampling, as described later in this Report. The permanent soil vapor monitoring points are located throughout OU-7 and OU-8, as described below and presented in Plates 1 and 2:

- Twenty-two (22) monitoring point clusters are located throughout the Commercial/Industrial Area of OU-7 and OU-8, where each cluster location consists of one shallow and one deep sampling point, for a total of forty-four (44) points;
- Three (3) deep monitoring points (i.e., not part of clusters) are located throughout the Commercial/Industrial Areas of OU-7 and OU-8, and five (5) additional deep monitoring points are located within the Residential Area of OU-7, for a total of eight (8) points;
- Two (2) shallow monitoring points are located in the 570 Gardner Avenue parcel of the Commercial/Industrial Area of OU-8;
- Two (2) monitoring points in OU-8 (8.MP-77D and 8.MP-77S) were damaged during third party activities. These monitoring points were reinstalled on November 21, 2023 and sampled prior to the end of the Fourth Quarter in 2023;
- One (1) monitoring point in OU-8 (8.MP-79) remained damaged since the Fourth Quarter 2022 sampling event; and
- One monitoring point in OU-7 (7.MP-13S) could not be sampled due to water within the screened sampling interval during the Fourth Quarter 2023 sampling event.

All soil vapor and ambient air samples were collected in accordance with the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) and subsequent applicable revisions, and the EMGPRP's Quality Assurance Project Plan (QAPP), dated March 9, 2021. Also, consistent with other soil vapor sampling events conducted by Roux for the EMGPRP, the monitoring points were screened with multiple gas meters immediately following sample collection. The sampling interval for the shallow monitoring points is approximately 2 to 3 feet below land surface (ft-bls) whereas the sampling interval for the deep monitoring points is approximately 7 to 8 ft-bls, with the exception of the re-installed monitoring point 8.MP-77D (5 to 6 ft-bls).

Soil Vapor Sample Collection

Soil vapor sampling was performed in a manner consistent with prior investigations, utilizing the following procedural steps:

1. The sample tubing was connected to a "T" connector, three-way assembly, with one end of the "T" connector leading to a vacuum pump and the other end leading to a pre-evacuated Summa canister with a calibrated regulator.
2. The soil vapor sample tubing and the surrounding sand pack were purged of approximately three volumes of air using a vacuum pump set at a rate of approximately 0.2 liters per minute.

3. Tracer gas testing was conducted on the monitoring points in an effort to verify that ambient air did not dilute the soil vapor sample during collection. To conduct the test, a plastic container (e.g., bucket) was placed over the monitoring point with a seal and the tracer gas (e.g., helium) was injected into the bucket during purging of the monitoring point in an effort to enrich the interior of the bucket with the tracer gas. Please note that the three-way assembly used at the monitoring points were also placed under the bucket enclosure and included in the tracer gas verification. This was done in an effort to ensure that the assemblies did not provide a potential means by which ambient air might enter the canister and potentially risk diluting the sample. Both the purge volume from the sample tubing and the helium enriched area within the bucket were screened for the tracer gas. The tracer gas was measured utilizing a Dielectric MGD-2002 helium detector, which can be used to measure the rate of helium leakage at the surface or the concentration of helium in a container. If the screening results had showed that the rate or concentration of helium detected in the sample tubing was greater than 10% of that found in the bucket, the seals around the sampling equipment would have been reset and the sample tubing purged again. This process of resetting and purging continues until the tracer gas is no longer detected at levels greater than 10% of the enriched area. The screening data are provided in the soil vapor sampling forms enclosed as Attachment 2. As shown, tracer gas results in sample tubing were less than 10% of those in the respective enriched areas during this sampling round. For select monitoring points, the helium detector provided false readings of the tracer gas due to the inability to distinguish from elevated concentrations of methane. The presence of methane was confirmed with a gas meter and noted on the sampling forms.
4. Following the purging and tracer gas verification steps, the valve leading to the pump was closed, the pump was turned off, and the soil vapor was directed to a laboratory-supplied, 6-liter Summa canister for sample collection. A laboratory-supplied, calibrated flow controller was used in an effort to restrict the sample collection rate to 0.2 liters per minute or less.
5. Once the sample was collected, the soil vapor monitoring point was screened with several gas meters (e.g., MultiRAE+ and GEM2000/GEM5000) for lower explosive level (LEL), oxygen, methane, and carbon dioxide. LEL was measured as a percentage of the LEL for methane (where 100% LEL equals 50,000 parts per million of methane), while oxygen, methane, and carbon dioxide were measured as percent volume, using multi-gas meters calibrated daily with appropriate multi-gas standards. The screening process included double-checking the screening data through the utilization of separate, multiple gas meters. The soil vapor screening data are summarized in Table 1.
6. Upon completion of sample collection and screening steps, the sample tubing was capped below grade within the flush-mount enclosure to allow for subsequent, potential sampling events.

All samples were submitted to Eurofins Lancaster Laboratories in Lancaster, Pennsylvania, which is part of the Environmental Laboratory Approved Program (ELAP) certified by the NYSDOH. The soil vapor samples were analyzed for methane using United States Environmental Protection Agency (USEPA) Method 18 and for VOCs using USEPA Method TO-15. Laboratory analytical data packages for all data collected during this investigation have been provided to the NYSDEC in the electronic data deliverable format (EDD). As per the QAPP, data validation was performed by a third-party data validator, Data Validation Services, in an effort to conduct a data usability evaluation and verify that proper, method-specific quality control was performed. The Data Usability Summary Report (DUSR) is provided in Attachment 3.

As an additional quality assurance method, three (3) blind duplicate samples were collected within OU-7 and OU-8 during the Fourth Quarter 2023 sampling event, as follows:

- The duplicate sample DUP-10182023 was collected from monitoring point 7.MP-2S;
- The duplicate sample DUP-102423 was collected from monitoring point 7.MP-72S; and
- The duplicate sample DUP-102523 was collected from monitoring point 8.MP-76D.

The duplicate samples were collected from the respective monitoring points immediately following collection of the original sample. The analytical results for these samples are discussed later in this Report.

Ambient Air Sample Collection

Three (3) representative ambient air samples were collected during the Fourth Quarter 2023 sampling event. Two (2) ambient air samples were collected within the Commercial/ Industrial Area of OU-7 and OU-8 and one (1) ambient air sample was collected within the Residential Area of OU-7. Samples were collected approximately five feet above land surface (ft-bls) and upwind of the corresponding soil vapor monitoring point. The ambient air sample locations are indicated on Plates 1 and 2, as described below:

- Ambient air sample 7.MP-33-AMB was collected on October 27, 2023, upwind of monitoring point 7.MP-33 in the Residential Area of OU-7;
- Ambient air sample 8.MP-76-AMB was collected on October 25, 2023, upwind of monitoring point 8.MP-76S/D in the Commercial/ Industrial Area of OU-8; and
- Ambient air sample 7.MP-15-AMB was collected on October 17, 2023, upwind of monitoring point 7.MP-15S/D in the Commercial/ Industrial Area of OU-7.

All ambient air samples were analyzed for methane using USEPA Method EPA-18 and VOCs using USEPA Method TO-15. A discussion of ambient air sample results is provided later in this Report.

Indoor Air Metering/Screening Procedures

Indoor air screening activities conducted during the Fourth Quarter 2023 included building walk-throughs of two buildings within OU-8 (958-970 Meeker Avenue and 570 Gardner Avenue) on November 1, 2023, utilizing multiple, hand-held gas meters in an effort to screen the indoor air and, where necessary, focus on likely locations where soil vapor, if any, could potentially enter the building and accumulate (e.g., floor drains, cracks, or holes in the floor, etc.). The meters were used in an effort to screen for potential VOCs, methane (as percent LEL), percent oxygen, carbon monoxide, and hydrogen sulfide.

Field personnel were also provided with a copy of the indoor air screening results from the previous screening event within OU-8, which were used for comparison purposes during screening activities. If, at any time during the building walk-through, indoor air readings had appeared anomalous in comparison to the previous monitoring period, confirmatory indoor air screening would have been conducted. Additionally, if it had been confirmed that indoor air readings had reached or exceeded 3% of the methane LEL (approximately 1,500 parts per million by volume [ppmv] or 980 milligrams per cubic meter [mg/m^3]), the building owner and the NYSDEC would have been notified and confirmatory indoor air screening would have been completed. Meter readings for the Fourth Quarter 2022 and Fourth Quarter 2023 screening events conducted in OU-8 are summarized in Table 2 and discussed later in this Report.

Soil Vapor Sampling and Screening Results

Field activities and soil vapor analytical results related to the Fourth Quarter 2023 sampling event are documented and summarized as follows:

- Table 1 provides a comparison of soil vapor screening data from the Fourth Quarter 2022 and Fourth Quarter 2023 sampling events;
- Table 2 summarizes indoor air screening data for the Fourth Quarter 2022 and Fourth Quarter 2023 screening events;
- Tables 3 and 4 summarize VOC and methane concentrations, respectively, from laboratory analysis of soil vapor and ambient air samples collected during the Fourth Quarter 2023 sampling event;

- Table 5 summarizes historical benzene and methane concentrations detected in soil vapor and ambient air samples;
- Figure 1 presents the locations of OU-7 and OU-8;
- Figures 2 through 13 are graphs that illustrate benzene and methane concentration trends in soil vapor samples collected from August 2006 through Fourth Quarter 2023 in relation to startup of the SVE system components;
- Plates 1 and 2, respectively, present benzene and methane concentrations in soil vapor samples; both plates also show the estimated ROI of the Phase I and Phase III SVE system;
- Plate 3 presents the SVE system layout;
- Attachment 1 provides a list of the properties where the notification letters were sent, and copies of the confirmed receipts;
- Attachment 2 presents soil vapor sampling field forms; and
- Attachment 3 presents the DUSR.

As specified in previous soil vapor reports submitted by Roux, on behalf of ExxonMobil, concerning the EMGPRP, benzene and methane are the primary compounds of focus in the evaluation and discussion of soil vapor analytical results. As documented in the February 6, 2006 Soil Vapor Investigation Report, the Site-specific soil vapor screening comparison values used in an effort to evaluate data are as follows:

- Benzene in soil vapor beneath the Commercial/Industrial Areas of the Site: 542,000 micrograms per cubic meter (µg/m^3) or 170,000 parts per billion by volume (ppbv);
- Benzene in soil vapor beneath the Residential Area of the Site: 380 µg/m^3 or 120 ppbv; and
- Methane in soil vapor beneath all areas of the Site: 8,180 mg/m^3 or 12,500 ppmv (25% of the LEL for methane).

Although benzene and methane are the primary compounds of focus, the analytical results for other VOCs are also reviewed for any potential inconsistencies in concentration levels between sampling events.

Evaluation of Soil Vapor Sampling Results for the Residential Area (OU-7)

Benzene Results

A summary of benzene concentrations detected in soil vapor samples is presented in Plate 1. Benzene was detected in two (2) of the five (5) soil vapor sample monitoring locations collected from the deep sample interval (i.e., 7 to 8 ft-bls) within the Residential Area during the Fourth Quarter 2023 sampling event. The concentrations of benzene detected within the Residential Area ranged from approximately 2.5 µg/m^3 at monitoring point 7.MP-28 to a maximum concentration of approximately 6.4 µg/m^3 at monitoring point 7.MP-30.

All detections of benzene within the Residential Area during the Fourth Quarter 2023 sampling event were below the 380 µg/m^3 Site-specific soil vapor screening comparison value. Benzene concentrations within the Residential Area will continue to be monitored.

Methane Results

A summary of methane concentrations detected in soil vapor samples is presented in Plate 2. As shown, methane was detected in two (2) of the five (5) samples collected from the deep sample interval (i.e., 7 to 8 ft-bls) within the Residential Area. Methane concentrations ranged from approximately 12 mg/m^3 at monitoring point 7.MP-31 to a maximum of 130,000 mg/m^3 at monitoring point 7.MP-28.

As discussed in the Second Quarter 2014 Soil Vapor Monitoring Report and the Fourth Quarter 2019 Soil Vapor Monitoring Report, isotope ratios from analyses performed in 2014 and 2019 indicate elevated methane concentrations detected at monitoring point 7.MP-28 are likely related to natural gas present in the subsurface and not derived from the degradation of hydrocarbons. National Grid was notified of the methane detection by ExxonMobil in a letter dated November 10, 2022 at the request of the NYSDEC in response to the Fourth Quarter 2021 Soil Vapor Report – OU-7 and OU-8 dated March 1, 2022. The concentration of methane in 7.MP-28 in the fourth quarter of 2023 was more than three times greater than the maximum concentration previously detected. Due to the increased concentration of methane at 7.MP-28 in 2023, Roux anticipates collecting a sample at 7.MP-28 for isotopic analysis in June 2024 for comparison to prior testing results from 2014 and 2019 as discussed above. Results of this isotopic analysis will be provided in a future report.

All detections of methane within the Residential Area during the Fourth Quarter 2023 sampling event were below the 8,180 mg/m^3 Site-specific soil vapor screening comparison value, aside from 7.MP-28 as discussed above. Methane concentrations within the Residential Area will continue to be monitored.

Evaluation of Soil Vapor Sampling Results for the Commercial/Industrial Area (OU-7 and OU-8)

Benzene Results

Benzene was detected in twenty-five (25) of the forty-nine (49) samples collected from the Commercial /Industrial Areas of OU-7 and OU-8 during the Fourth Quarter of 2023. Eleven (11) of the detections were reported for soil vapor samples from the shallow sample interval (i.e., 2 to 3 ft-bls) and fourteen (14) were from the deep sample interval (i.e., 7 to 8 ft-bls or 6 to 7 ft-bls). The concentrations of benzene detected at the shallow sample interval ranged from approximately 0.38 µg/m^3 at 7.MP-10S to approximately 7.9 µg/m^3 at 7.MP-7S. The concentrations of benzene detected at the deep sample interval ranged from approximately 0.47 µg/m^3 at 7.MP-17D to approximately 9.9 µg/m^3 at 7.MP-3D. All detections of benzene within the Commercial/ Industrial Areas during the Fourth Quarter 2023 sampling event were below the 542,000 µg/m^3 Site-specific soil vapor screening comparison value.

Figures 2 through 7 provide a summary of benzene concentrations in monitoring points within and adjacent to the area of influence of the Phase I and Phase III SVE systems during routine sampling events from 2006 to the recent Fourth Quarter 2023 sampling event. As shown, benzene concentrations near the Phase I SVE system observed during the recent sampling event were generally lower than those reported during the sampling events from 2006 through 2009 (i.e., prior to Phase I SVE system operation). Benzene concentrations near the Phase III SVE system during the recent sampling event were generally lower than those reported during the sampling events from 2012 through 2015 (i.e., prior to Phase III SVE system expansion in OU-7 and OU-8). As indicated in Figures 2 through 7, recent benzene concentrations were, in most samples, orders of magnitude lower than those detected during the sampling event conducted immediately prior to the system start-up dates (i.e., Third Quarter 2009 and Third Quarter 2015 for the Phase I and Phase III SVE systems, respectively).

Monitoring points 7.MP-1D, 7.MP-1S, 7.MP-2D, 7.MP-6D, 7.MP-10D, and 7.MP-11D are located in proximity to the Norman Avenue, Bridgewater Street and Apollo Street intersection and are in the vicinity of Phase I soil vapor extraction wells SVE-703, SVE-704, and SVE-706. Prior to the start-up of the Phase I SVE system, these locations consistently exhibited the highest benzene concentrations, where present, within the Commercial/ Industrial Area. Historical benzene concentrations from these soil vapor samples are represented on Figures 2 and 3. Based on recent sampling results, the Phase I SVE system appears to be mitigating benzene concentrations, where present, in the Commercial/ Industrial Area within its estimated ROI, as presented in Plate 1.

Monitoring points 8.MP-76D, 8.MP-78S, and 8.MP-79S are located in proximity to Meeker Avenue and its intersection with Gardner Avenue and are in the vicinity of Phase III soil vapor extraction wells SVE-814, SVE-815, SVE-816, and SVE-817. Monitoring points 7.MP-71S and 7.MP-71D are on Meeker Avenue near its intersection with Varick Street and are in the vicinity of Phase III soil vapor extraction

well SVE-714. Between the start-up of the Phase I SVE system and the Phase III SVE system, these locations consistently exhibited the highest benzene concentrations, where present, within the Commercial/ Industrial Area. Historical benzene concentrations from the soil vapor samples are represented on Figures 6 and 7. Based on recent sampling results, the Phase III SVE system appears to be mitigating benzene concentrations, where present, in the Commercial/ Industrial Area within its estimated ROI, as presented in Plate 1.

Historical benzene detections at all monitoring points are summarized in Table 5. Roux, on behalf of ExxonMobil, will continue to monitor benzene concentration trends within OU-7 and OU-8.

Methane Results

Methane was detected in twenty-eight (2) of the forty-nine (49) samples collected from the Commercial/ Industrial Areas of OU-7 and OU-8 during the Fourth Quarter of 2023. The detections were reported at concentrations comparable to recent previous sampling events. All concentrations of methane were detected below the 8,180 mg/m^3 Site-specific comparison value and ranged from approximately 1.2 mg/m^3 at monitoring points 7.MP-2S and 7.MP-11S to approximately 2,200 mg/m^3 at monitoring point 7.MP-72D. While the methane concentration at 7.MP-72D did not exceed the Site-specific comparison value of 8,180 mg/m^3 in the Fourth Quarter 2023 sampling event, methane concentrations at this point have exceeded the Site-specific criteria in prior sampling events. This monitoring point is located within the eastern portion of the Commercial/Industrial Areas of OU-7, as illustrated on Plate 2. As discussed in the Fourth Quarter 2019 Soil Vapor Monitoring Report, isotope ratios indicate previous elevated methane concentrations detected at monitoring point 7.MP-72D may have been derived from biogenic fermentation. The Fourth Quarter 2023 methane detection at 7.MP-72D is comparable to historical concentrations at this location. Sampling results for the shallow monitoring point at this location, 7.MP-72S, indicate that shallow soil vapor methane concentrations continue to be well below the Site-specific comparison value, despite the prior exceedance in the deep monitoring point.

Figures 8 through 13 provide a summary of methane concentrations in monitoring points within and adjacent to the area of influence of the Phase I and Phase III SVE systems during routine sampling events from 2006 to the recent Fourth Quarter 2023 sampling event. As shown, methane concentrations near the Phase I SVE system observed during the recent sampling event were generally lower than those reported during the sampling events from 2006 through 2009 (i.e., prior to Phase I SVE system operation). Methane concentrations near the Phase III SVE system observed during the recent sampling event were generally lower than those reported during the sampling events from 2012 through 2015 (i.e., prior to Phase III SVE system expansion in OU-7 and OU-8). As indicated in Figures 8 through 13, recent methane concentrations were, in some samples, orders of magnitude lower than those detected during the sampling event conducted immediately prior to the system start-up dates (i.e., Third Quarter 2009 and Third Quarter 2015 for the Phase I and Phase III SVE systems, respectively). Based on these data, the Phase I and Phase III SVE systems appear to be mitigating methane concentrations, where present, in the Commercial/Industrial Area within the estimated ROIs, which are presented in Plate 2.

Historical methane detections at all monitoring points are summarized in Table 5. Roux, on behalf of ExxonMobil, will continue to monitor methane concentration trends within OU-7 and OU-8.

Ambient Air Results

Benzene Results

Table 3 provides a summary of benzene in ambient air and soil vapor samples. Benzene was detected in four (4) of the five (5) ambient air samples collected in OU-7 and OU-8 during the Fourth Quarter 2023 sampling event: 7.MP-6-AMB, 7.MP-33-AMB, 7.MP-71-AMB, and 8.MP-76-AMB. Benzene detections in ambient air samples ranged from approximately 1.2 µg/m^3 in ambient sample 8.MP-76-AMB to a maximum of 1.9 µg/m^3 in ambient sample 7.MP-6-AMB, which is consistent with the Fourth Quarter 2022 ambient sample concentrations. Benzene was not detected in ambient air sample 7.MP-

15-AMB. All of the monitoring points associated with these ambient samples are located in an area of high truck traffic.

Methane Concentrations

Table 4 provides a summary of methane in ambient air and soil vapor samples. As shown, methane was detected in all five of the ambient air samples collected in OU-7 and OU-8 during the Fourth Quarter 2023 sampling event. Methane detections in ambient air samples ranged from approximately 1.4 mg/m^3 in ambient sample 7.MP-15-AMB to 4.2 mg/m^3 in ambient sample 8.MP-76-AMB. All of the monitoring points associated with these ambient samples are located in an area of high truck traffic.

Additional Soil Vapor Results

Although benzene and methane are the primary compounds of focus in the discussion and evaluation of the analytical results, all other VOC results are also reviewed for notable changes in concentration levels between sampling events. A summary of VOC analytical data is provided in Table 3. As shown, the majority of compounds analyzed were at non-detect or trace concentrations (typically less than 5 $\mu g/m^3$ or 1 ppbv) in the soil vapor samples. Additionally, most compounds detected during the Fourth Quarter of 2023 were reported at concentrations below or comparable to the levels detected during the Fourth Quarter of 2022. Consistent with previous EMGPRP soil vapor sampling events, petroleum-related hydrocarbons were present in the OU-7 area. During the 2023 sampling event, 1,3-dichlorobenzene, cyclohexane, n-heptane, and n-hexane had the highest concentrations of detected VOCs. Also consistent with previous sampling events, acetone, isopropanol, and ethanol were detected, but this is assumed to be attributed to laboratory contamination from chemicals typically used to clean out Summa canisters used for sampling.

Chlorinated volatile organic compounds (CVOCs), including tetrachloroethene (PCE) and trichloroethene (TCE), were detected in samples collected throughout OU-7 and OU-8. CVOCs are analyzed and reported herein for monitoring purposes only because, as explained below, the presence of elevated CVOC concentrations within the Site is unrelated to ExxonMobil's historic operations in Brooklyn. The highest reported concentration of PCE was approximately 80 $\mu g/m^3$ at the monitoring point 7.MP-15S, and the highest reported concentration of TCE was approximately 180 $\mu g/m^3$ at monitoring point 7.MP-16S.

Starting in May 2007, URS Corporation (URS) (currently AECOM) conducted several investigations (referred to as the Meeker Avenue Plume Trackdown Investigations), on behalf of the NYSDEC, in an effort to determine the source(s) of third-party chlorinated solvents detected in soil vapor and groundwater within and near the EMGPRP Site boundary. To date, URS has identified numerous potential sources for third-party CVOC contamination and areas of potential concern as detailed in the December 2016 Site Characterization – Phase IX Report completed by URS, on behalf of the NYSDEC. In March 2022, the United States Environmental Protection Agency (USEPA) announced that the Meeker Avenue Plume Trackdown site had been designated as a Superfund site and added to the National Priority List (NPL). It should be noted that investigations by the USEPA are on-going, and additional, non-ExxonMobil source areas of CVOCs may be identified by USEPA in the future in the vicinity of the Site.

The presence of elevated CVOC concentrations within the Site is unrelated to ExxonMobil's historic operations in Brooklyn, as affirmed by the NYSDEC's letter, dated December 19, 2014, which outlines the NYSDEC's determination that ExxonMobil's historic operations are not the source of the CVOC contamination within the Site, in concurrence with ExxonMobil's June 20, 2014 report titled "Report to Overcome Presumption of Responsibility for Chlorinated Volatile Organic Compounds within the ExxonMobil Greenpoint Petroleum Remediation Project Site."

Quality Control Samples

As previously mentioned, three blind duplicate samples were collected within OU-7 and OU-8 during the Fourth Quarter 2023 sampling event. The duplicate samples, DUP_10182023, DUP-102423, and DUP-102523, were collected from monitoring points 7.MP-2S, 7.MP-72S, and 8.MP-76D, respectively, immediately following collection of the parent sample. Analytical results for the duplicate samples are included in Tables 3 and 4. As shown on these tables, the duplicate sample analytical results were generally consistent with the parent sample.

The DUSR (Attachment 3) summarizes that sample data are usable, with qualification of select sample reported concentrations as non-detect and/or estimated ("U" qualifier) or quantitatively estimated ("J" qualifier). The correlations for the field duplicates are within the validation action guidelines, with a few exceptions for which an estimated qualifier was added to the parent sample results. Please refer to Attachment 3 for additional details. The quality assurance and quality control (QA/QC) process will continue to be performed in order to confirm the validity of the data collected during future sampling events.

Indoor Air Screening Results

Indoor air screening activities were performed on October 30, 2023 and included a building walk-through using multiple gas meters in an effort to screen the indoor air of two buildings located in OU-8 (958-970 Meeker Avenue and 570 Gardner Avenue). The screening was conducted on the first floor of each building (the buildings did not have basements) and focused on those locations where soil vapor, if any, could potentially enter the building and accumulate (e.g., floor drains, cracks, or holes in the floor, etc.). The meters were used in an effort to screen for potential VOCs, methane (as percent LEL), percent oxygen, carbon monoxide, and hydrogen sulfide. The readings obtained during the screening event in OU-8 are presented in Table 2.

As shown in Table 2, the majority of the meter readings for VOCs, methane (as percent LEL), carbon monoxide, and hydrogen sulfide obtained during the October 30, 2023 screening event were reported as non-detect or trace (i.e., typically less than 1 ppm) inside both buildings located within OU-8 that were screened. The exception was a VOC reading of 2.6 ppm and 3.5 ppm in the office area of the building at 958-970 Meeker Avenue. The monitoring point located outside of this building (8.MP-77) did not show abnormal detections of VOCs and is located within the Phase III SVE System ROI. Detection of VOCs is not typical for this area and may be attributed to non-petroleum sources (e.g., paints, aerosols, or cleaners). Based on this information, the VOC detection is likely not indicative of petroleum vapor intrusion from the subsurface and instead appears to be attributable to third-party activities occurring within the property. Monitoring of this area will continue as part of the annual monitoring events. Additionally, while screening the building located at 570 Gardner Ave, one meter consistently read between 2.0 and 3.0 ppm carbon monoxide throughout the entire building and surrounding area. This was attributed to a calibration issue with the meter rather than detection of CO in the building. Percent oxygen was also consistently measured at or around 20.9% throughout the buildings during indoor air screening activities.

Soil Vapor Monitoring Network Recommendations

As detailed above, monitoring point 8.MP-79, located within the property at 570 Gardner Ave, Brooklyn NY 1122, was damaged during third-party activities. When monitoring point 8.MP-79 was last sampled during the 2021 soil vapor sampling event, all petroleum-related analytes detected at this location were at concentrations below 6 $\mu g/m^3$, as detailed in the Fourth Quarter 2021 Soil Vapor Sampling Report – OU-7 and OU-8. As previously requested in the Fourth Quarter 2022 Soil Vapor Sampling Report – OU-7 and OU-8, 8.MP-79 is proposed to be removed from the soil vapor sampling network beginning in the 2024 soil vapor sampling event following concurrence by the NYSDEC.

Roux will continue to evaluate which soil vapor monitoring points should remain within the sampling network. If modifications to the sampling network are deemed necessary or appropriate, Roux will submit a letter request to the NYSDEC for approval prior to the next annual sampling event.

Soil Vapor Activities Schedule

Roux, on behalf of ExxonMobil, anticipates the following schedule of planned soil vapor activities within OU-7 and OU-8:

- Notification packages, containing copies of the Fourth Quarter 2023 Report, are anticipated to be mailed/messengered to property owners during the Third Quarter of 2024, following submittal of the Report to the NYSDEC.
- The next soil vapor sampling event is anticipated to occur in the Fourth Quarter of 2024. Soil vapor samples will be collected from the existing soil vapor monitoring points within the soil vapor sampling network located throughout the Residential Area of OU-7 and Commercial/ Industrial Areas of OU-7 and OU-8, subject to access limitations due to Site conditions. The results of the Fourth Quarter 2024 soil vapor sampling event will be submitted to the NYSDEC within 90 days of receipt of laboratory analytical results.
- Indoor air screening activities are anticipated to occur during the Fourth Quarter of 2024 to coincide with the Fourth Quarter 2024 soil vapor sampling event to be conducted within OU-7 and OU-8. Screening results will be provided in the next Soil Vapor Report.
- Operation of the SVE system, including VER, shall continue, including, but not limited to, the regular monitoring of SVE wells and select monitoring points.

Should you have any questions, please do not hesitate to contact us.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Matthew Mueller
Project Scientist

Andrew Baris
Principal Hydrogeologist/Executive Vice President

Attachments

cc: Rene Gonzalez, ExxonMobil
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Rafi Alam, NYSDEC
Deborah Gorman, NYSDEC
Michael Murphy, NYSDEC
Richard Webster, Riverkeeper
Mike Dulong, Riverkeeper
Todd Ommen, Esq., Pace University School of Law

TABLES

Table 1. Soil Vapor Sampling Screening Data, OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Sample Point Designation	Sampling Depth (ft bls)	Adjacent Monitoring Well	Approximate Depth to Free-Product (ft bls)		2022 LEL (%)		2023 LEL (%)		2022 CO_2 (%)		2023 CO_2 (%)		2022 O2 (%)		2023 O2 (%)		Comments
			2022	2023	Meter 1	Meter 2	Meter 1	Meter 2	GEM 1	GEM 2	GEM 1	GEM 2	GEM 1	GEM 2	GEM 1	GEM 2	
7.MP-1D	7-8	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	20.0	20.3	20.9	20.9	
7.MP-1S	2-3	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	20.0	19.9	20.9	20.9	
7.MP-2D	7-8	MW-33	ND	ND	0.0	0.0	0.0	0.0	5.5	5.4	3.0	3.0	14.6	13.3	16.9	16.9	
7.MP-2S	2-3	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.3	20.9	18.5	20.3	20.3	
7.MP-3D	7-8	MW-34	26.82	26.01	0.0	3.0	0.0	0.0	5.3	5.1	4.3	3.9	9.1	8.9	17.1	17.1	
7.MP-3S	2-3	MW-34	26.82	26.01	0.0	3.0	0.0	0.0	2.9	2.6	2.9	3.5	9.5	9.3	18.2	18.2	
7.MP-4D	7-8	MW-59	ND	24.65	6.0	5.0	0.0	0.0	18.7	18.7	18.0	25.5	1.3	1.2	3.6	3.7	
7.MP-4S	2-3	MW-59	ND	24.65	0.0	0.0	0.0	0.0	4.8	4.9	2.4	0.1	15.6	15.4	18.3	18.1	
7.MP-5D	7-8	MW-5	ND	ND	0.0	0.0	0.0	0.0	5.5	5.3	0.4	0.7	12.9	13.1	20.3	20.5	
7.MP-5S	2-3	MW-5	ND	ND	0.0	0.0	0.0	0.0	0.9	0.1	3.6	3.4	19.6	21.0	16.7	16.7	
7.MP-6D	7-8	MW-5	ND	ND	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.2	21.0	18.5	20.9	20.9	
7.MP-6S	2-3	MW-5	ND	ND	0.0	0.0	0.0	0.0	0.4	0.3	0.2	0.3	20.8	18.4	20.9	20.9	
7.MP-7D	7-8	MW-33	ND	ND	0.0	0.0	0.0	0.0	2.9	2.8	3.6	3.5	16.0	16.0	9.8	13.5	
7.MP-7S	2-3	MW-33	ND	ND	0.0	0.0	0.0	0.0	1.7	1.7	0.0	2.4	17.6	17.6	15.7	15.7	
7.MP-8D	7-8	MW-95	ND	ND	0.0	0.0	0.0	0.0	4.8	4.7	4.8	5.1	14.8	15.3	15.3	15.0	
7.MP-8S	2-3	MW-95	ND	ND	0.0	0.0	0.0	0.0	3.7	3.7	5.2	4.7	17.0	17.0	16.5	16.3	
7.MP-9D	7-8	MW-9	26.17	26.25	0.0	0.0	0.0	0.0	2.4	2.2	0.1	0.2	18.6	18.7	19.2	19.2	
7.MP-9S	2-3	MW-9	26.17	26.25	0.0	0.0	0.0	0.0	0.7	0.7	0.2	0.3	19.8	19.9	20.9	20.9	
7.MP-10D	7-8	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	20.5	20.4	20.9	20.9	
7.MP-10S	2-3	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.5	20.5	20.3	20.9	20.9	
7.MP-11D	7-8	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.3	0.4	0.4	0.5	20.0	19.7	20.9	20.9	
7.MP-11S	2-3	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	20.2	20.0	20.9	20.9	
7.MP-12D	7-8	MW-9	26.17	26.25	0.0	0.0	0.0	0.0	0.0	0.1	0..2	0.0	19.9	20.1	20.9	20.9	
7.MP-12S	2-3	MW-9	26.17	26.25	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	20.0	20.1	20.9	20.9	
7.MP-13D	7-8	MW-33	ND	ND	0.0	0.0	0.0	0.0	9.3	9.5	8.7	7.2	8.1	8.5	11.5	11.5	
7.MP-13S	2-3	MW-33	ND	ND	0.0	0.0	NM	NM	8.4	8.4	NM	NM	9.2	9.2	NM	NM	
7.MP-15D	7-8	MW-9	26.17	26.25	0.0	0.0	0.0	0.0	7.1	7.4	3.6	3.2	9.7	9.7	17.5	17.3	
7.MP-15S	2-3	MW-9	26.17	26.25	0.0	0.0	0.0	0.0	4.1	4.0	3.4	1.4	15.9	15.9	18.6	17.3	
7.MP-16D	7-8	MW-9	26.17	26.25	0.0	0.0	0.0	0.0	0.1	0.9	0.5	0.4	21.2	17.8	20.9	20.9	
7.MP-16S	2-3	MW-9	26.17	26.25	0.0	0.0	0.0	0.0	0.1	1.2	1.5	1.4	20.9	18.0	19.7	19.7	
7.MP-17D	7-8	MW-37	41.05	ND	0.0	0.0	0.0	0.0	3.2	3.1	0.7	0.7	16.8	16.9	20.4	20.5	
7.MP-17S	2-3	MW-37	41.05	ND	0.0	0.0	0.0	0.0	2.4	2.2	0.7	0.6	17.3	17.3	20.9	20.5	
7.MP-27	7-8	MW-15	50.14	50.12	0.0	0.0	0.0	0.0	0.9	0.7	2.0	1.6	20.2	20.4	19.5	19.9	
7.MP-28	7-8	MW-91	ND	ND	0.0	0.0	99.0	99.0	1.9	2.0	10.6	9.1	18.7	18.7	1.6	2.3	
7.MP-30	7-8	MW-15	50.14	50.12	0.0	0.0	0.0	0.0	5.6	5.5	5.2	5.9	14.8	14.8	14.5	14.7	
7.MP-31	7-8	MW-15	50.14	50.12	0.0	0.0	0.0	0.0	4.4	4.4	4.8	4.8	15.4	15.9	14.5	14.6	
7.MP-33	7-8	MW-39	50.12	ND	0.0	0.0	0.0	0.0	3.8	3.6	4.5	3.6	16.3	16.2	16.6	16.6	
7.MP-64	7-8	DEC-058	ND	ND	0.0	0.0	0.0	0.0	15.8	15.9	16.6	16.6	1.7	1.6	3.3	2.6	
7.MP-68	7-8	MW-39	50.12	ND	0.0	0.0	0.0	0.0	5.6	5.8	3.7	3.5	12.6	12.8	15.2	15.2	

Table 1. Soil Vapor Sampling Screening Data, OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Sample Point Designation	Sampling Depth (ft bls)	Adjacent Monitoring Well	Approximate Depth to Free-Product (ft bls)		2022 LEL (%)		2023 LEL (%)		2022 CO_2 (%)		2023 CO_2 (%)		2022 O2 (%)		2023 O2 (%)		Comments
			2022	2023	Meter 1	Meter 2	Meter 1	Meter 2	GEM 1	GEM 2	GEM 1	GEM 2	GEM 1	GEM 2	GEM 1	GEM 2	
7.MP-71D	7-8	MW-28	ND	ND	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	20.9	20.3	20.7	20.9	
7.MP-71S	2-3	MW-28	ND	ND	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	20.4	20.1	20.9	20.9	
7.MP-72D	7-8	MW-35	22.1	21.22	3.0	3.0	8.0	7.0	11.3	11.3	13.4	12.7	0.3	0.3	14.5	2.2	
7.MP-72S	2-3	MW-35	22.1	21.22	0.0	0.0	0.0	0.0	3.2	3.3	2.5	2.7	16.0	15.6	19.2	19.0	
7.MP-73D	7-8	MW-97	ND	NM	0.0	0.0	0.0	0.0	10.7	10.5	21.9	18.7	8.0	8.2	1.7	1.7	
7.MP-73S	2-3	MW-97	ND	NM	0.0	0.0	0.0	0.0	17.3	17.4	8.1	7.0	0.2	0.6	14.4	14.8	
7.MP-81	7-8	MW-90	33.51	ND	0.0	0.0	0.0	0.0	5.2	5.0	4.5	4.1	5.7	6.0	8.1	8.4	
8.MP-76D	7-8	MW-3	15.67	ND	0.0	0.0	0.0	0.0	4.5	4.1	1.7	1.7	15.0	15.1	18.9	19.8	
8.MP-76S	2-3	MW-3	15.67	ND	0.0	0.0	0.0	0.0	0.6	0.1	0.4	0.4	20.2	20.7	20.9	20.9	
8.MP-77D	6-7	MW-29	ND	ND	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.2	20.6	20.7	19.5	19.6	
8.MP-77S	2-3	MW-29	ND	ND	0.0	0.0	0.0	0.0	1.9	1.7	0.3	0.3	16.4	16.7	20.9	20.9	
8.MP-78D	7-8	MW-3	15.67	ND	0.0	0.0	0.0	0.0	0.0	0.1	1.2	1.5	19.2	19.8	19.4	20.3	
8.MP-78S	2-3	MW-3	15.67	ND	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	19.2	19.9	20.9	20.9	
8.MP-79	2-3	MW-113	ND	ND	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	Damaged by third-party activities. Not sampled in 2023.
8.MP-80	2-3	MW-112	ND	ND	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	20.4	20.5	20.9	20.9	

Notes:
- ft bls: Feet Below Land Surface
- LEL: Lower Explosive Limit
- CO_2: Carbon Dioxide
- O_2 : Oxygen
- ND: Denotes that Free Product was not detected
- NM: Not Measured
- Depth to Free Product measurements are based on October 7, 2021 and October 11, 2022 gauging event data, respectively.
- Data collected during the Fourth Quarter 2021 sampling event are provided in addition to the Fourth Quarter 2022 sampling event.

Table 2. Building Screening Data, OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Name: Christine Mosley and Marilyn Villacres

Date: 10/30/2023

Meter Type: MultiRae; SN: 42613, 42975

Meter Calibrated: 10/30/2023

Address			Building		2022 VOC (ppm)		2023 VOC (ppm)		2022 CO (ppm)		2023 CO (ppm)		2022 H_2S (ppm)		2023 H_2S (ppm)		2022 LEL (%)		2023 LEL (%)		2022 O_2 (%)		2023 O_2 (%)		Remarks
Building # and Street	Block	Lot	Type	Use	Meter 1	Meter 2	Meter 1	Meter 2	Meter 1	Meter 2	Meter 1	Meter 2	Meter 1	Meter 2	Meter 1	Meter 2	Meter 1	Meter 2	Meter 1	Meter 2	Meter 1	Meter 2	Meter 1	Meter 2	MultiRae plus 4-Gas & VOC meters
958-970 Meeker Avenue																									
RW-E Room	2797	11	Slab on Grade	Office Space and Food Storage Areas for 958 Property Corp.	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	
Hole in Corner of loading dock ramp					0.0	0.0	-	-	0.0	0.0	-	-	0.0	0.0	-	-	0.0	0.0	-	-	0.0	0.0	20.9	20.9	-	-	No Access
Mens Bathroom					0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	
Womens Bathroom					0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	
Storage Area					0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	
Metal Plate in Storage Area					0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	
Small room adjacent to Metal Plate (on down ramp)					0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	
Office (Food Store Building)					0.0	0.0	2.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	
Drain in Store Area					0.0	0.0	-	-	0.0	0.0	-	-	0.0	0.0	-	-	0.0	0.0	-	-	0.0	0.0	20.9	20.9	-	-	No Access
Back Storage Area (Refrigeration)					0.0	0.0	0.1	0.4	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	
570 Gardner Avenue																									
Main Office Area	2798	5	Slab on Grade	Office Building for Island Transportation	0.0	0.0	0.1	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.7	20.9	
Small Office 1 (1'x1' patch on SW wall)					0.0	0.0	0.1	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.7	20.9	
Small Office 2					0.0	0.0	0.1	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.7	20.9	
Small Office 3 (Near Employee Lounge)					0.0	0.0	0.1	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.6	20.9	
Employee Lounge Area					0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.7	20.9	
Locker Room					0.0	0.0	0.1	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.6	20.9	
Bathroom Near Locker Room					0.0	0.0	0.1	0.1	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.6	20.9	
Drain in Back Bathroom					0.0	0.0	0.1	0.1	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.6	20.9	
Storage Supply Room					0.0	0.0	0.1	0.2	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.6	20.9	
Boiler Room					0.0	0.0	0.0	0.1	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.6	20.9	
Drain in Small Closet near Boiler Room					0.0	0.0	0.0	0.2	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.6	20.9	

Notes Utilized Throughout Tables	
Soil Vapor/Ambient Air	
J -	Estimated value
J+ -	Estimated value, high bias
J- -	Estimated value, low bias
T -	Indicates that a quality control parameter has exceeded laboratory limits
U -	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
UJ -	Analyte was not detected. The associated reported quantitation limit is an estimate
FD -	Duplicate sample
ug/m3 -	Micrograms per cubic meter
mg/m3 -	Milligrams per cubic meter
Bold data indicates that parameter was detected	

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-10D	7_MP-10S	7_MP-11D	7_MP-11S	7_MP-12D	7_MP-12S	7_MP-13D	7_MP-15-AMB	7_MP-15D
Sample Date:		10/17/2023	10/17/2023	10/17/2023	10/17/2023	10/16/2023	10/16/2023	10/23/2023	10/17/2023	10/17/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
1,1,1-Trichloroethane (TCA)	UG/M3	5.5 U	5.5 U	220 U	220 U	220 U	220 U	55 U	220 U	220 U
1,1,2,2-Tetrachloroethane	UG/M3	6.9 U	6.9 U	270 U	270 U	270 U	270 U	69 U	270 U	270 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	7.7 U	7.7 U	310 U	310 U	310 U	310 U	77 U	310 U	310 U
1,1,2-Trichloroethane	UG/M3	5.5 U	5.5 U	220 U	220 U	220 U	220 U	55 U	220 U	220 U
1,1-Dichloroethane	UG/M3	4 U	4 U	160 U	160 U	160 U	160 U	40 U	160 U	160 U
1,1-Dichloroethene	UG/M3	4 U	4 U	160 U	160 U	160 U	160 U	40 U	160 U	160 U
1,2,4-Trichlorobenzene	UG/M3	15 U	15 U	590 U	**170 J**	590 U	590 U	150 U	590 U	590 U
1,2,4-Trimethylbenzene	UG/M3	**3.1 J**	**2.9 J**	390 U	390 U	390 U	390 U	98 U	390 U	390 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	7.7 U	7.7 U	310 U	310 U	310 U	310 U	77 U	310 U	310 U
1,2-Dichlorobenzene	UG/M3	6 U	6 U	240 U	240 U	240 U	240 U	60 U	240 U	240 U
1,2-Dichloroethane	UG/M3	4 U	4 U	160 U	160 U	160 U	160 U	40 U	160 U	160 U
1,2-Dichloropropane	UG/M3	4.6 U	4.6 U	180 U	180 U	180 U	180 U	46 U	180 U	180 U
1,2-Dichlorotetrafluoroethane	UG/M3	7 U	7 U	280 U	280 U	280 U	280 U	70 U	280 U	280 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	9.8 U	9.8 U	390 U	390 U	390 U	390 U	98 U	390 U	390 U
1,3-Butadiene	UG/M3	2.2 U	2.2 U	88 U	88 U	88 U	88 U	22 U	88 U	88 U
1,3-Dichlorobenzene	UG/M3	**56**	**57**	240 U	**89 J**	240 U	**250**	60 U	240 U	240 U
1,4-Dichlorobenzene	UG/M3	6 U	6 U	240 U	240 U	240 U	240 U	60 U	240 U	240 U
1,4-Dioxane (P-Dioxane)	UG/M3	3.6 U	3.6 U	140 U	140 U	140 U	140 U	36 U	140 U	140 U
2,2,4-Trimethylpentane	UG/M3	4.7 U	4.7 U	190 U	190 U	190 U	190 U	47 U	190 U	190 U
2-Chlorotoluene	UG/M3	5.2 U	5.2 U	210 U	210 U	210 U	210 U	52 U	210 U	210 U
2-Hexanone	UG/M3	8.2 U	8.2 U	330 U	330 U	330 U	330 U	82 U	330 U	330 U
4-Ethyltoluene	UG/M3	4.9 U	4.9 U	200 U	200 U	200 U	200 U	49 U	200 U	200 U
Acetone	UG/M3	**28**	**41**	**270 J**	480 U	**370 J**	**220 J**	120 U	480 U	480 U
Allyl Chloride (3-Chloropropene)	UG/M3	3.1 U	3.1 U	130 U	130 U	130 U	130 U	31 U	130 U	130 U
Benzene	UG/M3	**0.6 J**	**0.38 J**	130 U	130 U	130 U	130 U	32 U	130 U	130 U
Benzyl Chloride	UG/M3	10 U	10 U	410 U	410 U	410 U	410 U	100 U	410 U	410 U
Bromodichloromethane	UG/M3	6.7 U	6.7 U	270 U	270 U	270 U	270 U	67 U	270 U	270 U
Bromoform	UG/M3	10 U	10 U	410 U	410 U	410 U	410 U	100 U	410 U	410 U
Bromomethane	UG/M3	3.9 U	3.9 U	160 U	160 U	160 U	160 U	39 U	160 U	160 U
Carbon Disulfide	UG/M3	3.1 U	3.1 U	120 U	120 U	120 U	120 U	31 U	120 U	120 U
Carbon Tetrachloride	UG/M3	6.3 U	6.3 U	250 U	250 U	250 U	250 U	63 U	250 U	250 U
Chlorobenzene	UG/M3	4.6 U	4.6 U	180 U	180 U	180 U	180 U	46 U	180 U	180 U
Chloroethane	UG/M3	**0.92 J**	2.6 U	110 U	110 U	110 U	110 U	26 U	110 U	110 U
Chloroform	UG/M3	4.9 U	4.9 U	200 U	200 U	200 U	200 U	49 U	200 U	200 U
Chloromethane	UG/M3	2.1 U	2.1 U	83 U	83 U	83 U	83 U	21 U	83 U	83 U
Cis-1,2-Dichloroethylene	UG/M3	4 U	4 U	160 U	160 U	160 U	160 U	40 U	160 U	160 U
Cis-1,3-Dichloropropene	UG/M3	4.5 U	4.5 U	180 U	180 U	180 U	180 U	45 U	180 U	180 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-10D	7_MP-10S	7_MP-11D	7_MP-11S	7_MP-12D	7_MP-12S	7_MP-13D	7_MP-15-AMB	7_MP-15D
Sample Date:		10/17/2023	10/17/2023	10/17/2023	10/17/2023	10/16/2023	10/16/2023	10/23/2023	10/17/2023	10/17/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
Cyclohexane	UG/M3	3.4 U	3.4 U	140 U	140 U	140 U	140 U	34 U	140 U	140 U
Dibromochloromethane	UG/M3	8.5 U	8.5 U	340 U	340 U	340 U	340 U	85 U	340 U	340 U
Dichlorodifluoromethane	UG/M3	**2.3 J**	**2.4 J**	200 U	200 U	200 U	200 U	49 U	200 U	200 U
Ethanol	UG/M3	**12**	**7.6 J**	380 U	380 U	380 U	380 U	94 U	380 U	380 U
Ethyl Acetate	UG/M3	7.2 U	7.2 U	290 U	290 U	290 U	290 U	72 U	290 U	290 U
Ethylbenzene	UG/M3	**2.7 J**	**3.3 J**	170 U	170 U	170 U	170 U	43 U	170 U	170 U
Hexachlorobutadiene	UG/M3	21 U	21 U	850 U	**570 J**	850 U	850 U	210 U	850 U	850 U
Isopropanol	UG/M3	**3000**	**2500**	**3000**	**2500**	**37000**	**30000**	**630**	**2200**	**2700**
m,p-Xylene	UG/M3	**10**	**11**	170 U	170 U	170 U	170 U	43 U	170 U	170 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**8.5**	**6.5**	120 U	120 U	120 U	120 U	29 U	120 U	120 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	**0.69 J**	**0.86 J**	160 U	160 U	160 U	160 U	41 U	160 U	160 U
Methyl Methacrylate	UG/M3	4.1 U	4.1 U	160 U	160 U	160 U	160 U	41 U	160 U	160 U
Methylene Chloride	UG/M3	6.9 U	6.9 U	280 U	280 U	280 U	280 U	69 U	280 U	280 U
N-Heptane	UG/M3	4.1 U	4.1 U	160 U	160 U	160 U	160 U	41 U	160 U	160 U
N-Hexane	UG/M3	3.5 U	3.5 U	140 U	140 U	140 U	140 U	35 U	140 U	140 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**3.2 J**	**3.5 J**	170 U	170 U	170 U	170 U	43 U	170 U	170 U
Propylene	UG/M3	**1.3 J**	1.7 U	69 U	69 U	69 U	69 U	17 U	69 U	69 U
Styrene	UG/M3	4.3 U	**1.5 J**	170 U	170 U	170 U	170 U	43 U	170 U	170 U
Tert-Butyl Alcohol	UG/M3	**6.2**	**1.9 J**	120 U	120 U	120 U	120 U	30 U	120 U	120 U
Tert-Butyl Methyl Ether	UG/M3	3.6 U	3.6 U	140 U	140 U	140 U	140 U	36 U	140 U	140 U
Tetrachloroethylene (PCE)	UG/M3	14 U	14 U	540 U	540 U	540 U	540 U	140 U	540 U	540 U
Tetrahydrofuran	UG/M3	2.9 U	**1.4 J**	120 U	120 U	120 U	120 U	29 U	120 U	120 U
Toluene	UG/M3	**1.7 J**	3.8 U	150 U	150 U	150 U	150 U	38 U	150 U	150 U
Trans-1,2-Dichloroethene	UG/M3	4 U	4 U	160 U	160 U	160 U	160 U	40 U	160 U	160 U
Trans-1,3-Dichloropropene	UG/M3	4.5 U	4.5 U	180 U	180 U	180 U	180 U	45 U	180 U	180 U
Trichloroethylene (TCE)	UG/M3	5.4 U	5.4 U	210 U	210 U	210 U	210 U	54 U	210 U	210 U
Trichlorofluoromethane	UG/M3	**1.2 J**	**1 J**	220 U	220 U	220 U	220 U	56 U	220 U	220 U
Vinyl Acetate	UG/M3	3.5 U	3.5 U	140 U	140 U	140 U	140 U	35 U	140 U	140 U
Vinyl Bromide	UG/M3	4.4 U	4.4 U	170 U	170 U	170 U	170 U	44 U	170 U	170 U
Vinyl Chloride	UG/M3	2.6 U	2.6 U	100 U	100 U	100 U	100 U	26 U	100 U	100 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-15S	7_MP-16D	7_MP-16S	7_MP-17D	7_MP-17S	7_MP-1D	7_MP-1S	7_MP-27	7_MP-28
Sample Date:		10/17/2023	10/24/2023	10/24/2023	10/25/2023	10/25/2023	10/16/2023	10/16/2023	10/23/2023	10/26/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
1,1,1-Trichloroethane (TCA)	UG/M3	220 U	**4.1 J**	**6.8**	5.5 U	5.5 U	5.5 U	5.5 U	55 U	5.5 U
1,1,2,2-Tetrachloroethane	UG/M3	270 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	69 U	6.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	310 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	77 U	7.7 U
1,1,2-Trichloroethane	UG/M3	220 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	55 U	5.5 U
1,1-Dichloroethane	UG/M3	160 U	4 U	4 U	4 U	4 U	4 U	4 U	40 U	4 U
1,1-Dichloroethene	UG/M3	160 U	4 U	4 U	4 U	4 U	4 U	4 U	40 U	4 U
1,2,4-Trichlorobenzene	UG/M3	590 U	15 U	15 U	15 U	**3.7 J**	15 U	15 U	150 U	15 U
1,2,4-Trimethylbenzene	UG/M3	390 U	**2.3 J**	9.8 U	**2.7 J**	**3.1 J**	**6.7 J**	**11**	98 U	**4.1 J**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	310 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	77 U	7.7 U
1,2-Dichlorobenzene	UG/M3	240 U	6 U	6 U	6 U	6 U	6 U	6 U	60 U	6 U
1,2-Dichloroethane	UG/M3	160 U	4 U	4 U	4 U	4 U	4 U	4 U	40 U	4 U
1,2-Dichloropropane	UG/M3	180 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	46 U	4.6 U
1,2-Dichlorotetrafluoroethane	UG/M3	280 U	7 U	7 U	7 U	7 U	7 U	7 U	70 U	7 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	390 U	9.8 U	9.8 U	9.8 U	9.8 U	**2.1 J**	**2.5 J**	98 U	9.8 U
1,3-Butadiene	UG/M3	88 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	22 U	2.2 U
1,3-Dichlorobenzene	UG/M3	**75 J**	6 U	6 U	**2 J**	**3.1 J**	**150**	**260**	**63**	**19**
1,4-Dichlorobenzene	UG/M3	240 U	6 U	6 U	6 U	6 U	6 U	6 U	60 U	6 U
1,4-Dioxane (P-Dioxane)	UG/M3	140 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	36 U	3.6 U
2,2,4-Trimethylpentane	UG/M3	190 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	47 U	**9.5**
2-Chlorotoluene	UG/M3	210 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	52 U	5.2 U
2-Hexanone	UG/M3	330 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	8.2 U	82 U	**8.5**
4-Ethyltoluene	UG/M3	200 U	4.9 U	4.9 U	4.9 U	4.9 U	**2.2 J**	**2.4 J**	49 U	**0.93 J**
Acetone	UG/M3	480 U	**11 J**	**14**	**16**	**11 J**	**250**	**200**	120 U	**35**
Allyl Chloride (3-Chloropropene)	UG/M3	130 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	31 U	3.1 U
Benzene	UG/M3	130 U	**0.51 J**	**0.51 J**	**0.47 J**	**0.39 J**	**1 J**	**0.65 J**	32 U	**2.5 J**
Benzyl Chloride	UG/M3	410 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	10 U
Bromodichloromethane	UG/M3	270 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	67 U	6.7 U
Bromoform	UG/M3	410 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	10 U
Bromomethane	UG/M3	160 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	39 U	**2.5 J**
Carbon Disulfide	UG/M3	120 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	31 U	3.1 U
Carbon Tetrachloride	UG/M3	250 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	63 U	6.3 U
Chlorobenzene	UG/M3	180 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	46 U	4.6 U
Chloroethane	UG/M3	110 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	26 U	2.6 U
Chloroform	UG/M3	200 U	**9.3**	**5.5**	**39**	**1.8 J**	**0.45 J**	4.9 U	49 U	4.9 U
Chloromethane	UG/M3	83 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U	2.1 U
Cis-1,2-Dichloroethylene	UG/M3	160 U	4 U	4 U	4 U	4 U	4 U	4 U	40 U	4 U
Cis-1,3-Dichloropropene	UG/M3	180 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	45 U	4.5 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-15S	7_MP-16D	7_MP-16S	7_MP-17D	7_MP-17S	7_MP-1D	7_MP-1S	7_MP-27	7_MP-28
Sample Date:		10/17/2023	10/24/2023	10/24/2023	10/25/2023	10/25/2023	10/16/2023	10/16/2023	10/23/2023	10/26/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
Cyclohexane	UG/M3	140 U	3.4 U	3.4 U	3.4 U	3.4 U	**3.8**	**1.1 J**	34 U	**210**
Dibromochloromethane	UG/M3	340 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	85 U	8.5 U
Dichlorodifluoromethane	UG/M3	200 U	**2.7 J**	**2.7 J**	**2.2 J**	**2.3 J**	**2.5 J**	**2.7 J**	49 U	4.9 U
Ethanol	UG/M3	380 U	**8.1 J**	**11**	**7.4 J**	**6.6 J**	**25**	**19**	94 U	**33**
Ethyl Acetate	UG/M3	290 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U	72 U	7.2 U
Ethylbenzene	UG/M3	170 U	4.3 U	4.3 U	4.3 U	4.3 U	**1.5 J**	**1.3 J**	43 U	**1.5 J**
Hexachlorobutadiene	UG/M3	850 U	21 U	21 U	21 U	**5.7 J**	21 U	21 U	210 U	21 U
Isopropanol	UG/M3	**1900**	**19**	**29**	**19**	**17**	**63000**	**50000**	**860**	**130**
m,p-Xylene	UG/M3	170 U	**2.2 J**	4.3 U	**2.5 J**	**2.3 J**	**4.5**	**4.1 J**	43 U	**5.3**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	120 U	**5.3**	**8.3**	**8.6**	**7.9**	**26**	**21**	29 U	**31**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	160 U	4.1 U	4.1 U	**0.94 J**	**0.75 J**	**1.5 J**	**1.5 J**	41 U	**4.3**
Methyl Methacrylate	UG/M3	160 U	4.1 U	**0.99 J**	4.1 U	4.1 U	4.1 U	4.1 U	41 U	4.1 U
Methylene Chloride	UG/M3	280 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	69 U	6.9 U
N-Heptane	UG/M3	160 U	4.1 U	4.1 U	4.1 U	4.1 U	**1.9 J**	**1.1 J**	41 U	**29**
N-Hexane	UG/M3	140 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**1.1 J**	35 U	**110**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	170 U	**0.83 J**	4.3 U	**0.99 J**	**0.87 J**	**2 J**	**1.8 J**	43 U	**2.2 J**
Propylene	UG/M3	69 U	**1.6 J**	**2**	**1.6 J**	**1.4 J**	**7.6**	**3.9**	17 U	1.7 U
Styrene	UG/M3	170 U	4.3 U	4.3 U	**2.1 J**	**1.3 J**	4.3 U	**0.95 J**	43 U	4.3 U
Tert-Butyl Alcohol	UG/M3	120 U	3 U	3 U	3 U	3 U	3 U	**6.7**	30 U	**23**
Tert-Butyl Methyl Ether	UG/M3	140 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	36 U	3.6 U
Tetrachloroethylene (PCE)	UG/M3	**80 J**	**5.7 J**	**2.3 J**	**12 J**	**13 J**	14 U	14 U	140 U	14 U
Tetrahydrofuran	UG/M3	120 U	**2.9**	**4.5**	**2.8 J**	**2.9**	2.9 U	2.9 U	29 U	**5.6**
Toluene	UG/M3	150 U	**2.3 J**	**1.5 J**	**2.4 J**	**1.9 J**	**4.6**	**3.6 J**	38 U	**4**
Trans-1,2-Dichloroethene	UG/M3	160 U	4 U	4 U	4 U	4 U	4 U	4 U	40 U	4 U
Trans-1,3-Dichloropropene	UG/M3	180 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	45 U	4.5 U
Trichloroethylene (TCE)	UG/M3	210 U	**150**	**180**	**4.2 J**	**2.6 J**	5.4 U	5.4 U	54 U	5.4 U
Trichlorofluoromethane	UG/M3	220 U	**1.6 J**	**1.3 J**	**1.3 J**	**1.5 J**	**1.3 J**	**1.2 J**	56 U	5.6 U
Vinyl Acetate	UG/M3	140 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	35 U	3.5 U
Vinyl Bromide	UG/M3	170 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	44 U	4.4 U
Vinyl Chloride	UG/M3	100 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	26 U	2.6 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-2D	7_MP-2S	7_MP-2S	7_MP-30	7_MP-31	7_MP-33	7_MP-33-AMB	7_MP-3D	7_MP-3S
Sample Date:		10/18/2023	10/18/2023	10/18/2023	10/20/2023	10/20/2023	10/27/2023	10/27/2023	10/23/2023	10/23/2023
Normal or Field Duplicate:		N	N	FD	N	N	N	N	N	N
Parameter	Unit									
1,1,1-Trichloroethane (TCA)	UG/M3	110 U	110 U	220 U	11 U	220 U	**3.9 J**	5.5 U	22 U	**0.88 J**
1,1,2,2-Tetrachloroethane	UG/M3	140 U	140 U	270 U	14 U	270 U	6.9 U	6.9 U	27 U	6.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	150 U	150 U	310 U	15 U	310 U	7.7 U	7.7 U	31 U	7.7 U
1,1,2-Trichloroethane	UG/M3	110 U	110 U	220 U	11 U	220 U	5.5 U	5.5 U	22 U	5.5 U
1,1-Dichloroethane	UG/M3	81 U	81 U	160 U	8.1 U	160 U	4 U	4 U	16 U	4 U
1,1-Dichloroethene	UG/M3	79 U	79 U	160 U	7.9 U	160 U	4 U	4 U	16 U	4 U
1,2,4-Trichlorobenzene	UG/M3	300 U	300 U	590 U	30 U	590 U	15 U	15 U	59 U	15 U
1,2,4-Trimethylbenzene	UG/M3	200 U	200 U	390 U	**4 J**	390 U	9.8 U	**1.4 J**	39 U	9.8 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	150 U	150 U	310 U	15 U	310 U	7.7 U	7.7 U	31 U	7.7 U
1,2-Dichlorobenzene	UG/M3	120 U	120 U	240 U	12 U	240 U	6 U	6 U	24 U	6 U
1,2-Dichloroethane	UG/M3	81 U	81 U	160 U	8.1 U	160 U	4 U	4 U	16 U	4 U
1,2-Dichloropropane	UG/M3	92 U	92 U	180 U	9.2 U	180 U	4.6 U	4.6 U	18 U	4.6 U
1,2-Dichlorotetrafluoroethane	UG/M3	140 U	140 U	280 U	14 U	280 U	7 U	7 U	28 U	7 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	200 U	200 U	390 U	20 U	390 U	9.8 U	9.8 U	39 U	9.8 U
1,3-Butadiene	UG/M3	44 U	44 U	88 U	4.4 U	88 U	2.2 U	2.2 U	8.8 U	2.2 U
1,3-Dichlorobenzene	UG/M3	**68 J**	**92 J**	**110 J**	**8.3 J**	**190 J**	6 U	6 U	24 U	**2.8 J**
1,4-Dichlorobenzene	UG/M3	120 U	120 U	240 U	12 U	240 U	6 U	6 U	24 U	6 U
1,4-Dioxane (P-Dioxane)	UG/M3	72 U	72 U	140 U	7.2 U	140 U	3.6 U	3.6 U	14 U	3.6 U
2,2,4-Trimethylpentane	UG/M3	93 U	93 U	190 U	9.3 U	190 U	4.7 U	**2.2 J**	**340**	**7.8**
2-Chlorotoluene	UG/M3	100 U	100 U	210 U	10 U	210 U	5.2 U	5.2 U	21 U	5.2 U
2-Hexanone	UG/M3	160 U	160 U	330 U	16 U	330 U	8.2 U	8.2 U	33 U	8.2 U
4-Ethyltoluene	UG/M3	98 U	98 U	200 U	9.8 U	200 U	4.9 U	4.9 U	20 U	4.9 U
Acetone	UG/M3	240 U	**49 J**	480 U	**32**	480 U	**14**	**39**	**26 J**	**19**
Allyl Chloride (3-Chloropropene)	UG/M3	63 U	63 U	130 U	6.3 U	130 U	3.1 U	3.1 U	13 U	3.1 U
Benzene	UG/M3	64 U	64 U	130 U	6.4 U	130 U	3.2 U	**1.6 J**	**9.9 J**	**0.48 J**
Benzyl Chloride	UG/M3	210 U	210 U	410 U	21 U	410 U	10 U	10 U	41 U	10 U
Bromodichloromethane	UG/M3	130 U	130 U	270 U	13 U	270 U	6.7 U	6.7 U	27 U	6.7 U
Bromoform	UG/M3	210 U	210 U	410 U	21 U	410 U	10 U	10 U	41 U	10 U
Bromomethane	UG/M3	78 U	78 U	160 U	7.8 U	160 U	3.9 U	3.9 U	16 U	3.9 U
Carbon Disulfide	UG/M3	62 U	62 U	120 U	6.2 U	120 U	3.1 U	3.1 U	12 U	**2 J**
Carbon Tetrachloride	UG/M3	130 U	130 U	250 U	13 U	250 U	6.3 U	6.3 U	25 U	6.3 U
Chlorobenzene	UG/M3	92 U	92 U	180 U	9.2 U	180 U	4.6 U	4.6 U	18 U	4.6 U
Chloroethane	UG/M3	53 U	53 U	110 U	5.3 U	110 U	2.6 U	2.6 U	11 U	2.6 U
Chloroform	UG/M3	98 U	98 U	200 U	**9 J**	**420**	**12**	4.9 U	20 U	**3 J**
Chloromethane	UG/M3	41 U	41 U	83 U	4.1 U	83 U	2.1 U	**1.6 J**	8.3 U	2.1 U
Cis-1,2-Dichloroethylene	UG/M3	79 U	79 U	160 U	7.9 U	160 U	4 U	4 U	16 U	4 U
Cis-1,3-Dichloropropene	UG/M3	91 U	91 U	180 U	9.1 U	180 U	4.5 U	4.5 U	18 U	4.5 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-2D	7_MP-2S	7_MP-2S	7_MP-30	7_MP-31	7_MP-33	7_MP-33-AMB	7_MP-3D	7_MP-3S
Sample Date:		10/18/2023	10/18/2023	10/18/2023	10/20/2023	10/20/2023	10/27/2023	10/27/2023	10/23/2023	10/23/2023
Normal or Field Duplicate:		N	N	FD	N	N	N	N	N	N
Parameter	Unit									
Cyclohexane	UG/M3	69 U	69 U	140 U	6.9 U	140 U	**0.88 J**	**2.9 J**	**260**	**0.92 J**
Dibromochloromethane	UG/M3	170 U	170 U	340 U	17 U	340 U	8.5 U	8.5 U	34 U	8.5 U
Dichlorodifluoromethane	UG/M3	99 U	99 U	200 U	**2.5 J**	200 U	**2.6 J**	**2.3 J**	**10 J**	**12**
Ethanol	UG/M3	190 U	190 U	380 U	**11 J**	380 U	**14**	**79**	38 U	**5.4 J**
Ethyl Acetate	UG/M3	140 U	140 U	290 U	14 U	290 U	7.2 U	7.2 U	29 U	7.2 U
Ethylbenzene	UG/M3	87 U	87 U	170 U	8.7 U	170 U	4.3 U	**1.3 J**	17 U	4.3 U
Hexachlorobutadiene	UG/M3	430 U	430 U	850 U	43 U	850 U	21 U	21 U	85 U	21 U
Isopropanol	UG/M3	**810**	**710 J**	**1200 J**	**190**	**2000**	**34**	**150**	**28**	**23**
m,p-Xylene	UG/M3	87 U	87 U	170 U	8.7 U	170 U	4.3 U	**6**	17 U	4.3 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	59 U	59 U	120 U	5.9 U	120 U	**6**	**4.1**	12 U	**4.2**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	82 U	82 U	160 U	**4.4 J**	160 U	4.1 U	**2.1 J**	16 U	**0.61 J**
Methyl Methacrylate	UG/M3	82 U	82 U	160 U	8.2 U	160 U	4.1 U	4.1 U	16 U	4.1 U
Methylene Chloride	UG/M3	140 U	140 U	280 U	14 U	280 U	6.9 U	**1.2 J**	28 U	6.9 U
N-Heptane	UG/M3	82 U	82 U	160 U	8.2 U	160 U	4.1 U	**1.2 J**	16 U	4.1 U
N-Hexane	UG/M3	70 U	70 U	140 U	7 U	140 U	3.5 U	**2.9 J**	**44**	**1.2 J**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	87 U	87 U	170 U	8.7 U	170 U	4.3 U	**1.9 J**	17 U	4.3 U
Propylene	UG/M3	34 U	34 U	69 U	3.4 U	69 U	**1.9**	**4**	6.9 U	1.7 U
Styrene	UG/M3	85 U	85 U	170 U	8.5 U	170 U	4.3 U	4.3 U	17 U	4.3 U
Tert-Butyl Alcohol	UG/M3	61 U	61 U	120 U	6.1 U	120 U	3 U	**2.6 J**	**27**	**7**
Tert-Butyl Methyl Ether	UG/M3	72 U	72 U	140 U	7.2 U	140 U	3.6 U	3.6 U	14 U	3.6 U
Tetrachloroethylene (PCE)	UG/M3	270 U	270 U	540 U	**12 J**	540 U	**1.8 J**	14 U	54 U	**6.6 J**
Tetrahydrofuran	UG/M3	59 U	59 U	120 U	5.9 U	120 U	2.9 U	2.9 U	12 U	**2.4 J**
Toluene	UG/M3	75 U	75 U	150 U	7.5 U	150 U	3.8 U	**4.1**	15 U	3.8 U
Trans-1,2-Dichloroethene	UG/M3	79 U	79 U	160 U	7.9 U	160 U	4 U	4 U	16 U	4 U
Trans-1,3-Dichloropropene	UG/M3	91 U	91 U	180 U	9.1 U	180 U	4.5 U	4.5 U	18 U	4.5 U
Trichloroethylene (TCE)	UG/M3	110 U	110 U	210 U	11 U	210 U	5.4 U	5.4 U	21 U	5.4 U
Trichlorofluoromethane	UG/M3	**28 J**	110 U	220 U	11 U	220 U	**3.4 J**	**1.3 J**	**81**	**120**
Vinyl Acetate	UG/M3	70 U	70 U	140 U	7 U	140 U	3.5 U	3.5 U	14 U	3.5 U
Vinyl Bromide	UG/M3	87 U	87 U	170 U	8.7 U	170 U	4.4 U	4.4 U	17 U	4.4 U
Vinyl Chloride	UG/M3	51 U	51 U	100 U	5.1 U	100 U	2.6 U	2.6 U	10 U	2.6 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-4D	7_MP-4S	7_MP-5D	7_MP-5S	7_MP-64	7_MP-68	7_MP-6-AMB	7_MP-6D	7_MP-6S
Sample Date:		10/31/2023	10/18/2023	10/18/2023	10/18/2023	10/25/2023	10/24/2023	10/18/2023	10/18/2023	10/18/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
1,1,1-Trichloroethane (TCA)	UG/M3	22 U	220 U	220 U	220 U	5.5 U	5.5 U	5.5 U	220 U	55 U
1,1,2,2-Tetrachloroethane	UG/M3	27 U	270 U	270 U	270 U	6.9 U	6.9 U	6.9 U	270 U	69 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	31 U	310 U	310 U	310 U	7.7 U	7.7 U	7.7 U	310 U	77 U
1,1,2-Trichloroethane	UG/M3	22 U	220 U	220 U	220 U	5.5 U	5.5 U	5.5 U	220 U	55 U
1,1-Dichloroethane	UG/M3	16 U	160 U	160 U	160 U	4 U	4 U	4 U	160 U	40 U
1,1-Dichloroethene	UG/M3	16 U	160 U	160 U	160 U	4 U	4 U	4 U	160 U	40 U
1,2,4-Trichlorobenzene	UG/M3	59 U	590 U	590 U	590 U	15 U	15 U	15 U	590 U	150 U
1,2,4-Trimethylbenzene	UG/M3	39 U	390 U	390 U	390 U	**1.5 J**	**2 J**	**1.8 J**	390 U	98 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	31 U	310 U	310 U	310 U	7.7 U	7.7 U	7.7 U	310 U	77 U
1,2-Dichlorobenzene	UG/M3	24 U	240 U	240 U	240 U	6 U	6 U	6 U	240 U	60 U
1,2-Dichloroethane	UG/M3	16 U	160 U	160 U	160 U	4 U	4 U	4 U	160 U	40 U
1,2-Dichloropropane	UG/M3	18 U	180 U	180 U	180 U	4.6 U	4.6 U	4.6 U	180 U	46 U
1,2-Dichlorotetrafluoroethane	UG/M3	28 U	280 U	280 U	280 U	7 U	7 U	7 U	280 U	70 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	39 U	390 U	390 U	390 U	9.8 U	9.8 U	9.8 U	390 U	98 U
1,3-Butadiene	UG/M3	8.8 U	88 U	88 U	88 U	2.2 U	2.2 U	2.2 U	88 U	22 U
1,3-Dichlorobenzene	UG/M3	24 U	**120 J**	**150 J**	**180 J**	**12**	**4.1 J**	6 U	**240**	**60**
1,4-Dichlorobenzene	UG/M3	24 U	240 U	240 U	240 U	6 U	6 U	6 U	240 U	60 U
1,4-Dioxane (P-Dioxane)	UG/M3	14 U	140 U	140 U	140 U	3.6 U	3.6 U	3.6 U	140 U	36 U
2,2,4-Trimethylpentane	UG/M3	**23**	190 U	190 U	190 U	4.7 U	4.7 U	4.7 U	190 U	47 U
2-Chlorotoluene	UG/M3	21 U	210 U	210 U	210 U	5.2 U	5.2 U	5.2 U	210 U	52 U
2-Hexanone	UG/M3	33 U	330 U	330 U	330 U	8.2 U	8.2 U	8.2 U	330 U	82 U
4-Ethyltoluene	UG/M3	20 U	200 U	200 U	200 U	4.9 U	4.9 U	4.9 U	200 U	49 U
Acetone	UG/M3	48 U	480 U	480 U	**130 J**	**59**	**21**	**16**	480 U	**36 J**
Allyl Chloride (3-Chloropropene)	UG/M3	13 U	130 U	130 U	130 U	3.1 U	3.1 U	3.1 U	130 U	31 U
Benzene	UG/M3	13 U	130 U	130 U	130 U	**0.85 J**	**1.4 J**	**1.9 J**	130 U	32 U
Benzyl Chloride	UG/M3	41 U	410 U	410 U	410 U	10 U	10 U	10 U	410 U	100 U
Bromodichloromethane	UG/M3	27 U	270 U	270 U	270 U	6.7 U	6.7 U	6.7 U	270 U	67 U
Bromoform	UG/M3	41 U	410 U	410 U	410 U	10 U	10 U	10 U	410 U	100 U
Bromomethane	UG/M3	16 U	160 U	160 U	160 U	3.9 U	3.9 U	3.9 U	160 U	39 U
Carbon Disulfide	UG/M3	12 U	120 U	120 U	120 U	3.1 U	3.1 U	3.1 U	120 U	31 U
Carbon Tetrachloride	UG/M3	25 U	250 U	250 U	250 U	6.3 U	6.3 U	6.3 U	250 U	63 U
Chlorobenzene	UG/M3	18 U	180 U	180 U	180 U	4.6 U	4.6 U	**7.9**	180 U	46 U
Chloroethane	UG/M3	11 U	110 U	110 U	110 U	2.6 U	2.6 U	2.6 U	110 U	26 U
Chloroform	UG/M3	20 U	200 U	200 U	200 U	**3.5 J**	**7.2**	4.9 U	200 U	49 U
Chloromethane	UG/M3	8.3 U	83 U	83 U	83 U	**1.4 J**	2.1 U	2.1 U	83 U	21 U
Cis-1,2-Dichloroethylene	UG/M3	16 U	160 U	160 U	160 U	**2.9 J**	4 U	4 U	160 U	40 U
Cis-1,3-Dichloropropene	UG/M3	18 U	180 U	180 U	180 U	4.5 U	4.5 U	4.5 U	180 U	45 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-4D	7_MP-4S	7_MP-5D	7_MP-5S	7_MP-64	7_MP-68	7_MP-6-AMB	7_MP-6D	7_MP-6S
Sample Date:		10/31/2023	10/18/2023	10/18/2023	10/18/2023	10/25/2023	10/24/2023	10/18/2023	10/18/2023	10/18/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
Cyclohexane	UG/M3	14 U	140 U	140 U	140 U	3.4 U	**0.93 J**	**0.88 J**	140 U	34 U
Dibromochloromethane	UG/M3	34 U	340 U	340 U	340 U	8.5 U	8.5 U	8.5 U	340 U	85 U
Dichlorodifluoromethane	UG/M3	20 U	200 U	200 U	200 U	**1.3 J**	**3 J**	**2.4 J**	200 U	49 U
Ethanol	UG/M3	38 U	380 U	380 U	380 U	**79**	**11**	**88**	380 U	94 U
Ethyl Acetate	UG/M3	29 U	290 U	290 U	290 U	7.2 U	7.2 U	7.2 U	290 U	72 U
Ethylbenzene	UG/M3	17 U	170 U	170 U	170 U	**2.5 J**	**1 J**	**0.96 J**	170 U	43 U
Hexachlorobutadiene	UG/M3	85 U	850 U	850 U	850 U	21 U	21 U	21 U	850 U	210 U
Isopropanol	UG/M3	**17**	**4600**	**5000**	**6000**	**300**	**72**	**10**	**2900**	**530**
m,p-Xylene	UG/M3	17 U	170 U	170 U	170 U	**9.4**	**3.4 J**	**3.1 J**	170 U	43 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**8.6 J**	120 U	120 U	120 U	**20**	**12**	**2.9**	120 U	29 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	16 U	160 U	160 U	160 U	**4.3**	**0.86 J**	**0.79 J**	160 U	41 U
Methyl Methacrylate	UG/M3	16 U	160 U	160 U	160 U	4.1 U	4.1 U	4.1 U	160 U	41 U
Methylene Chloride	UG/M3	28 U	280 U	280 U	280 U	6.9 U	6.9 U	**0.96 J**	280 U	69 U
N-Heptane	UG/M3	16 U	160 U	160 U	160 U	**1.6 J**	4.1 U	**1 J**	160 U	41 U
N-Hexane	UG/M3	**5.4 J**	140 U	140 U	140 U	**1.2 J**	**1.1 J**	**1.6 J**	140 U	35 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	17 U	170 U	170 U	170 U	**2.7 J**	**1.1 J**	**1.2 J**	170 U	43 U
Propylene	UG/M3	6.9 U	69 U	69 U	69 U	**4**	1.7 U	**3.6**	69 U	17 U
Styrene	UG/M3	17 U	170 U	170 U	170 U	4.3 U	4.3 U	4.3 U	170 U	43 U
Tert-Butyl Alcohol	UG/M3	12 U	120 U	120 U	120 U	**0.8 J**	3 U	3 U	120 U	30 U
Tert-Butyl Methyl Ether	UG/M3	14 U	140 U	140 U	140 U	3.6 U	3.6 U	3.6 U	140 U	36 U
Tetrachloroethylene (PCE)	UG/M3	54 U	540 U	540 U	540 U	**67**	**5.3 J**	14 U	540 U	140 U
Tetrahydrofuran	UG/M3	12 U	120 U	120 U	120 U	2.9 U	**8.2**	2.9 U	120 U	29 U
Toluene	UG/M3	15 U	150 U	150 U	150 U	**5.7**	**4.9**	**5.5**	150 U	38 U
Trans-1,2-Dichloroethene	UG/M3	16 U	160 U	160 U	160 U	4 U	4 U	4 U	160 U	40 U
Trans-1,3-Dichloropropene	UG/M3	18 U	180 U	180 U	180 U	4.5 U	4.5 U	4.5 U	180 U	45 U
Trichloroethylene (TCE)	UG/M3	**39**	210 U	210 U	210 U	**18**	**1.7 J**	5.4 U	210 U	54 U
Trichlorofluoromethane	UG/M3	**4.6 J**	220 U	220 U	220 U	5.6 U	**2.9 J**	**1.3 J**	220 U	56 U
Vinyl Acetate	UG/M3	14 U	140 U	140 U	140 U	3.5 U	3.5 U	3.5 U	140 U	35 U
Vinyl Bromide	UG/M3	17 U	170 U	170 U	170 U	4.4 U	4.4 U	4.4 U	170 U	44 U
Vinyl Chloride	UG/M3	10 U	100 U	100 U	100 U	2.6 U	2.6 U	2.6 U	100 U	26 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-71-AMB	7_MP-71D	7_MP-71S	7_MP-72D	7_MP-72S	7_MP-72S	7_MP-73D	7_MP-73S	7_MP-7D
Sample Date:		10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/16/2023
Normal or Field Duplicate:		N	N	N	N	N	FD	N	N	N
Parameter	Unit									
1,1,1-Trichloroethane (TCA)	UG/M3	5.5 U	22 U	110 UJ	55 U	5.5 U	5.5 U	5.5 U	5.5 U	55 U
1,1,2,2-Tetrachloroethane	UG/M3	6.9 U	27 U	140 UJ	69 U	6.9 U	6.9 U	6.9 U	6.9 U	69 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	7.7 U	31 U	150 UJ	77 U	7.7 U	7.7 U	7.7 U	7.7 U	77 U
1,1,2-Trichloroethane	UG/M3	5.5 U	22 U	110 UJ	55 U	5.5 U	5.5 U	5.5 U	5.5 U	55 U
1,1-Dichloroethane	UG/M3	4 U	16 U	81 UJ	40 U	4 U	4 U	4 U	4 U	40 U
1,1-Dichloroethene	UG/M3	4 U	16 U	79 UJ	40 U	4 U	4 U	4 U	4 U	40 U
1,2,4-Trichlorobenzene	UG/M3	15 U	59 U	300 UJ	150 U	15 U	15 U	15 U	15 U	150 U
1,2,4-Trimethylbenzene	UG/M3	9.8 U	39 U	200 UJ	98 U	**2.2 J**	**2.2 J**	9.8 U	9.8 U	98 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	7.7 U	31 U	150 UJ	77 U	7.7 U	7.7 U	7.7 U	7.7 U	77 U
1,2-Dichlorobenzene	UG/M3	6 U	24 U	120 UJ	60 U	6 U	6 U	6 U	6 U	60 U
1,2-Dichloroethane	UG/M3	4 U	16 U	81 UJ	40 U	4 U	4 U	4 U	4 U	40 U
1,2-Dichloropropane	UG/M3	4.6 U	18 U	92 UJ	46 U	4.6 U	4.6 U	4.6 U	4.6 U	46 U
1,2-Dichlorotetrafluoroethane	UG/M3	7 U	28 U	140 UJ	70 U	7 U	7 U	7 U	7 U	70 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	9.8 U	39 U	200 UJ	98 U	9.8 U	9.8 U	9.8 U	9.8 U	98 U
1,3-Butadiene	UG/M3	2.2 U	8.8 U	44 UJ	22 U	2.2 U	2.2 U	2.2 U	2.2 U	22 U
1,3-Dichlorobenzene	UG/M3	6 U	**64**	**87 J-**	60 U	**31 J**	**55 J**	6 U	6 U	**340**
1,4-Dichlorobenzene	UG/M3	6 U	24 U	120 UJ	60 U	6 U	6 U	6 U	6 U	60 U
1,4-Dioxane (P-Dioxane)	UG/M3	3.6 U	14 U	72 UJ	36 U	3.6 U	3.6 U	3.6 U	3.6 U	36 U
2,2,4-Trimethylpentane	UG/M3	4.7 U	19 U	93 UJ	47 U	4.7 U	4.7 U	**820**	4.7 U	47 U
2-Chlorotoluene	UG/M3	5.2 U	21 U	100 UJ	52 U	5.2 U	5.2 U	5.2 U	5.2 U	52 U
2-Hexanone	UG/M3	8.2 U	33 U	160 UJ	82 U	8.2 U	8.2 U	8.2 U	8.2 U	82 U
4-Ethyltoluene	UG/M3	4.9 U	20 U	98 UJ	49 U	4.9 U	4.9 U	4.9 U	4.9 U	49 U
Acetone	UG/M3	**15**	**46 J**	**85 J-**	**600**	**27**	**25**	**33**	**12**	**86 J**
Allyl Chloride (3-Chloropropene)	UG/M3	3.1 U	13 U	63 UJ	31 U	3.1 U	3.1 U	3.1 U	3.1 U	31 U
Benzene	UG/M3	**1.6 J**	13 U	64 UJ	32 U	**0.42 J**	**0.58 J**	**0.69 J**	3.2 U	32 U
Benzyl Chloride	UG/M3	10 U	41 U	210 UJ	100 U	10 U	10 U	10 U	10 U	100 U
Bromodichloromethane	UG/M3	6.7 U	27 U	130 UJ	67 U	6.7 U	6.7 U	6.7 U	6.7 U	67 U
Bromoform	UG/M3	10 U	41 U	210 UJ	100 U	10 U	10 U	10 U	10 U	100 U
Bromomethane	UG/M3	3.9 U	16 U	78 UJ	39 U	3.9 U	3.9 U	3.9 U	3.9 U	39 U
Carbon Disulfide	UG/M3	3.1 U	12 U	62 UJ	31 U	3.1 U	3.1 U	3.1 U	3.1 U	31 U
Carbon Tetrachloride	UG/M3	6.3 U	25 U	130 UJ	63 U	6.3 U	6.3 U	6.3 U	6.3 U	63 U
Chlorobenzene	UG/M3	4.6 U	18 U	92 UJ	46 U	4.6 U	4.6 U	4.6 U	4.6 U	46 U
Chloroethane	UG/M3	2.6 U	11 U	53 UJ	26 U	2.6 U	2.6 U	2.6 U	2.6 U	26 U
Chloroform	UG/M3	4.9 U	**11 J**	98 UJ	49 U	4.9 U	4.9 U	**7.7**	**24**	49 U
Chloromethane	UG/M3	**1 J**	8.3 U	41 UJ	21 U	2.1 U	2.1 U	2.1 U	2.1 U	21 U
Cis-1,2-Dichloroethylene	UG/M3	4 U	16 U	79 UJ	40 U	4 U	4 U	4 U	4 U	40 U
Cis-1,3-Dichloropropene	UG/M3	4.5 U	18 U	91 UJ	45 U	4.5 U	4.5 U	4.5 U	4.5 U	45 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-71-AMB	7_MP-71D	7_MP-71S	7_MP-72D	7_MP-72S	7_MP-72S	7_MP-73D	7_MP-73S	7_MP-7D
Sample Date:		10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/16/2023
Normal or Field Duplicate:		N	N	N	N	N	FD	N	N	N
Parameter	Unit									
Cyclohexane	UG/M3	**0.76 J**	14 U	69 UJ	34 U	3.4 U	3.4 U	**280**	3.4 U	34 U
Dibromochloromethane	UG/M3	8.5 U	34 U	170 UJ	85 U	8.5 U	8.5 U	8.5 U	8.5 U	85 U
Dichlorodifluoromethane	UG/M3	**2.8 J**	**2.9 J**	99 UJ	49 U	**2.5 J**	**2.6 J**	**2 J**	**2.5 J**	49 U
Ethanol	UG/M3	**37**	**45**	**100 J-**	**59 J**	**34**	**34**	**11**	**5 J**	94 U
Ethyl Acetate	UG/M3	7.2 U	29 U	140 UJ	72 U	7.2 U	7.2 U	7.2 U	7.2 U	72 U
Ethylbenzene	UG/M3	4.3 U	17 U	87 UJ	43 U	**3 J**	**2 J**	4.3 U	4.3 U	43 U
Hexachlorobutadiene	UG/M3	21 U	85 U	430 UJ	210 U	21 U	21 U	21 U	21 U	210 U
Isopropanol	UG/M3	**14**	**630**	**1000 J-**	**410**	**200**	**250**	**23**	**33**	**43000**
m,p-Xylene	UG/M3	4.3 U	**9.3 J**	87 UJ	43 U	**12 J**	**7.6 J**	**1.6 J**	4.3 U	43 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**2.9**	**9.9 J**	**20 J-**	29 U	**7.5**	**4.4**	**3**	**3.8**	**55**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	**0.87 J**	16 U	82 UJ	41 U	**1.1 J**	**0.91 J**	4.1 U	4.1 U	41 U
Methyl Methacrylate	UG/M3	**0.89 J**	16 U	82 UJ	41 U	4.1 U	4.1 U	4.1 U	4.1 U	41 U
Methylene Chloride	UG/M3	**1.2 J**	28 U	140 UJ	69 U	6.9 U	6.9 U	6.9 U	6.9 U	69 U
N-Heptane	UG/M3	4.1 U	16 U	82 UJ	41 U	4.1 U	4.1 U	4.1 U	4.1 U	41 U
N-Hexane	UG/M3	**1.7 J**	14 U	70 UJ	35 U	3.5 U	3.5 U	3.5 U	3.5 U	35 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	4.3 U	17 U	87 UJ	43 U	**3.8 J**	**2.3 J**	4.3 U	4.3 U	43 U
Propylene	UG/M3	1.7 U	6.9 U	34 UJ	17 U	1.7 U	1.7 U	1.7 U	1.7 U	17 U
Styrene	UG/M3	4.3 U	17 U	85 UJ	43 U	4.3 U	4.3 U	4.3 U	4.3 U	43 U
Tert-Butyl Alcohol	UG/M3	3 U	12 U	61 UJ	30 U	**0.76 J**	**1.1 J**	3 U	3 U	30 U
Tert-Butyl Methyl Ether	UG/M3	3.6 U	14 U	72 UJ	36 U	3.6 U	3.6 U	3.6 U	3.6 U	36 U
Tetrachloroethylene (PCE)	UG/M3	14 U	54 U	270 UJ	140 U	**7.8 J**	**8.3 J**	14 U	14 U	140 U
Tetrahydrofuran	UG/M3	2.9 U	12 U	59 UJ	29 U	**1 J**	**0.89 J**	**3.3**	**5.3**	29 U
Toluene	UG/M3	**2.6 J**	15 U	75 UJ	38 U	3.8 U	**2 J**	**1.5 J**	3.8 U	38 U
Trans-1,2-Dichloroethene	UG/M3	4 U	16 U	79 UJ	40 U	4 U	4 U	4 U	4 U	40 U
Trans-1,3-Dichloropropene	UG/M3	4.5 U	18 U	91 UJ	45 U	4.5 U	4.5 U	4.5 U	4.5 U	45 U
Trichloroethylene (TCE)	UG/M3	5.4 U	21 U	110 UJ	54 U	5.4 U	5.4 U	5.4 U	5.4 U	54 U
Trichlorofluoromethane	UG/M3	**1.3 J**	22 U	110 UJ	56 U	**1.9 J**	**1.9 J**	**1.8 J**	**3.2 J**	56 U
Vinyl Acetate	UG/M3	3.5 U	14 U	70 UJ	35 U	3.5 U	3.5 U	3.5 U	3.5 U	35 U
Vinyl Bromide	UG/M3	4.4 U	17 U	87 UJ	44 U	4.4 U	4.4 U	4.4 U	4.4 U	44 U
Vinyl Chloride	UG/M3	2.6 U	10 U	51 UJ	26 U	2.6 U	2.6 U	2.6 U	2.6 U	26 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-7S	7_MP-81	7_MP-8D	7_MP-8S	7_MP-9D	7_MP-9S	8_MP-76-AMB	8_MP-76D	8_MP-76D
Sample Date:		10/16/2023	10/23/2023	10/25/2023	10/25/2023	10/16/2023	10/16/2023	10/25/2023	10/25/2023	10/25/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	FD
Parameter	Unit									
1,1,1-Trichloroethane (TCA)	UG/M3	55 U	**0.79 J**	**1.8 J**	**0.66 J-**	55 UJ	55 U	5.5 U	5.5 U	5.5 U
1,1,2,2-Tetrachloroethane	UG/M3	69 U	6.9 U	6.9 U	6.9 UJ	69 UJ	69 U	6.9 U	6.9 U	6.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	77 U	7.7 U	7.7 U	7.7 UJ	77 UJ	77 U	7.7 U	7.7 U	7.7 U
1,1,2-Trichloroethane	UG/M3	55 U	5.5 U	5.5 U	5.5 UJ	55 UJ	55 U	5.5 U	5.5 U	5.5 U
1,1-Dichloroethane	UG/M3	40 U	4 U	4 U	4 UJ	40 UJ	40 U	4 U	4 U	4 U
1,1-Dichloroethene	UG/M3	40 U	4 U	4 U	4 UJ	40 UJ	40 U	4 U	4 U	4 U
1,2,4-Trichlorobenzene	UG/M3	150 U	15 U	15 U	15 UJ	150 UJ	150 U	15 U	15 U	**5 J**
1,2,4-Trimethylbenzene	UG/M3	98 U	**1.4 J**	**3.9 J**	**1.4 J-**	98 UJ	98 U	9.8 U	**1.5 J**	**1.5 J**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	77 U	7.7 U	7.7 U	7.7 UJ	77 UJ	77 U	7.7 U	7.7 U	7.7 U
1,2-Dichlorobenzene	UG/M3	60 U	6 U	6 U	6 UJ	60 UJ	60 U	6 U	6 U	6 U
1,2-Dichloroethane	UG/M3	40 U	4 U	4 U	4 UJ	40 UJ	40 U	4 U	4 U	4 U
1,2-Dichloropropane	UG/M3	46 U	4.6 U	4.6 U	4.6 UJ	46 UJ	46 U	4.6 U	4.6 U	4.6 U
1,2-Dichlorotetrafluoroethane	UG/M3	70 U	7 U	7 U	7 UJ	70 UJ	70 U	7 U	7 U	7 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	98 U	9.8 U	9.8 U	9.8 UJ	98 UJ	98 U	9.8 U	9.8 U	9.8 U
1,3-Butadiene	UG/M3	22 U	2.2 U	2.2 U	2.2 UJ	22 UJ	22 U	2.2 U	2.2 U	2.2 U
1,3-Dichlorobenzene	UG/M3	**280**	6 U	**26**	**14 J-**	**230 J-**	**320**	6 U	6 U	**2.9 J**
1,4-Dichlorobenzene	UG/M3	60 U	6 U	6 U	6 UJ	60 UJ	60 U	6 U	6 U	6 U
1,4-Dioxane (P-Dioxane)	UG/M3	36 U	3.6 U	3.6 U	3.6 UJ	36 UJ	36 U	3.6 U	3.6 U	3.6 U
2,2,4-Trimethylpentane	UG/M3	47 U	4.7 U	4.7 U	4.7 UJ	47 UJ	47 U	4.7 U	4.7 U	4.7 U
2-Chlorotoluene	UG/M3	52 U	5.2 U	5.2 U	5.2 UJ	52 UJ	52 U	5.2 U	5.2 U	5.2 U
2-Hexanone	UG/M3	82 U	8.2 U	**2 J**	8.2 UJ	82 UJ	82 U	8.2 U	8.2 U	8.2 U
4-Ethyltoluene	UG/M3	49 U	4.9 U	**0.99 J**	4.9 UJ	49 UJ	49 U	4.9 U	4.9 U	4.9 U
Acetone	UG/M3	**100 J**	**40**	**42**	**65 J-**	**310 J-**	**190**	**14**	**7.9 J**	**9.4 J**
Allyl Chloride (3-Chloropropene)	UG/M3	31 U	3.1 U	3.1 U	3.1 UJ	31 UJ	31 U	3.1 U	3.1 U	3.1 U
Benzene	UG/M3	**7.9 J**	**0.89 J**	**0.49 J**	**0.64 J-**	32 UJ	32 U	**1.2 J**	**0.52 J**	**0.55 J**
Benzyl Chloride	UG/M3	100 U	10 U	10 U	10 UJ	100 UJ	100 U	10 U	10 U	10 U
Bromodichloromethane	UG/M3	67 U	6.7 U	6.7 U	6.7 UJ	67 UJ	67 U	6.7 U	6.7 U	6.7 U
Bromoform	UG/M3	100 U	10 U	10 U	10 UJ	100 UJ	100 U	10 U	10 U	10 U
Bromomethane	UG/M3	39 U	3.9 U	3.9 U	3.9 UJ	39 UJ	39 U	3.9 U	3.9 U	3.9 U
Carbon Disulfide	UG/M3	31 U	3.1 U	3.1 U	3.1 UJ	31 UJ	31 U	3.1 U	3.1 U	3.1 U
Carbon Tetrachloride	UG/M3	63 U	6.3 U	6.3 U	6.3 UJ	63 UJ	63 U	6.3 U	6.3 U	6.3 U
Chlorobenzene	UG/M3	46 U	4.6 U	4.6 U	4.6 UJ	46 UJ	46 U	4.6 U	4.6 U	4.6 U
Chloroethane	UG/M3	26 U	2.6 U	2.6 U	2.6 UJ	26 UJ	26 U	2.6 U	2.6 U	2.6 U
Chloroform	UG/M3	49 U	**8.1**	**1.5 J**	4.9 UJ	49 UJ	49 U	4.9 U	**1.9 J**	**2.3 J**
Chloromethane	UG/M3	21 U	2.1 U	2.1 U	2.1 UJ	21 UJ	21 U	2.1 U	2.1 U	2.1 U
Cis-1,2-Dichloroethylene	UG/M3	40 U	4 U	4 U	4 UJ	40 UJ	40 U	4 U	4 U	4 U
Cis-1,3-Dichloropropene	UG/M3	45 U	4.5 U	4.5 U	4.5 UJ	45 UJ	45 U	4.5 U	4.5 U	4.5 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-7S	7_MP-81	7_MP-8D	7_MP-8S	7_MP-9D	7_MP-9S	8_MP-76-AMB	8_MP-76D	8_MP-76D
Sample Date:		10/16/2023	10/23/2023	10/25/2023	10/25/2023	10/16/2023	10/16/2023	10/25/2023	10/25/2023	10/25/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	FD
Parameter	Unit									
Cyclohexane	UG/M3	**10 J**	3.4 U	3.4 U	3.4 UJ	34 UJ	34 U	**0.88 J**	3.4 U	3.4 U
Dibromochloromethane	UG/M3	85 U	8.5 U	8.5 U	8.5 UJ	85 UJ	85 U	8.5 U	8.5 U	8.5 U
Dichlorodifluoromethane	UG/M3	49 U	**3 J**	**7.3**	**4.7 J-**	49 UJ	49 U	**2.4 J**	**2.2 J**	**2.4 J**
Ethanol	UG/M3	94 U	**13**	**71**	**93 J-**	94 UJ	94 U	**24**	**6.4 J**	**5.5 J**
Ethyl Acetate	UG/M3	72 U	7.2 U	7.2 U	7.2 UJ	72 UJ	72 U	**0.97 J**	7.2 U	7.2 U
Ethylbenzene	UG/M3	43 U	**0.83 J**	**2.2 J**	**1.9 J-**	**21 J-**	**12 J**	4.3 U	4.3 U	4.3 U
Hexachlorobutadiene	UG/M3	210 U	21 U	21 U	21 UJ	210 UJ	210 U	21 U	21 U	**8.1 J**
Isopropanol	UG/M3	**21000**	**72**	**260**	**350 J-**	**67000 J-**	**51000**	**4.1**	**14**	**11**
m,p-Xylene	UG/M3	43 U	**2.5 J**	**9.5**	**7.3 J-**	**74 J-**	**35 J**	**2 J**	**1.9 J**	**1.8 J**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**35**	**5.1**	**15**	**13 J-**	**85 J-**	**67**	**2.1 J**	**4.6**	**4.3**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	41 U	**0.64 J**	**2.5 J**	**3.7 J-**	41 UJ	41 U	4.1 U	4.1 U	4.1 U
Methyl Methacrylate	UG/M3	41 U	4.1 U	4.1 U	4.1 UJ	41 UJ	41 U	4.1 U	4.1 U	4.1 U
Methylene Chloride	UG/M3	69 U	6.9 U	6.9 U	6.9 UJ	69 UJ	69 U	6.9 U	6.9 U	6.9 U
N-Heptane	UG/M3	41 U	**1.1 J**	4.1 U	**1.1 J-**	41 UJ	41 U	4.1 U	4.1 U	4.1 U
N-Hexane	UG/M3	**21 J**	**1.3 J**	3.5 U	3.5 UJ	35 UJ	35 U	**1.5 J**	3.5 U	3.5 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	43 U	**0.85 J**	**3.1 J**	**2.5 J-**	**16 J-**	43 U	4.3 U	4.3 U	4.3 U
Propylene	UG/M3	17 U	1.7 U	1.7 U	**2.6 J-**	**14 J-**	17 U	**3.2**	**0.96 J**	**1.4 J**
Styrene	UG/M3	43 U	4.3 U	4.3 U	4.3 UJ	43 UJ	43 U	4.3 U	4.3 U	4.3 U
Tert-Butyl Alcohol	UG/M3	30 U	**1.8 J**	**0.94 J**	**1 J-**	30 UJ	**18 J**	3 U	3 U	3 U
Tert-Butyl Methyl Ether	UG/M3	36 U	3.6 U	3.6 U	3.6 UJ	36 UJ	36 U	3.6 U	3.6 U	3.6 U
Tetrachloroethylene (PCE)	UG/M3	140 U	14 U	**4.8 J**	14 UJ	140 UJ	140 U	14 U	14 U	14 U
Tetrahydrofuran	UG/M3	29 U	**5.8**	**0.76 J**	2.9 UJ	29 UJ	29 U	2.9 U	**2.5 J**	**2 J**
Toluene	UG/M3	38 U	**2.4 J**	**3.6 J**	**4.3 J-**	38 UJ	38 U	**3.6 J**	**1.9 J**	3.8 U
Trans-1,2-Dichloroethene	UG/M3	40 U	4 U	4 U	4 UJ	40 UJ	40 U	4 U	4 U	4 U
Trans-1,3-Dichloropropene	UG/M3	45 U	4.5 U	4.5 U	4.5 UJ	45 UJ	45 U	4.5 U	4.5 U	4.5 U
Trichloroethylene (TCE)	UG/M3	54 U	5.4 U	5.4 U	5.4 UJ	54 UJ	54 U	5.4 U	5.4 U	5.4 U
Trichlorofluoromethane	UG/M3	56 U	**2.9 J**	**12**	**7.1 J-**	56 UJ	56 U	**1.4 J**	**1.3 J**	**1.5 J**
Vinyl Acetate	UG/M3	35 U	3.5 U	3.5 U	3.5 UJ	35 UJ	35 U	3.5 U	3.5 U	3.5 U
Vinyl Bromide	UG/M3	44 U	4.4 U	4.4 U	4.4 UJ	44 UJ	44 U	4.4 U	4.4 U	4.4 U
Vinyl Chloride	UG/M3	26 U	2.6 U	2.6 U	2.6 UJ	26 UJ	26 U	2.6 U	2.6 U	2.6 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		8_MP-76S	8_MP-77D	8_MP-77S	8_MP-78D	8_MP-78S	8_MP-80
Sample Date:		10/25/2023	12/27/2023	12/29/2023	10/25/2023	10/25/2023	10/25/2023
Normal or Field Duplicate:		N	N	N	N	N	N
Parameter	Unit						
1,1,1-Trichloroethane (TCA)	UG/M3	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U
1,1,2,2-Tetrachloroethane	UG/M3	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U
1,1,2-Trichloroethane	UG/M3	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U
1,1-Dichloroethane	UG/M3	4 U	4 U	4 U	4 U	4 U	4 U
1,1-Dichloroethene	UG/M3	4 U	4 U	4 U	4 U	4 U	4 U
1,2,4-Trichlorobenzene	UG/M3	15 U	15 U	15 U	15 U	15 U	15 U
1,2,4-Trimethylbenzene	UG/M3	**1.6 J**	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U
1,2-Dichlorobenzene	UG/M3	6 U	6 UT	6 U	6 U	6 U	6 U
1,2-Dichloroethane	UG/M3	4 U	**0.5 J**	4 U	4 U	4 U	4 U
1,2-Dichloropropane	UG/M3	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
1,2-Dichlorotetrafluoroethane	UG/M3	7 U	7 U	7 U	7 U	7 U	7 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
1,3-Butadiene	UG/M3	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
1,3-Dichlorobenzene	UG/M3	6 U	6 U	6 U	6 U	6 U	**9.4**
1,4-Dichlorobenzene	UG/M3	6 U	6 U	6 U	6 U	6 U	6 U
1,4-Dioxane (P-Dioxane)	UG/M3	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
2,2,4-Trimethylpentane	UG/M3	4.7 U	4.7 U	4.7 U	4.7 U	4.7 U	**2.3 J**
2-Chlorotoluene	UG/M3	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
2-Hexanone	UG/M3	8.2 U	8.2 U	**3 J**	8.2 U	8.2 U	8.2 U
4-Ethyltoluene	UG/M3	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U
Acetone	UG/M3	**12**	**15**	**32**	**13**	**13**	**69**
Allyl Chloride (3-Chloropropene)	UG/M3	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	UG/M3	**0.48 J**	**1.3 J**	**0.69 J**	**0.64 J**	**0.63 J**	**0.96 J**
Benzyl Chloride	UG/M3	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/M3	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U
Bromoform	UG/M3	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	UG/M3	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
Carbon Disulfide	UG/M3	3.1 U	3.1 U	**12**	3.1 U	3.1 U	3.1 U
Carbon Tetrachloride	UG/M3	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
Chlorobenzene	UG/M3	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
Chloroethane	UG/M3	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Chloroform	UG/M3	4.9 U	4.9 U	**4.9**	4.9 U	4.9 U	4.9 U
Chloromethane	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Cis-1,2-Dichloroethylene	UG/M3	4 U	4 U	4 U	4 U	4 U	4 U
Cis-1,3-Dichloropropene	UG/M3	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		8_MP-76S	8_MP-77D	8_MP-77S	8_MP-78D	8_MP-78S	8_MP-80
Sample Date:		10/25/2023	12/27/2023	12/29/2023	10/25/2023	10/25/2023	10/25/2023
Normal or Field Duplicate:		N	N	N	N	N	N
Parameter	Unit						
Cyclohexane	UG/M3	3.4 U	**0.97 J**	3.4 U	3.4 U	3.4 U	**0.83 J**
Dibromochloromethane	UG/M3	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
Dichlorodifluoromethane	UG/M3	**2.2 J**	**2.4 J**	**2.6 J**	**3.4 J**	**4.1 J**	**1.5 J**
Ethanol	UG/M3	**8.9 J**	**29**	**19**	**19**	**59**	**130**
Ethyl Acetate	UG/M3	7.2 U	7.2 U	**4.1 J**	7.2 U	7.2 U	7.2 U
Ethylbenzene	UG/M3	4.3 U	4.3 U	**0.9 J**	4.3 U	4.3 U	**2.8 J**
Hexachlorobutadiene	UG/M3	21 U	21 U	21 U	21 U	21 U	21 U
Isopropanol	UG/M3	**22**	**3.7**	**5.8**	**29**	**43**	**340**
m,p-Xylene	UG/M3	**2.4 J**	4.3 U	**2.8 J**	4.3 U	4.3 U	**12**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**8.1**	**5.5**	**31**	**1.9 J**	**1.5 J**	**10**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	**2.7 J**
Methyl Methacrylate	UG/M3	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Methylene Chloride	UG/M3	6.9 U	**0.97 J**	**4.8 J**	**30**	**19**	**2.9 J**
N-Heptane	UG/M3	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	**1.4 J**
N-Hexane	UG/M3	3.5 U	**1.4 J**	**1.1 J**	**2.2 J**	**1.5 J**	**1.2 J**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**0.85 J**	4.3 U	**1.7 J**	4.3 U	4.3 U	**3.5 J**
Propylene	UG/M3	**1.8**	1.7 U	1.7 U	**1.7**	1.7 U	1.7 U
Styrene	UG/M3	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
Tert-Butyl Alcohol	UG/M3	3 U	**0.77 J**	**3.5**	3 U	3 U	**0.91 J**
Tert-Butyl Methyl Ether	UG/M3	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
Tetrachloroethylene (PCE)	UG/M3	14 U	**2.4 J**	**3.1 J**	14 U	14 U	14 U
Tetrahydrofuran	UG/M3	**3.7**	2.9 U	**0.82 J**	**1.2 J**	2.9 U	2.9 U
Toluene	UG/M3	**2.3 J**	**2.5 J**	**2.6 J**	**1.6 J**	3.8 U	**5.2**
Trans-1,2-Dichloroethene	UG/M3	4 U	4 U	4 U	4 U	4 U	4 U
Trans-1,3-Dichloropropene	UG/M3	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
Trichloroethylene (TCE)	UG/M3	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
Trichlorofluoromethane	UG/M3	**1.2 J**	**1.1 J**	**3.3 J**	**2 J**	**2.1 J**	**0.84 J**
Vinyl Acetate	UG/M3	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Vinyl Bromide	UG/M3	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U
Vinyl Chloride	UG/M3	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U

Table 4. Summary of Methane in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-10D	7_MP-10S	7_MP-11D	7_MP-11S	7_MP-12D	7_MP-12S	7_MP-13D	7_MP-15-AMB	7_MP-15D
Sample Date:		10/17/2023	10/17/2023	10/17/2023	10/17/2023	10/16/2023	10/16/2023	10/23/2023	10/17/2023	10/17/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
Methane	MG/M3	**1.5 J**	**3 J**	6.6 U	**1.2 J**	**2.9 J**	**1.4 J**	6.6 U	**1.4 J**	8.2 U

Table 4. Summary of Methane in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-15S	7_MP-16D	7_MP-16S	7_MP-17D	7_MP-17S	7_MP-1D	7_MP-1S	7_MP-27	7_MP-28
Sample Date:		10/17/2023	10/24/2023	10/24/2023	10/25/2023	10/25/2023	10/16/2023	10/16/2023	10/23/2023	10/26/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
Methane	MG/M3	6.6 U	**1.6 J**	**6.2 J**	6.6 U	**2.6 J**	**1.8 J**	**1.8 J**	6.6 U	**130000**

Table 4. Summary of Methane in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-2D	7_MP-2S	7_MP-2S	7_MP-30	7_MP-31	7_MP-33	7_MP-33-AMB	7_MP-3D	7_MP-3S
Sample Date:		10/18/2023	10/18/2023	10/18/2023	10/20/2023	10/20/2023	10/27/2023	10/27/2023	10/23/2023	10/23/2023
Normal or Field Duplicate:		N	N	FD	N	N	N	N	N	N
Parameter	Unit									
Methane	MG/M3	6.6 U	**1.2 J**	**1.2 J**	6.6 U	**12**	6.6 U	**2.6 J+**	**3.8 J**	6.6 U

Table 4. Summary of Methane in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-4D	7_MP-4S	7_MP-5D	7_MP-5S	7_MP-64	7_MP-68	7_MP-6-AMB	7_MP-6D	7_MP-6S
Sample Date:		10/31/2023	10/18/2023	10/18/2023	10/18/2023	10/25/2023	10/24/2023	10/18/2023	10/18/2023	10/18/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
Methane	MG/M3	**89**	9.8 U	6.6 U	6.6 U	9.8 U	**4.3 J**	**1.6 J**	8.2 U	6.6 U

Table 4. Summary of Methane in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-71-AMB	7_MP-71D	7_MP-71S	7_MP-72D	7_MP-72S	7_MP-72S	7_MP-73D	7_MP-73S	7_MP-7D
Sample Date:		10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/24/2023	10/16/2023
Normal or Field Duplicate:		N	N	N	N	N	FD	N	N	N
Parameter	Unit									
Methane	MG/M3	**1.7 J**	**1.4 J**	13 UJ	**2200**	**2.8 J**	6.6 U	**3.6 J**	**2.3 J**	**1.7 J**

Table 4. Summary of Methane in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		7_MP-7S	7_MP-81	7_MP-8D	7_MP-8S	7_MP-9D	7_MP-9S	8_MP-76-AMB	8_MP-76D	8_MP-76D
Sample Date:		10/16/2023	10/23/2023	10/25/2023	10/25/2023	10/16/2023	10/16/2023	10/25/2023	10/25/2023	10/25/2023
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	FD
Parameter	Unit									
Methane	MG/M3	6.6 U	8.2 U	**1.4 J**	**6.7 J-**	9.8 UJ	6.6 U	**4.2 J**	**1.4 J**	**1.3 J**

Table 4. Summary of Methane in Soil Vapor, 400 Kingsland Avenue, Greenpoint, New York

Sample Designation:		8_MP-76S	8_MP-77D	8_MP-77S	8_MP-78D	8_MP-78S	8_MP-80
Sample Date:		10/25/2023	12/27/2023	12/29/2023	10/25/2023	10/25/2023	10/25/2023
Normal or Field Duplicate:		N	N	N	N	N	N
Parameter	Unit						
Methane	MG/M3	**2.1 J**	**1.5 J**	6.6 U	**2.9 J**	**2.8 J**	**1.4 J**

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-10D	10/17/2023	0.6 J	1.5 J
7.MP-10D	10/17/2022	1.4 J	2.4 J
7.MP-10D	10/28/2021	3.2 U	2.6 J
7.MP-10D	10/14/2020	1.4 J	1.7 J
7.MP-10D	10/16/2019	0.35 U	3 U
7.MP-10D	10/24/2018	0.8 J	6.6 U
7.MP-10D	10/12/2017	3.2 U	6.6 U
7.MP-10D	10/28/2016	2.6 U	3.9 U
7.MP-10D	4/6/2016	2.6 U	11.1 JV
7.MP-10D	7/20/2015	2.6 U	4.40 U
7.MP-10D	11/20/2014	2.6 U	3.9 U
7.MP-10D	4/21/2014	6.7	3.8 U
7.MP-10D	8/9/2013	2.6 U	4.1 U
7.MP-10D	11/12/2012	0.64 UJV	4 UJV
7.MP-10D	3/5/2012	0.64 U	5 J
7.MP-10D	5/12/2011	2.6 U	13.6
7.MP-10D	8/26/2010	2 J	3.9 U
7.MP-10D	1/29/2010	5.1 U	3.3 U
7.MP-10D	8/4/2009	952000 E	39700 E
7.MP-10D	2/2/2009	1270000 E	85700 E
7.MP-10D	7/16/2008	1760000 E	80500 E
7.MP-10D	2/5/2008	1240000 E	73900 E
7.MP-10D	7/31/2007	1460000 E	60600 E
7.MP-10D	6/21/2007	480 U	7330 E
7.MP-10D	6/18/2007	1770000 E	46000 E
7.MP-10D	6/14/2007	1850000 E	39500 E
7.MP-10D	6/11/2007	1940000 E	54000 E
7.MP-10D	6/8/2007	1050000 E	34000 E
7.MP-10D	6/5/2007	1760000 E	57800 E
7.MP-10D	6/1/2007	1260000 E	46100 E
7.MP-10D	5/29/2007	786000 E	29100 E
7.MP-10D	5/18/2007	1930000 E	85100 E
7.MP-10D	1/23/2007	1160000 E	96200 E
7.MP-10D	12/1/2006	560000	--
7.MP-10D	11/30/2006	13100	--
7.MP-10D	11/29/2006	1340000	--
7.MP-10D	11/16/2006	2510000	125000 E
7.MP-10D	11/15/2006	1160000	83100 E
7.MP-10D	8/14/2006	3770000	109000 E
7.MP-10D	7/28/2006	1840000	104000 E
7.MP-10S	10/17/2023	0.38 J	3 J

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-10S	10/17/2022	0.55 J	1.6 J
7.MP-10S	10/28/2021	3.2 U	1.2 J
7.MP-10S	10/14/2020	0.43 J	2 J
7.MP-10S	10/16/2019	0.35 U	3 U
7.MP-10S	10/23/2018	3.2 U	6.6 U
7.MP-10S	10/12/2017	3.2 U	6.6 U
7.MP-10S	10/28/2016	2.6 U	3.7 U
7.MP-10S	4/6/2016	2.6 U	4.1 U
7.MP-10S	7/20/2015	2.6 U	4.20 U
7.MP-10S	11/20/2014	2.9	3.7 U
7.MP-10S	4/21/2014	2.6 U	3.7 U
7.MP-10S	8/9/2013	2.6 U	4.1 U
7.MP-10S	11/12/2012	0.64 U	4 UV
7.MP-10S	3/5/2012	0.64 U	6 J
7.MP-10S	5/12/2011	2.6 U	3.9 U
7.MP-10S	8/26/2010	2.6 U	4.1 U
7.MP-10S	1/29/2010	0.64 U	3.3 U
7.MP-10S	8/4/2009	3.2	6.61
7.MP-10S	2/2/2009	1710	45200 E
7.MP-10S	7/16/2008	233	4.2 U
7.MP-10S	1/30/2008	5210	2020 E
7.MP-10S	7/31/2007	70 U	338
7.MP-10S	6/21/2007	480 U	9.8 U
7.MP-10S	6/18/2007	830	792
7.MP-10S	6/14/2007	480 U	23.9
7.MP-10S	6/11/2007	280	6180 E
7.MP-10S	6/8/2007	32.3	137
7.MP-10S	6/5/2007	438	5010 E
7.MP-10S	6/1/2007	15 U	347
7.MP-10S	5/29/2007	716	1420 E
7.MP-10S	5/18/2007	59400	28300 E
7.MP-10S	1/23/2007	190 U	31100 E
7.MP-10S	12/1/2006	3580	--
7.MP-10S	11/30/2006	31.5	--
7.MP-10S	11/29/2006	12300	--
7.MP-10S	11/16/2006	19500	97500 E
7.MP-10S	11/15/2006	5100	497
7.MP-10S	8/14/2006	891000	63700 E
7.MP-10S	7/14/2006	64900	18900 E
7.MP-11D	10/17/2023	130 U	6.6 U
7.MP-11D	10/17/2022	32 U	0.68 J

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-11D	10/27/2021	0.62 J	6.6 U
7.MP-11D	10/14/2020	0.8 J	1.3 J
7.MP-11D	10/16/2019	0.59 J	3 U
7.MP-11D	10/23/2018	1.3 J	4 J
7.MP-11D	10/12/2017	0.7 J	6.6 U
7.MP-11D	10/28/2016	2.6 U	3.9 U
7.MP-11D	4/7/2016	1.1 J	4.1
7.MP-11D	7/20/2015	2.6 U	4.30 U
7.MP-11D	11/20/2014	2.6 U	3.8 U
7.MP-11D	4/21/2014	2.1 J	7.53
7.MP-11D	8/9/2013	2.6 U	4.4 U
7.MP-11D	11/12/2012	0.64 UJV	4 UJV
7.MP-11D	3/5/2012	0.64 U	9
7.MP-11D	5/12/2011	2.6 U	3.7 U
7.MP-11D	8/25/2010	2.6 U	4.1 U
7.MP-11D	1/29/2010	2.6 U	3.9
7.MP-11D	8/4/2009	799000 E	31500 E
7.MP-11D	2/2/2009	1040000 E	37600 E
7.MP-11D	7/16/2008	1040000 E	37200 E
7.MP-11D	1/30/2008	965000 E	41200 E
7.MP-11D	7/31/2007	971000 E	30200 E
7.MP-11D	7/24/2007	521000	NA
7.MP-11D	6/21/2007	4500	6140 E
7.MP-11D	6/18/2007	111000	6670 E
7.MP-11D	6/14/2007	227000	15900 E
7.MP-11D	6/11/2007	174000	27200 E
7.MP-11D	6/8/2007	48600	522
7.MP-11D	6/5/2007	741000	23000 E
7.MP-11D	6/1/2007	776000	8570 E
7.MP-11D	5/29/2007	1220000 E	36100 E
7.MP-11D	5/18/2007	489000 E	14800 E
7.MP-11D	1/22/2007	1100000 E	61600 E
7.MP-11D DUP	1/22/2007	1160000 E	60900 E
7.MP-11D	8/17/2006	1820000	50600 E
7.MP-11D	7/14/2006	1510000	55800 E
7.MP-11D-AMB	1/22/2007	450	12.6
7.MP-11S	10/17/2023	130 U	1.2 J
7.MP-11S	10/17/2022	6.4 U	1.6 J
7.MP-11S	10/27/2021	0.46 J	6.6 U
7.MP-11S	10/14/2020	3.2 U	2.1 J
7.MP-11S	10/16/2019	0.35 U	3 U

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-11S	10/23/2018	1.7 J	6.6 U
7.MP-11S	10/12/2017	3.2 U	6.6 U
7.MP-11S	10/28/2016	2.6 U	3.8 U
7.MP-11S	4/7/2016	2.6 U	10.5
7.MP-11S	7/20/2015	1.4 J	4.50 U
7.MP-11S	11/20/2014	2.6 U	3.8 U
7.MP-11S	4/21/2014	2.6 U	3.9 U
7.MP-11S	8/9/2013	2.6 U	4.1 U
7.MP-11S	11/12/2012	0.64 U	3 UV
7.MP-11S	3/5/2012	0.64 U	9
7.MP-11S	5/12/2011	2.6 U	57.1
7.MP-11S	8/25/2010	2.6 U	4.3 U
7.MP-11S	1/29/2010	2.6 U	3.3 U
7.MP-11S	8/4/2009	2.3 J	36.3
7.MP-11S	2/2/2009	6.1	8.9
7.MP-11S	7/16/2008	265	4.1 U
7.MP-11S	1/30/2008	150 U	573
7.MP-11S	7/31/2007	6.1 U	16.3
7.MP-11S	6/21/2007	480 U	17.3
7.MP-11S	6/18/2007	480 U	33
7.MP-11S	6/14/2007	480 U	9.8 U
7.MP-11S	6/11/2007	20	16.9
7.MP-11S	6/8/2007	15 U	49
7.MP-11S	6/5/2007	315	80.5
7.MP-11S	6/1/2007	15 U	19.5
7.MP-11S	5/29/2007	3510	457
7.MP-11S	5/18/2007	1310	7.85
7.MP-11S	4/30/2007	NA	154
7.MP-11S	3/30/2007	70 U	NA
7.MP-11S	1/22/2007	1100	3000 E
7.MP-11S	8/17/2006	86.9	18.5
7.MP-11S	7/14/2006	82.1	596
7.MP-12D	10/16/2023	130 U	2.9 J
7.MP-12D	10/26/2022	3.2 U	1.7 J
7.MP-12D	10/29/2021	0.71 J	1.8 J
7.MP-12D	10/22/2020	0.85 J	5.7 J
7.MP-12D	10/8/2019	0.62 J	3 U
7.MP-12D	10/24/2018	0.73 J	3 J
7.MP-12D	10/16/2017	0.66 J	3 J
7.MP-12D	11/2/2016	1.5 J	3.8 U
7.MP-12D	4/6/2016	1.9 J	4.1 U

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-12D	7/21/2015	2.7	4.40 U
7.MP-12D	11/18/2014	2.6 U	3.8 U
7.MP-12D	4/22/2014	1.9 J	47.6
7.MP-12D	8/8/2013	2.6 U	4.1 U
7.MP-12D	11/19/2012	0.99 J	4 UJV
7.MP-12D	3/1/2012	0.64 U	50
7.MP-12D	5/13/2011	1.4 J	12.2
7.MP-12D	8/26/2010	2.6 U	4.1 U
7.MP-12D	1/27/2010	1.7 J	3.3 U
7.MP-12D	7/30/2009	57200	18100 E
7.MP-12D	2/12/2009	54000	24300 E
7.MP-12D	7/22/2008	42500	15900 E
7.MP-12D	1/31/2008	1450	1170 E
7.MP-12D	8/1/2007	105000	31800 E
7.MP-12D	1/24/2007	35800	18300 E
7.MP-12D	8/17/2006	20100	11000 E
7.MP-12D	7/19/2006	22000	18200 E
7.MP-12S	10/16/2023	130 U	1.4 J
7.MP-12S	10/26/2022	3.2 U	1.3 J
7.MP-12S	10/29/2021	0.58 J	1.8 J
7.MP-12S	10/22/2020	0.82 J	3.4 J
7.MP-12S	10/8/2019	0.55 J	3 U
7.MP-12S	10/25/2018	0.89 J	6.6 U
7.MP-12S	10/16/2017	3.2 U	6.6 U
7.MP-12S	11/2/2016	2.6 U	3.9 U
7.MP-12S	4/6/2016	1.1 J	3.7 U
7.MP-12S	7/21/2015	27	4.30 U
7.MP-12S	11/18/2014	2.6 U	3.8 U
7.MP-12S	4/22/2014	4.2	8.9
7.MP-12S	8/8/2013	2.6 U	4.2 U
7.MP-12S	11/19/2012	0.64 UJV	4 UJV
7.MP-12S	3/1/2012	1.6 J	4 J
7.MP-12S	5/13/2011	2.6 U	4.3 U
7.MP-12S	8/26/2010	2.6 U	4.1 U
7.MP-12S	1/27/2010	2.6 U	3.3 U
7.MP-12S	8/6/2009	2.6 U	10.5
7.MP-12S	2/2/2009	2.6 U	11.1
7.MP-12S	7/14/2008	23	3.8 U
7.MP-12S	1/31/2008	20	3.3 U
7.MP-12S	8/1/2007	6.1 U	28.1
7.MP-12S	1/24/2007	24000	333

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-12S	8/17/2006	37.1	3.7
7.MP-12S	7/19/2006	24	4.1 U
7.MP-13	10/25/2018	1.2 J	6.6 U
7.MP-13D	10/23/2023	32 U	6.6 U
7.MP-13D	10/28/2022	0.35 J	1.3 J
7.MP-13D	10/29/2021	3.2 U	1.4 J
7.MP-13D	10/20/2020	3.2 U	1.2 J
7.MP-13D	10/17/2019	0.45 J	3 U
7.MP-13D	10/31/2018	0.9 J	6.6 U
7.MP-13D	10/16/2017	0.76 J	6.6 U
7.MP-13D	10/24/2016	2.6 U	4.1 U
7.MP-13D	4/8/2016	2.6 U	4.3 U
7.MP-13D	7/21/2015	2 J	4.80 U
7.MP-13D	11/21/2014	2.6 U	4.1 U
7.MP-13D	4/21/2014	2.6 U	4.1 U
7.MP-13D	8/8/2013	2.6 U	16.3
7.MP-13D	11/20/2012	1.9 J	20
7.MP-13D	3/8/2012	3.2	3 J
7.MP-13D	5/9/2011	2.6 U	3.9 U
7.MP-13D	8/24/2010	3.8	3.7 U
7.MP-13D	2/2/2010	123	4.8
7.MP-13D	8/3/2009	1600 U	73900 E
7.MP-13D	1/27/2009	2800 U	91600 E
7.MP-13D	7/22/2008	3800 U	119000 E
7.MP-13D	1/28/2008	1500 U	83800 E
7.MP-13D	8/30/2007	10 U	1190
7.MP-13D	1/22/2007	160 U	107000 E
7.MP-13D	8/16/2006	6700 U	109000 E
7.MP-13D	7/24/2006	6100 U	105000 E
7.MP-13D DUP	7/24/2006	6100 U	101000 E
7.MP-13S	10/28/2022	3.2 U	6.6 U
7.MP-13S	10/29/2021	0.55 J	8.2 U
7.MP-13S	10/20/2020	0.46 J	1.7 J
7.MP-13S	10/17/2019	0.37 J	3 U
7.MP-13S	10/16/2017	1 J	6.6 U
7.MP-13S	10/24/2016	2.6 U	3.3 U
7.MP-13S	4/8/2016	2.6 U	4.1 U
7.MP-13S	7/21/2015	19	4.40 U
7.MP-13S	11/21/2014	2.6 U	29.9
7.MP-13S	4/21/2014	1.8 J	4.2 U

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-13S	8/8/2013	2.5 J	23.3
7.MP-13S	11/12/2012	3.2 U	4 UV
7.MP-13S	3/8/2012	3.5	4 J
7.MP-13S	5/9/2011	1.5 J	3.9 U
7.MP-13S	8/24/2010	11	5.2
7.MP-13S	2/5/2010	2.9	14.2
7.MP-13S	8/3/2009	2180	77900 E
7.MP-13S	1/27/2009	2900 U	84400 E
7.MP-13S	7/22/2008	1500 U	109000 E
7.MP-13S	1/28/2008	1500 U	68100 E
7.MP-13S	7/30/2007	220 U	42500 E
7.MP-13S	1/22/2007	160 U	91000 E
7.MP-13S	8/16/2006	5800 U	105000 E
7.MP-13S	7/12/2006	5.1 U	16.9
7.MP-15-AMB	10/17/2023	130 U	1.4 J
7.MP-15-AMB	10/26/2022	3.2 U	3.4 J
7.MP-15-AMB	11/3/2021	0.83 J	10
7.MP-15_AMB	10/18/2019	1.1 J	37
7.MP-15-AMB	10/29/2018	1.3 J	6.6 U
7.MP-15-AMB	10/16/2017	1.3 J	6.6 U
7.MP-15D	10/17/2023	130 U	8.2 U
7.MP-15D	10/26/2022	64 U	74
7.MP-15D	11/3/2021	0.56 J	6.6 U
7.MP-15D	10/22/2020	0.54 J	1.9 J
7.MP-15D	10/18/2019	0.67 J	3 U
7.MP-15D	10/29/2018	0.88 J	6.6 U
7.MP-15D	10/16/2017	1.4 J	6.6 U
7.MP-15D	11/2/2016	94.9	125
7.MP-15D	4/6/2016	18	149
7.MP-15D	7/20/2015	67 U	89
7.MP-15D	11/18/2014	90.4 J	283
7.MP-15D	4/22/2014	75700 JV	5810 E
7.MP-15D	8/8/2013	120 U	253
7.MP-15D	11/20/2012	69000	6600
7.MP-15D	4/13/2012	150 J	350
7.MP-15D	3/6/2012	140000	390
7.MP-15D	5/10/2011	415	12.2
7.MP-15D DUP	5/10/2011	148	7
7.MP-15D	8/16/2010	1120	51.7
7.MP-15D DUP	8/16/2010	2530	71.3
7.MP-15D	1/27/2010	60100	4130 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-15D	7/30/2009	116000	1120 E
7.MP-15D DUP	7/30/2009	71200	1010 E
7.MP-15D	2/6/2009	5690	1350 E
7.MP-15D	7/14/2008	438000 E	17300 E
7.MP-15D	1/31/2008	66400	624
7.MP-15D	8/1/2007	162000	19800 E
7.MP-15D	7/23/2007	1050000	NA
7.MP-15D	3/14/2007	891000	10400 E
7.MP-15D	1/24/2007	645000 E	45700 E
7.MP-15D	9/5/2006	9970000	45400 E
7.MP-15D	8/21/2006	613000	47200 E
7.MP-15S	10/17/2023	130 U	6.6 U
7.MP-15S	10/26/2022	3.2 U	6.6 U
7.MP-15S	11/3/2021	3.2 U	6.6 U
7.MP-15S	10/22/2020	0.41 J	1.5 J
7.MP-15S	10/18/2019	0.52 J	3 UJ
7.MP-15S	10/29/2018	1.4 J	6.6 U
7.MP-15S	10/16/2017	1.3 J	6.6 U
7.MP-15S	11/2/2016	2.6 U	3.9 U
7.MP-15S	4/6/2016	2.6 U	3.9 U
7.MP-15S	7/20/2015	2.6 U	4.40 U
7.MP-15S	11/18/2014	2.6 U	3.9 U
7.MP-15S	4/22/2014	1.6 J	61.6
7.MP-15S	8/8/2013	2.8	10.3
7.MP-15S	11/20/2012	0.64 U	4 UV
7.MP-15S	3/6/2012	0.64 U	4 J
7.MP-15S	5/10/2011	2.6 U	3.7 U
7.MP-15S	8/16/2010	1.4 J	4.1 U
7.MP-15S	1/27/2010	5.8 U	3.8 U
7.MP-15S	7/30/2009	3.5	51.1
7.MP-15S	2/2/2009	1.4 J	11.1
7.MP-15S	7/14/2008	5.1 U	10.7
7.MP-15S	1/31/2008	58 U	3.3 U
7.MP-15S	8/1/2007	4760	15100 E
7.MP-15S	3/14/2007	33200	15200 E
7.MP-15S DUP	3/14/2007	31300	14900 E
7.MP-15S	1/24/2007	29000	9420 E
7.MP-15S	9/5/2006	42500	50300 E
7.MP-15S	8/21/2006	152000	29600 E
7.MP-16D	10/24/2023	0.51 J	1.6 J
7.MP-16D	10/18/2022	0.61 J	6.6 U

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-16D	11/1/2021	3.2 U	8.2 U
7.MP-16D	10/21/2020	0.35 J	6.6 U
7.MP-16D	10/9/2019	0.45 J	32
7.MP-16D	10/24/2018	0.99 J	6.6 U
7.MP-16D	10/12/2017	0.67 J	11
7.MP-16D	10/31/2016	0.64 J	3.9 U
7.MP-16D	4/7/2016	2.6 U	4.1 U
7.MP-16D	7/20/2015	5.1	4.80 U
7.MP-16D	11/20/2014	2.6 U	3.8 U
7.MP-16D	4/22/2014	2.6 U	4.5 U
7.MP-16D	8/20/2013	1.3 J	4.4 U
7.MP-16D	11/12/2012	3.2 U	4 UV
7.MP-16D	3/7/2012	0.64 U	30
7.MP-16D	5/6/2011	2.6 U	3.7 U
7.MP-16D	8/13/2010	2.6 U	4.1 U
7.MP-16D	1/28/2010	33.5	3.3 U
7.MP-16D	7/27/2009	2.6 U	3.9 U
7.MP-16D	1/26/2009	2.6 U	3.6 U
7.MP-16D	7/14/2008	5.1 U	3.8 U
7.MP-16D	1/30/2008	879	3.7 U
7.MP-16D	8/14/2007	5.8 U	4.1 U
7.MP-16D	1/24/2007	18	16.2
7.MP-16D	8/21/2006	8.9	6.3
7.MP-16S	10/24/2023	0.51 J	6.2 J
7.MP-16S	10/18/2022	3.2 U	6.6 U
7.MP-16S	11/1/2021	3.2 U	6.6 U
7.MP-16S	10/21/2020	3.2 U	1.4 BJ
7.MP-16S	10/9/2019	0.5 J	33
7.MP-16S	10/24/2018	1 J	6.6 U
7.MP-16S	10/12/2017	3.2 U	31
7.MP-16S	10/31/2016	2.6 U	7.92
7.MP-16S	4/7/2016	2.6 U	3.8 U
7.MP-16S	7/20/2015	1.8 J	3.70 U
7.MP-16S	11/20/2014	2.6 U	3.9 U
7.MP-16S	4/22/2014	2.6 U	4.2 U
7.MP-16S	8/12/2013	13 U	3.9 U
7.MP-16S	11/12/2012	64 U	4 UV
7.MP-16S	3/7/2012	6.4 U	20
7.MP-16S DUP	3/7/2012	6.4 U	30
7.MP-16S	5/6/2011	2.6 U	3.9 U
7.MP-16S	8/13/2010	64 U	4.1 U

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-16S	1/28/2010	40.3	3.3 U
7.MP-16S	7/27/2009	3.5	4.6
7.MP-16S	1/26/2009	2.3 J	3.3 U
7.MP-16S	7/14/2008	5.1 U	3.8 U
7.MP-16S	1/30/2008	5.8	3.7 U
7.MP-16S	7/31/2007	46.3	5
7.MP-16S	1/29/2007	4.8 J	4.4
7.MP-16S	8/21/2006	11	15.3
7.MP-17D	10/25/2023	0.47 J	6.6 U
7.MP-17D	10/18/2022	0.38 J	3.3 U
7.MP-17D	11/1/2021	3.2 U	6.6 U
7.MP-17D	10/21/2020	3.2 U	6.6 U
7.MP-17D	10/8/2019	0.35 U	22
7.MP-17D	10/23/2018	1.7 J	6.6 U
7.MP-17D	10/10/2017	1.7 J	6.6 U
7.MP-17D	10/26/2016	2.6 U	3.7 U
7.MP-17D	4/7/2016	2.6 U	3.7 U
7.MP-17D	7/24/2015	2.6 U	4.30 U
7.MP-17D	12/1/2014	2.6 U	4.2 U
7.MP-17D	4/16/2014	2.6 U	3.3 U
7.MP-17D	8/12/2013	2.6 U	3.7 U
7.MP-17D	11/12/2012	6.4 U	3 U
7.MP-17D	3/6/2012	1.7 J	3 J
7.MP-17D	5/9/2011	2.6 U	4.1 U
7.MP-17D	8/13/2010	2.6 U	4.3 U
7.MP-17D	2/4/2010	2.6 U	3.3 U
7.MP-17D	8/5/2009	3800	579
7.MP-17D	2/4/2009	5.1	12.4
7.MP-17D	7/15/2008	24800	2340 E
7.MP-17D	1/29/2008	2.8 J	11.6
7.MP-17D	8/3/2007	17400	2320 E
7.MP-17D	2/1/2007	180 U	5.3
7.MP-17D	8/21/2006	818000	3740 E
7.MP-17S	10/25/2023	0.39 J	2.6 J
7.MP-17S	10/18/2022	0.38 J	3.3 U
7.MP-17S	11/1/2021	3.2 U	6.6 U
7.MP-17S	10/21/2020	0.45 J	6.6 U
7.MP-17S	10/8/2019	0.35 J	3 U
7.MP-17S	10/23/2018	1.5 J	6.6 U
7.MP-17S	10/10/2017	1.1 J	6.6 U
7.MP-17S	10/26/2016	2.6 U	3.7 U

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-17S	4/7/2016	2.6 U	3.7 U
7.MP-17S	7/24/2015	2.6 U	4.40 U
7.MP-17S	12/1/2014	1.7 J	4.1 U
7.MP-17S	4/16/2014	1.4 J	3.8 U
7.MP-17S	8/12/2013	2.6 U	3.7 U
7.MP-17S	11/12/2012	1.9 J	4 U
7.MP-17S	3/6/2012	1.7 J	4 J
7.MP-17S	5/9/2011	2.6 U	4.2 U
7.MP-17S	8/13/2010	2.6 U	3.9 U
7.MP-17S	2/4/2010	2.6 U	3.3 U
7.MP-17S	8/5/2009	11	7.98
7.MP-17S	2/4/2009	2.6 U	26.6
7.MP-17S	7/15/2008	5.1 U	4.1 U
7.MP-17S	1/29/2008	5.1 U	253
7.MP-17S	8/3/2007	4.2 J	25.3
7.MP-17S	2/1/2007	190 U	72.6
7.MP-17S	8/21/2006	2.3 J	5.1
7.MP-1D	10/16/2023	0.65 J	1.8 J
7.MP-1D	10/17/2022	0.98 J	1.5 J
7.MP-1D DUP	10/17/2022	3.2 U	1.4 J
7.MP-1D	10/28/2021	0.39 J	6.6 U
7.MP-1D	10/14/2020	3.2 U	2.8 J
7.MP-1D	10/10/2019	0.6 J	5 J
7.MP-1D	10/23/2018	1.1 J	12
7.MP-1D	10/12/2017	3.2 U	6.6 U
7.MP-1D	10/28/2016	2.6 U	6.87
7.MP-1D	4/6/2016	1.2 J	3.8 U
7.MP-1D	7/21/2015	1.2 J	4.30 U
7.MP-1D	11/19/2014	2.6 U	3.7 U
7.MP-1D	4/21/2014	1.3 J	6.74
7.MP-1D	8/9/2013	2.6 U	4.2 U
7.MP-1D	11/12/2012	0.68 J	4 UV
7.MP-1D	3/8/2012	11	4 J
7.MP-1D	5/12/2011	399	3.9 U
7.MP-1D	8/24/2010	3.8	3.7 U
7.MP-1D	1/28/2010	1.7 J	3.7 U
7.MP-1D	8/3/2009	2510000 E	146000 E
7.MP-1D	1/27/2009	1140000	179000 E
7.MP-1D	7/15/2008	1710000 E	94900 E
7.MP-1D	1/30/2008	1490000 E	154000 E
7.MP-1D	7/30/2007	2100000 E	158000 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-1D	1/23/2007	923000 E	118000 E
7.MP-1D	12/1/2006	16900	--
7.MP-1D	11/30/2006	1720	--
7.MP-1D	11/29/2006	510000	--
7.MP-1D	11/16/2006	629000	988 E
7.MP-1D	11/15/2006	1590000	174000 E
7.MP-1D	8/14/2006	4980000	179000 E
7.MP-1D	7/14/2006	3390000	179000 E
7.MP-1S	10/16/2023	0.65 J	1.8 J
7.MP-1S	10/17/2022	0.62 J	2.1 J
7.MP-1S	10/28/2021	3.2 U	1.5 J
7.MP-1S	10/14/2020	0.41 J	2.1 J
7.MP-1S	10/10/2019	0.35 U	28
7.MP-1S	10/23/2018	1.3 J	3 J
7.MP-1S	10/12/2017	3.2 U	13 U
7.MP-1S	10/28/2016	2.6 U	3.9 U
7.MP-1S	4/6/2016	2.3 J	3.8 U
7.MP-1S	7/21/2015	2.6 U	4.20 U
7.MP-1S	11/19/2014	2.6 U	3.8 U
7.MP-1S	4/21/2014	2.6 U	3.9 U
7.MP-1S	8/9/2013	2.6 U	4.1 U
7.MP-1S	11/12/2012	0.64 U	4 UV
7.MP-1S	3/8/2012	0.64 U	4 J
7.MP-1S	5/12/2011	70.6	5.8
7.MP-1S	8/24/2010	2.6 U	3.6 U
7.MP-1S	1/28/2010	6.1	3.3 U
7.MP-1S	8/3/2009	885000 E	135000 E
7.MP-1S	1/27/2009	367000	158000 E
7.MP-1S	7/15/2008	1160000 E	133000 E
7.MP-1S	1/30/2008	211000	124000 E
7.MP-1S	7/30/2007	134000	108000 E
7.MP-1S	6/21/2007	480 U	9.8 U
7.MP-1S	6/18/2007	94200	37000 E
7.MP-1S	6/14/2007	29000	4860 E
7.MP-1S	6/11/2007	168000	17800 E
7.MP-1S	1/23/2007	249000	139000 E
7.MP-1S	12/1/2006	2350	--
7.MP-1S	11/30/2006	883	--
7.MP-1S	11/29/2006	241000	--
7.MP-1S	11/16/2006	700000	47100 E
7.MP-1S	11/15/2006	329000	195000 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-1S	8/14/2006	479000	151000 E
7.MP-1S	7/14/2006	225000	166000 E
7.MP-27	10/23/2023	32 U	6.6 U
7.MP-27	10/20/2022	3.2 U	1.2 J
7.MP-27	10/29/2021	0.38 J	0.74 J
7.MP-27 DUP	10/29/2021	3.2 U	1.7 J
7.MP-27	10/19/2020	0.47 J	140
7.MP-27	10/10/2019	0.6 J	3 U
7.MP-27	10/24/2018	1.2 J	1000
7.MP-27	10/10/2017	0.81 J	30
7.MP-27	11/8/2016	2.6 U	3.7 U
7.MP-27	4/13/2016	2.6 U	3.7 U
7.MP-27	7/22/2015	12	4.40 U
7.MP-27	11/18/2014	2.6 U	3.8 U
7.MP-27	5/5/2014	4.8	4.3 U
7.MP-27	8/14/2013	2.6 U	3.9 U
7.MP-27	11/16/2012	1.3 U	3 UV
7.MP-27 DUP	11/16/2012	0.93 J	3 UV
7.MP-27	3/1/2012	0.64 U	4 J
7.MP-27	5/6/2011	2.6 U	3.7 U
7.MP-27	8/12/2010	2.6 U	4.1 U
7.MP-27	1/26/2010	2.6 U	62.8
7.MP-27	7/28/2009	2.6 U	4.2 U
7.MP-27	2/4/2009	2.6 U	32.2
7.MP-27	7/17/2008	3.1 J	4.1 U
7.MP-27	2/5/2008	5.1 U	3.7 U
7.MP-27	8/7/2007	6.1 U	3.9 U
7.MP-27	1/30/2007	7.7	369
7.MP-27	9/8/2006	1.6 U	4.1 U
7.MP-27AMB	11/8/2016	2.6	3.8 U
7.MP-28	10/26/2023	2.5 J	130000
7.MP-28	10/20/2022	3.2 U	33 U
7.MP-28 DUP	10/20/2022	3.2 U	6.6 U
7.MP-28	10/29/2021	1.4 J	26000
7.MP-28	10/19/2020	1.8 J	20000
7.MP-28	10/11/2019	2.4 J	39000 J
7.MP-28	10/24/2018	2.9 J	19000
7.MP-28	10/10/2017	1.7 J	19000
7.MP-28	11/7/2016	2.6 U	514
7.MP-28	4/13/2016	1.1 J	8700 E
7.MP-28	7/22/2015	3.2	6030 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-28	12/1/2014	2.6 U	4.3 U
7.MP-28	5/12/2014	2.6	9100 E
7.MP-28	4/17/2014	1.2 J	10500 E
7.MP-28	8/14/2013	2.6 U	3.9 U
7.MP-28	11/15/2012	6.4 U	3 U
7.MP-28	3/1/2012	0.8 J	10
7.MP-28	5/5/2011	2.6 U	3.6 U
7.MP-28	8/11/2010	2.6 U	4.3 U
7.MP-28	1/26/2010	2.6 U	7.13
7.MP-28	7/28/2009	2.6 U	4.1 U
7.MP-28	2/4/2009	2.6 U	16.9
7.MP-28	7/17/2008	5.1 U	4.1 U
7.MP-28	2/5/2008	5.1 U	3.6 U
7.MP-28	8/7/2007	6.4 U	4.2 U
7.MP-28	1/30/2007	134	3.8 U
7.MP-28	9/12/2006	7.3 U	3.8 U
7.MP-2AMB	10/31/2016	6.4	5.2 U
7.MP-2-AMB	8/17/2006	8.3	3.7 U
7.MP-2D	10/18/2023	64 U	6.6 U
7.MP-2D	10/18/2022	0.67 J	3.3 U
7.MP-2D	11/1/2021	0.49 J	1.8 J
7.MP-2D	10/21/2020	1.2 J	12 B
7.MP-2D	10/8/2019	0.88 J	210
7.MP-2D	10/24/2018	1.8 J	6.6 U
7.MP-2D	10/12/2017	1 J	6.6 U
7.MP-2D	11/2/2016	3.8	3.9 U
7.MP-2D	4/7/2016	2.6 U	4.4 U
7.MP-2D	7/20/2015	2.4 J	4.80 U
7.MP-2D	11/20/2014	2.6 U	3.6 U
7.MP-2D	5/1/2014	2.1 J	4.4 U
7.MP-2D DUP	5/1/2014	2.6 U	4.3 U
7.MP-2D	8/12/2013	3.1	4.3 U
7.MP-2D	11/12/2012	7.3 J	40
7.MP-2D	3/5/2012	900	560
7.MP-2D	5/12/2011	19700	2830 E
7.MP-2D	8/25/2010	6330	652
7.MP-2D	8/13/2010	3550	766
7.MP-2D DUP	8/13/2010	30700	694
7.MP-2D	1/29/2010	259000	2660 E
7.MP-2D	7/27/2009	1120000 E	27300 E
7.MP-2D	1/26/2009	706000 E	37200 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-2D	7/14/2008	1060000 E	31300 E
7.MP-2D	2/15/2008	291000	20800 E
7.MP-2D	7/31/2007	101000	6540 E
7.MP-2D	6/21/2007	29000	2130 E
7.MP-2D	6/18/2007	85000	4460 E
7.MP-2D	5/29/2007	21300	5240 E
7.MP-2D	5/18/2007	176000	20100 E
7.MP-2D	1/24/2007	143000	5140 E
7.MP-2D	8/14/2006	690000	23400 E
7.MP-2D	7/14/2006	326000	24000 E
7.MP-2S DUP	10/18/2023	130 U	1.2 J
7.MP-2S	10/18/2023	64 U	1.2 J
7.MP-2S	10/18/2022	0.52 J	1.8 J
7.MP-2S	11/5/2021	1.6 J	2.6 J
7.MP-2S	10/21/2020	0.72 J	3 BJ
7.MP-2S	10/8/2019	0.92 J	68
7.MP-2S	10/24/2018	1.7 J	3 J
7.MP-2S	10/12/2017	1 J	7.3
7.MP-2S	11/2/2016	3.2	5.1 U
7.MP-2S	4/7/2016	2.6 U	3.8 U
7.MP-2S	7/20/2015	2.6 U	4.30 U
7.MP-2S	11/20/2014	2.6 U	3.9 U
7.MP-2S	4/21/2014	4.8	3.9 U
7.MP-2S	8/12/2013	2.7	4.4 U
7.MP-2S	11/12/2012	0.64 U	3 UV
7.MP-2S	3/5/2012	0.64 U	10
7.MP-2S	5/12/2011	2.6 U	3.9 U
7.MP-2S	8/25/2010	5.1	3.7 U
7.MP-2S DUP	8/25/2010	2.6 U	3.9 U
7.MP-2S	8/13/2010	2.6 U	3.9 U
7.MP-2S	7/27/2009	2.6 U	4.2 U
7.MP-2S DUP	7/27/2009	2.6 U	4.3 U
7.MP-2S	1/26/2009	2.6 U	3.3 U
7.MP-2S	7/14/2008	5.1 U	43.1
7.MP-2S	1/30/2008	5.1 U	3.3 U
7.MP-2S	7/31/2007	6.4 U	7.46
7.MP-2S	6/21/2007	480 U	33.5
7.MP-2S	6/18/2007	1800	65
7.MP-2S	6/11/2007	236	17.7
7.MP-2S	6/1/2007	37.4	328
7.MP-2S	5/29/2007	66.1	3790 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-2S	5/18/2007	13	3.9 U
7.MP-2S	1/24/2007	180 U	111
7.MP-2S	8/17/2006	5.4 J	4.1 U
7.MP-2S DUP	8/17/2006	6.1 U	3.9 U
7.MP-2S	7/14/2006	3.8 J	414
7.MP-30	10/20/2023	6.4 U	6.6 U
7.MP-30	10/20/2022	0.44 J	6.6 U
7.MP-30	10/29/2021	3.2 U	3.3 U
7.MP-30	10/20/2020	3.2 U	1.9 J
7.MP-30	10/11/2019	0.35 U	1 U
7.MP-30	10/24/2018	1.2 J	6.6 J
7.MP-30	10/11/2017	3.2 U	3 J
7.MP-30	11/7/2016	2.6 U	3.7 U
7.MP-30	4/13/2016	1.6 J	3.7 U
7.MP-30	7/22/2015	1.6 J	4.50 U
7.MP-30	11/18/2014	2.6 U	3.9 U
7.MP-30	4/25/2014	2.6 U	3.8 U
7.MP-30	8/19/2013	13 U	59.9
7.MP-30	11/14/2012	6.4 U	3 U
7.MP-30	3/6/2012	2.5 J	3 J
7.MP-30	5/6/2011	2.6 U	3.7 U
7.MP-30 DUP	5/6/2011	2.6 U	3.7 U
7.MP-30	8/12/2010	2.6 U	3.9 U
7.MP-30	1/27/2010	2.6 U	3.9 U
7.MP-30	10/29/2009	2.6 U	3.8 U
7.MP-30 DUP	10/29/2009	2.6 U	3.8 U
7.MP-30	8/4/2009	2.6 U	4.3 U
7.MP-30 DUP	8/4/2009	690	4.3 U
7.MP-30	3/6/2009	2.6 U	538
7.MP-30	2/10/2009	2.6 U	1040 E
7.MP-30 DUP	2/10/2009	2.6 U	1420 E
7.MP-30	8/6/2008	5.1 U	60.1
7.MP-30 DUP	8/6/2008	5.1 U	137
7.MP-30	2/4/2008	16	3.3 U
7.MP-30	8/6/2007	6.1 U	3.9 U
7.MP-30 DUP	8/6/2007	6.4 U	4.1 U
7.MP-30	1/29/2007	5.1 U	3.7 U
7.MP-30	9/8/2006	1.5 J	4.1 U
7.MP-30-AMB	10/29/2009	0.99	4.1 U
7.MP-31	10/20/2023	130 U	12
7.MP-31	10/21/2022	0.48 J	9.1

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-31	10/29/2021	3.2 U	7.7
7.MP-31	10/20/2020	0.43 J	30
7.MP-31	10/17/2019	0.35 U	24
7.MP-31	10/30/2018	0.75 JV	8.1 JV
7.MP-31	10/11/2017	3.4	13
7.MP-31	11/7/2016	2.8	3.7 U
7.MP-31	4/13/2016	2.6 U	16.4
7.MP-31	7/22/2015	1.7 J	17.5
7.MP-31	11/18/2014	2.6 U	4.1
7.MP-31	4/17/2014	2.6 U	8.44
7.MP-31	8/19/2013	NM	NM
7.MP-31	11/14/2012	1.3 U	2100
7.MP-31	3/6/2012	0.64 U	50
7.MP-31	5/9/2011	2.6 U	174
7.MP-31	8/12/2010	2.6 U	41.1
7.MP-31	1/27/2010	2.6 U	5.6
7.MP-31	8/3/2009	20	52.3
7.MP-31	1/26/2009	2.6 U	11.5
7.MP-31	7/14/2008	5.1 U	6.4
7.MP-31	2/4/2008	5.1 U	19.5
7.MP-31	8/6/2007	6.1 U	31.2
7.MP-31	1/29/2007	14	7.59
7.MP-31	9/8/2006	3.2 U	32.2
7.MP-31 AMB	9/8/2006	1.3	4.1 U
7.MP-31 DUP	10/30/2018	0.84 J	24 JV
7.MP-31 DUP	10/11/2017	1.2 J	16
7.MP-33	10/27/2023	3.2 U	6.6 U
7.MP-33	10/20/2022	3.2 U	6.6 U
7.MP-33	10/29/2021	3.2 U	3.3 U
7.MP-33	10/20/2020	0.42	3.2 J
7.MP-33	10/17/2019	0.62 J	3 U
7.MP-33	10/25/2018	1.3 J	6.6 U
7.MP-33	10/11/2017	0.95 J	100
7.MP-33	11/10/2016	2.6 U	3.9 U
7.MP-33	4/14/2016	0.77 J	3.8 U
7.MP-33	7/23/2015	3.1	4.40 U
7.MP-33	12/2/2014	2.6 U	3.8 U
7.MP-33	4/25/2014	12	4.1 U
7.MP-33	8/20/2013	2.2 J	4.4 U
7.MP-33	11/19/2012	1.3 U	4 UV
7.MP-33	3/12/2012	0.64 U	4 J

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-33	5/13/2011	0.51 J	3.9 U
7.MP-33	8/24/2010	2.6 U	3.8 U
7.MP-33	2/4/2010	2.6 U	21
7.MP-33	8/11/2009	1.4 J	4.1 U
7.MP-33	2/10/2009	2.6 U	13.5
7.MP-33	7/21/2008	5.1 U	62.8
7.MP-33	2/5/2008	5.1 U	3.7 U
7.MP-33	8/6/2007	6.1	3.9 U
7.MP-33	3/1/2007	5.1 U	12.3
7.MP-33 DUP	3/1/2007	5.1 U	9.82
7.MP-33	2/1/2007	1600	8.64
7.MP-33	9/11/2006	1.5 U	3.9 U
7.MP-33 DUP	9/11/2006	0.8 J	4.1 U
7.MP-33-AMB	10/27/2023	1.6 J	2.6 J
7.MP-33-AMB	10/20/2022	0.67 J	1.4 J
7.MP-33-AMB	10/29/2021	0.58 J	1.2 J
7.MP-33 AMB	10/20/2020	0.83 J	3.1 J
7.MP-33-AMB	10/25/2018	1.2 J	7.6
7.MP-33-AMB	10/11/2017	0.9 J	5 J
7.MP-33AMB	11/10/2016	4.5	3.7 U
7.MP-33 AMB	4/14/2016	0.86	7.79
7.MP-33 AMB	7/23/2015	1.3	4.10 U
7.MP-33-AMB	12/2/2014	1.2	4.1 U
7.MP-33-AMB	4/25/2014	3.5	4.8 U
7.MP-33-AMB	8/20/2013	1.2	4.8 U
7.MP-33-AMB	11/19/2012	0.89 J	7 UV
7.MP-33-AMB	3/12/2012	70 J	7
7.MP-33-AMB	5/13/2011	1.1	4.5 U
7.MP-33-AMB	8/26/2010	1.9 J	3.7 U
7.MP-33-AMB	2/4/2010	1.3	15.4
7.MP-33-AMB	8/11/2009	2.1	4.2 U
7.MP-33-AMB	2/10/2009	4.5	26.7
7.MP-33-AMB	7/21/2008	0.89	85.7
7.MP-33-AMB	2/5/2008	5.1 U	4.1 U
7.MP-33-AMB	8/7/2007	11	7.2 U
7.MP-3D	10/23/2023	9.9 J	3.8 J
7.MP-3D	11/1/2022	20 J	4.5 J
7.MP-3D	10/28/2021	630	240
7.MP-3D	10/19/2020	330	520
7.MP-3D	10/10/2019	12 J	77 J
7.MP-3D	10/23/2018	39 J	250

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-3D	10/10/2017	13 U	290
7.MP-3D	10/25/2016	2.7	19
7.MP-3D	4/11/2016	18	3.8 U
7.MP-3D	7/22/2015	1.2 J	6.5
7.MP-3D	11/21/2014	7.3	4.6
7.MP-3D	5/9/2014	2.6 U	3.8 U
7.MP-3D	8/15/2013	2.7	5.9
7.MP-3D	11/13/2012	5.8	40
7.MP-3D	3/8/2012	2.8 J	110
7.MP-3D	5/9/2011	2.6 U	3.7 U
7.MP-3D	8/16/2010	9070	759
7.MP-3D	2/5/2010	2.6 U	3.3 U
7.MP-3D	7/30/2009	12	86.4
7.MP-3D	2/9/2009	3.5	8.38
7.MP-3D	7/15/2008	7760	1520 E
7.MP-3D	1/29/2008	2690	620
7.MP-3D	8/3/2007	10100	1980 E
7.MP-3D	1/29/2007	180 U	147
7.MP-3D	8/24/2006	46300	5320 E
7.MP-3D	7/12/2006	12800	1090 E
7.MP-3S	10/23/2023	0.48 J	6.6 U
7.MP-3S	11/1/2022	32 U	6.6 U
7.MP-3S	10/28/2021	3.2 U	6.6 U
7.MP-3S	10/19/2020	3.2 U	120
7.MP-3S	10/10/2019	0.62 J	3 U
7.MP-3S	10/23/2018	0.94 J	4 J
7.MP-3S	10/10/2017	7.2	6.6 U
7.MP-3S	10/25/2016	1.6 J	3.9 U
7.MP-3S	4/11/2016	2.6 U	3.8 U
7.MP-3S	7/22/2015	2.2 J	4.40 U
7.MP-3S	11/21/2014	2.6 U	3.3 U
7.MP-3S	5/9/2014	2.6 U	4.1 U
7.MP-3S	8/15/2013	1.3 J	3.8 U
7.MP-3S	11/13/2012	1.3 J	10
7.MP-3S	3/8/2012	2.1 J	79
7.MP-3S	5/9/2011	2.6 U	3.9 U
7.MP-3S	8/16/2010	2.6 U	3.9 U
7.MP-3S	2/5/2010	2.6 U	3.3 U
7.MP-3S	7/30/2009	2.6 U	3.9 U
7.MP-3S	2/9/2009	2.6 U	3.7 U
7.MP-3S	7/15/2008	5.1 U	3.9 U

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-3S	1/29/2008	5.1 U	43.2
7.MP-3S	8/3/2007	5.1 U	53.3
7.MP-3S	1/29/2007	160 U	3.5
7.MP-3S	8/16/2006	2.9 J	4.6
7.MP-3S	7/12/2006	5.1 U	4.1 U
7.MP-4-AMB	8/16/2006	226	3.8 U
7.MP-4D	10/31/2023	13 U	89
7.MP-4D	10/18/2022	0.99 J	380
7.MP-4D	10/28/2021	0.66 J	110
7.MP-4D	10/15/2020	6.4 U	190
7.MP-4D	10/16/2019	0.68 J	94
7.MP-4D	10/23/2018	32 U	2200
7.MP-4D	10/10/2017	13 U	4900
7.MP-4D	10/25/2016	8.3 JV	5750 E
7.MP-4D	4/7/2016	13 U	2870 E
7.MP-4D	7/21/2015	35 U	5440 E
7.MP-4D	11/21/2014	13 U	4100 E
7.MP-4D	4/28/2014	29 U	6490 E
7.MP-4D	8/12/2013	14 NJV	3670 JV
7.MP-4D	11/13/2012	64 U	1700
7.MP-4D	3/12/2012	64 U	460
7.MP-4D	5/9/2011	290 U	20900 E
7.MP-4D	8/23/2010	1500 U	49800 E
7.MP-4D DUP	8/23/2010	610 U	47300 E
7.MP-4D	2/5/2010	140 U	48800 E
7.MP-4D	7/30/2009	61 U	64600 E
7.MP-4D	2/10/2009	73 U	31500 E
7.MP-4D	7/15/2008	770 U	68100 E
7.MP-4D	1/29/2008	70 U	55400 E
7.MP-4D	8/2/2007	160 U	41800 E
7.MP-4D	1/31/2007	130 U	63500 E
7.MP-4D	8/16/2006	310 U	101000 E
7.MP-4D	7/12/2006	6400 U	137000 E
7.MP-4D-AMB	7/12/2006	4.5 J	4.4
7.MP-4S	10/18/2023	130 U	9.8 U
7.MP-4S	10/18/2022	3.2 U	6.6 U
7.MP-4S	10/28/2021	3.2 U	2.4 J
7.MP-4S	10/15/2020	3.2 U	5.3 J
7.MP-4S DUP	10/15/2020	3.2 U	3.6 J
7.MP-4S	10/16/2019	0.36 J	3 J

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-4S	10/23/2018	0.43 J	6.6 U
7.MP-4S	10/10/2017	0.92 J	26
7.MP-4S	10/25/2016	2.8	3.3 U
7.MP-4S	4/7/2016	2.6 U	3.9 U
7.MP-4S	7/21/2015	2.6 U	4.40 U
7.MP-4S	11/21/2014	2.6 U	5.8
7.MP-4S	4/28/2014	2.6 U	3.8 U
7.MP-4S	8/15/2013	2.6 U	3.8 U
7.MP-4S	11/13/2012	0.64 U	6 UV
7.MP-4S	3/12/2012	0.64 U	3 J
7.MP-4S	5/9/2011	2.6 U	3.9
7.MP-4S	8/23/2010	2.6 U	70
7.MP-4S	2/5/2010	2.6 U	3.3 U
7.MP-4S	8/6/2009	1.4 J	4.1 U
7.MP-4S	2/10/2009	2.6 U	283
7.MP-4S	7/15/2008	5.1 U	4.1 U
7.MP-4S DUP	7/15/2008	6.1	12.2
7.MP-4S	2/8/2008	5.1 U	7.53
7.MP-4S	8/2/2007	6.7 U	192
7.MP-4S	1/31/2007	5.1 U	5.8
7.MP-4S	8/16/2006	6.4 U	6.87
7.MP-4S DUP	8/16/2006	37.1	44.3
7.MP-4S	7/12/2006	320 U	27400 E
7.MP-5D	10/18/2023	130 U	6.6 U
7.MP-5D	10/18/2022	0.46 J	3.3 U
7.MP-5D	10/28/2021	3.2 U	1.6 J
7.MP-5D DUP	10/28/2021	3.2 U	6.6 U
7.MP-5D	10/20/2020	0.44 J	1.8 J
7.MP-5D	10/8/2019	0.37 J	57
7.MP-5D	10/23/2018	3.2 J	6.6 U
7.MP-5D	10/10/2017	0.95 J	6.6 U
7.MP-5D	10/28/2016	1.4 J	4.1 U
7.MP-5D	4/7/2016	1.3 J	4.1 U
7.MP-5D	7/20/2015	1.2 J	4.50 U
7.MP-5D	11/20/2014	2.6 U	4.2 U
7.MP-5D	4/28/2014	1.4 J	3.9 U
7.MP-5D	8/12/2013	2.6 U	3.9 U
7.MP-5D	11/13/2012	0.64 U	3 U
7.MP-5D	3/12/2012	0.64 U	3 J
7.MP-5D	5/9/2011	2.6 U	3.9 U
7.MP-5D	8/23/2010	3.8	3.7 U

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-5D	2/4/2010	1.3 J	3.3 U
7.MP-5D	8/5/2009	390000	74600 E
7.MP-5D	2/4/2009	128000	51100 E
7.MP-5D	7/15/2008	190000	183000 E
7.MP-5D	1/29/2008	270000	42100 E
7.MP-5D DUP	1/29/2008	101000	16700 E
7.MP-5D	8/3/2007	441000 E	49700 E
7.MP-5D	7/24/2007	236000	NA
7.MP-5D	6/14/2007	241000	33900 E
7.MP-5D	6/11/2007	311000	53200 E
7.MP-5D	6/8/2007	403000	42400 E
7.MP-5D	6/5/2007	332000	39300 E
7.MP-5D	5/29/2007	371000 E	44000 E
7.MP-5D	5/24/2007	233000	37000 E
7.MP-5D	5/18/2007	351000 E	37200 E
7.MP-5D	1/29/2007	180000	38900 E
7.MP-5D	8/17/2006	332000	37700 E
7.MP-5D	7/19/2006	287000	42900 E
7.MP-5D-AMB	1/29/2008	5.1 U	8.64
7.MP-5S	10/18/2023	130 U	6.6 U
7.MP-5S	10/18/2022	3.2 U	3.3 U
7.MP-5S	10/28/2021	3.2 U	1.8 J
7.MP-5S	10/20/2020	3.2 U	1.3 J
7.MP-5S	10/8/2019	0.59 J	3 U
7.MP-5S	10/23/2018	1.2 J	6.6 U
7.MP-5S	10/10/2017	1.3 J	3 J
7.MP-5S	10/28/2016	3	3.9 UJV
7.MP-5S	4/7/2016	2.6 U	3.9 U
7.MP-5S	7/20/2015	2.6 U	4.40 U
7.MP-5S	11/20/2014	2.6 U	3.7 U
7.MP-5S	4/28/2014	2.6 U	4.1 U
7.MP-5S	8/12/2013	1.4 J	3.8 U
7.MP-5S	11/13/2012	0.64 U	3 UV
7.MP-5S	3/12/2012	0.64 U	5 J
7.MP-5S	5/9/2011	2.6 U	3.8 U
7.MP-5S	8/23/2010	2.6 U	13.7
7.MP-5S	2/4/2010	2.6 U	3.3 U
7.MP-5S	8/5/2009	19700	18400 E
7.MP-5S	2/4/2009	2.6 U	3.7 U
7.MP-5S DUP	2/4/2009	2.6 U	5.7
7.MP-5S	7/15/2008	5.1 U	4.1 U

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-5S	2/7/2008	5.1 U	3.9 U
7.MP-5S	8/3/2007	5.1 U	35.5
7.MP-5S	6/14/2007	480 U	14.9
7.MP-5S	6/11/2007	17	48.2
7.MP-5S	6/8/2007	193	883
7.MP-5S	6/5/2007	1510	13500 E
7.MP-5S	5/29/2007	85.6	33.8
7.MP-5S	5/24/2007	1200	3.3 U
7.MP-5S	5/18/2007	153	63.7
7.MP-5S	1/29/2007	540	119
7.MP-5S DUP	1/29/2007	180 U	4.3
7.MP-5S	8/17/2006	6.1 U	3.9 U
7.MP-5S	7/19/2006	11	7.39
7.MP-5S-AMB	8/3/2007	2	4.4 U
7.MP-5S-AMB	1/29/2007	160 U	4.9
7.MP-5S-AMB	8/17/2006	6.4 U	4.1 U
7.MP-6_AMB	10/17/2019	1.1 J	23
7.MP-64	10/25/2023	1.4 J	4.3 J
7.MP-64	10/27/2022	3.2 U	6.6 U
7.MP-64	11/1/2021	1.7 J	1.4 J
7.MP-64	10/22/2020	0.9 J	9 J
7.MP-64	10/14/2019	14 U	640
7.MP-64	10/22/2018	130 U	2900
7.MP-64	10/10/2017	130 U	7400
7.MP-64	11/8/2016	77 U	3.9 U
7.MP-64	4/18/2016	32.9 JV	5070 E
7.MP-64	7/28/2015	70.3 JV	12000 E
7.MP-64	12/2/2014	61 UJV	12400 JV
7.MP-64	5/6/2014	130 UJV	10900 E
7.MP-64	8/20/2013	320 U	17300 JV
7.MP-64	11/9/2012	64 U	44000
7.MP-64	3/9/2012	64 U	14000
7.MP-68	10/24/2023	1.4 J	4.3 J
7.MP-68	10/25/2022	3.2 U	6.6 U
7.MP-68	11/1/2021	0.48 J	6.6 U
7.MP-68	10/27/2020	0.46 J	1.2 J
7.MP-68	10/16/2019	30000	9500
7.MP-68	10/29/2018	1.6 J	6.6 U
7.MP-68	10/10/2017	35	13
7.MP-68	11/7/2016	6260	10100 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-68	4/13/2016	4920	20700 E
7.MP-68	8/3/2015	315000 JV	73900 E
7.MP-68	8/19/2013	6100 U	435 JV
7.MP-68	11/15/2012	1400 J	130
7.MP-68	3/16/2012	640 U	130
7.MP-6-AMB	10/18/2023	1.9 J	1.6 J
7.MP-6-AMB	10/18/2022	1.1 J	1.9 J
7.MP-6-AMB	10/28/2021	0.86 J	2.9 J
7.MP-6-AMB	11/1/2018	5.2	6.6 U
7.MP-6-AMB	10/16/2017	2 J	6.6 U
7.MP-6D	10/18/2023	130 U	8.2 U
7.MP-6D	10/18/2022	0.48 J	6.6 U
7.MP-6D	10/28/2021	3.2 U	1.3 J
7.MP-6D	10/22/2020	0.57 J	3.3 J
7.MP-6D	10/17/2019	0.49 J	4 J
7.MP-6D	11/1/2018	4.8	6.6 U
7.MP-6D	10/16/2017	3.2 U	6.6 U
7.MP-6D	10/28/2016	2.6 U	3.9
7.MP-6D	4/8/2016	28	7.46
7.MP-6D	7/28/2015	4.5	4.10 U
7.MP-6D DUP	7/28/2015	6.1	279 JV
7.MP-6D	11/20/2014	2.6 U	3.8 U
7.MP-6D	4/28/2014	2.6 U	3.8 U
7.MP-6D	8/8/2013	2.6 U	4.5
7.MP-6D	11/12/2012	0.64 U	5 UV
7.MP-6D	3/12/2012	0.64 U	3 J
7.MP-6D	5/13/2011	2.6 U	3.9 U
7.MP-6D	8/23/2010	2.6 U	3.9 U
7.MP-6D	2/4/2010	2.6 U	3.3 U
7.MP-6D	8/3/2009	248000	54500 E
7.MP-6D	2/10/2009	47600	58400 E
7.MP-6D	7/15/2008	59700	61000 E
7.MP-6D	1/29/2008	33200	57500 E
7.MP-6D	8/2/2007	86300	35200 E
7.MP-6D	6/21/2007	1500	108
7.MP-6D	6/18/2007	87200	4770 E
7.MP-6D	6/14/2007	17000	4270 E
7.MP-6D	6/11/2007	479000	68700 E
7.MP-6D	6/8/2007	700000	41900 E
7.MP-6D	6/5/2007	518000	62200 E
7.MP-6D	6/1/2007	645000	60100 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-6D	5/29/2007	521000 E	68100 E
7.MP-6D	5/24/2007	668000 E	89700 E
7.MP-6D	5/18/2007	87500	77200 E
7.MP-6D	2/1/2007	25000	103000 E
7.MP-6D	8/16/2006	79500	98800 E
7.MP-6D	7/13/2006	85900	104000 E
7.MP-6S	10/18/2023	32 U	6.6 U
7.MP-6S	10/18/2022	3.2 U	6.6 U
7.MP-6S	10/28/2021	3.2 U	1.3 J
7.MP-6S	10/22/2020	0.38 J	2.4 J
7.MP-6S	10/17/2019	0.54 J	7.9
7.MP-6S	10/17/2019	0.35 U	7
7.MP-6S	11/1/2018	3.3	6.6 U
7.MP-6S	10/16/2017	3.2 U	13 U
7.MP-6S	10/28/2016	2.6 U	3.3 U
7.MP-6S	4/8/2016	2.6 U	4.1 U
7.MP-6S	7/28/2015	2.6 U	3.90 U
7.MP-6S	11/21/2014	2.6 U	4.1 U
7.MP-6S	4/28/2014	2.6 U	3.9 U
7.MP-6S	8/8/2013	2.6 U	3.9 U
7.MP-6S	11/12/2012	0.64 U	3 UV
7.MP-6S	3/12/2012	0.64 U	4 J
7.MP-6S	5/13/2011	2.6 U	6
7.MP-6S DUP	5/13/2011	0.96	3.9 U
7.MP-6S	8/23/2010	2.6 U	3.8 U
7.MP-6S	2/4/2010	2.6 U	3.3 U
7.MP-6S	8/3/2009	1 J	40.2
7.MP-6S	2/10/2009	2.6 U	3.7 U
7.MP-6S	7/15/2008	5.1 U	3.9 U
7.MP-6S	1/29/2008	5.1 U	49.7
7.MP-6S	8/2/2007	5.8 U	293
7.MP-6S	6/21/2007	960	177
7.MP-6S	6/18/2007	480 U	57.8
7.MP-6S	6/14/2007	480 U	9.8 U
7.MP-6S	6/11/2007	11 J	126
7.MP-6S	6/8/2007	14 J	374
7.MP-6S	6/5/2007	282	2260 E
7.MP-6S	6/1/2007	13 J	79.2
7.MP-6S	5/29/2007	572	175
7.MP-6S	5/24/2007	2300	11.8
7.MP-6S	5/18/2007	182	8380 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-6S	2/1/2007	38 U	46400 E
7.MP-6S DUP	2/1/2007	35 U	44200 E
7.MP-6S	8/16/2006	920 J	47800 E
7.MP-6S	7/13/2006	14700	87700 E
7.MP-6S-AMB	2/1/2007	190 U	923 E
7.MP-71-AMB	10/24/2023	1.6 J	1.7 J
7.MP-71-AMB	10/25/2022	2.6 J	1.7 J
7.MP-71-AMB	11/4/2021	1 J	1.7 J
7.MP-71_AMB	10/19/2020	1.1 J	22
7.MP-71_AMB	10/10/2019	0.47 J	3 J
7.MP-71-AMB	11/1/2018	2.6 J	6.6 U
7.MP-71-AMB	10/12/2017	0.75 J	13 U
7.MP-71D	10/24/2023	13 U	1.4 J
7.MP-71D	10/25/2022	3.2 U	2.7 J
7.MP-71D	11/4/2021	3.2 U	2.1 J
7.MP-71D	10/19/2020	0.78 J	3.4 J
7.MP-71D	10/10/2019	0.35 U	3 J
7.MP-71D	11/1/2018	1.4 J	6.6 U
7.MP-71D	10/12/2017	3.2 U	4 J
7.MP-71D	10/25/2016	2.6 U	3.8 U
7.MP-71D	4/11/2016	4.2	5.3
7.MP-71D	7/23/2015	470000 JV	81100 JV
7.MP-71D	11/25/2014	639000	90300 JV
7.MP-71D	4/23/2014	486000	86400 E
7.MP-71D	8/19/2013	1060000	118000 JV
7.MP-71D	11/13/2012	880000 UV	290000
7.MP-71D	4/12/2012	600000	160000
7.MP-71D	3/15/2012	770000	170000
7.MP-71S	10/24/2023	64 U	13 U
7.MP-71S	10/25/2022	3.2 U	1.9 J
7.MP-71S	11/4/2021	3.2 U	1.6 J
7.MP-71S	10/19/2020	1 J	5.6 J
7.MP-71S DUP	10/19/2020	0.75 J	2.2 J
7.MP-71S	10/10/2019	0.44 J	5 J
7.MP-71S	11/1/2018	1.3 J	6.6 U
7.MP-71S	10/12/2017	0.64 U	6.6 U
7.MP-71S	10/25/2016	6.1	3.9 U
7.MP-71S	4/11/2016	2.4 J	3.3 U
7.MP-71S	7/23/2015	879 JV	2770 E
7.MP-71S	11/25/2014	19000	15100 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-71S	4/23/2014	91400	56500 E
7.MP-71S	8/19/2013	438000	87700 JV
7.MP-71S	11/13/2012	330000	260000
7.MP-72AMB	10/31/2016	2.5	3.6 U
7.MP-72D	10/24/2023	32 U	2200
7.MP-72D	10/25/2022	53 BJ	10000
7.MP-72D	11/1/2021	130 U	30000
7.MP-72D	10/14/2020	60 J	14000
7.MP-72D	10/10/2019	1200 J	22000
7.MP-72D	10/29/2018	400 J	18000
7.MP-72D	10/5/2017	8500	25000
7.MP-72D	10/31/2016	19300	48400 E
7.MP-72D	4/12/2016	18900	28000 E
7.MP-72D	7/29/2015	18900	63600 E
7.MP-72D	11/25/2014	20300 JV	60600 E
7.MP-72D	4/23/2014	7000 U	45900 E
7.MP-72D	8/16/2013	7350 NJV	11600 JV
7.MP-72D	11/13/2012	28000 J	38000
7.MP-72D	4/12/2012	21000 J	12000
7.MP-72D DUP	4/12/2012	29000 J	350
7.MP-72D	3/15/2012	5100	16000
7.MP-72S DUP	10/24/2023	0.58 J	6.6 U
7.MP-72S	10/24/2023	0.42 J	2.8 J
7.MP-72S	10/25/2022	3.2 U	6.6 U
7.MP-72S	11/1/2021	3.2 U	6.6 U
7.MP-72S	10/14/2020	0.35 J	15
7.MP-72S	10/10/2019	0.5 J	66
7.MP-72S	10/29/2018	0.52 J	6.6 U
7.MP-72S	10/5/2017	0.66 J	7.2
7.MP-72S	10/31/2016	2.6 U	3.3 U
7.MP-72S	4/12/2016	2.6 U	3.9 U
7.MP-72S	7/23/2015	2.6	4.10 U
7.MP-72S	11/25/2014	35.1	25.3
7.MP-72S	4/23/2014	2.7	7.59
7.MP-72S	8/16/2013	5.4	4.2 U
7.MP-72S	11/13/2012	0.64 U	3UV
7.MP-73D	10/24/2023	0.69 J	3.6 J
7.MP-73D	10/25/2022	13 U	2 J
7.MP-73D	11/4/2021	1.7 J	49
7.MP-73D	10/20/2020	2.2 J	280

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-73D DUP	10/20/2020	2.3 J	230
7.MP-73D	10/14/2019	2.5 J	530
7.MP-73D	10/31/2018	4.7	1600
7.MP-73D	10/19/2017	8.1 J	1700
7.MP-73D	10/26/2016	13 JV	3140 E
7.MP-73D DUP	4/14/2016	14 JV	11200 E
7.MP-73D	4/14/2016	9.6 J	12000 E
7.MP-73D	7/28/2015	18 U	6940 E
7.MP-73D	11/24/2014	2.3 J	79.8
7.MP-73D	4/22/2014	48 UJV	14100 E
7.MP-73D	8/16/2013	120 U	5940 JV
7.MP-73D	11/13/2012	64 U	15000
7.MP-73D	4/12/2012	150 J	12000
7.MP-73D	3/15/2012	640 U	21000
7.MP-73S	10/24/2023	3.2 U	2.3 J
7.MP-73S	10/25/2022	3.2 U	3.6 J
7.MP-73S	11/4/2021	0.37 J	3 J
7.MP-73S	10/20/2020	3.2 U	2.6 J
7.MP-73S	10/14/2019	0.4 J	3 J
7.MP-73S	10/31/2018	1.2 J	6.6 U
7.MP-73S	10/19/2017	0.89 J	15
7.MP-73S	10/26/2016	1.6 J	4.1 U
7.MP-73S	4/14/2016	2.6 U	3.9 U
7.MP-73S	7/28/2015	1.2 J	4.10 U
7.MP-73S	11/24/2014	26 JV	7850 E
7.MP-73S	4/22/2014	2.6 U	340
7.MP-73S	8/16/2013	2.6 U	30.7
7.MP-73S	11/20/2012	130 U	47000
7.MP-7-AMB	3/14/2012	1.9 J	10 J
7.MP-7-AMB	5/12/2011	0.96	4.1 U
7.MP-7-AMB	8/26/2010	2.3 J	4.8 U
7.MP-7-AMB	2/2/2010	5.4	4.2 U
7.MP-7-AMB	8/4/2009	83.1	29.3
7.MP-7-AMB	1/27/2009	3.2	4.1
7.MP-7-AMB	8/6/2008	4.5	92.3
7.MP-7D	10/16/2023	32 U	1.7 J
7.MP-7D	10/17/2022	32 U	3.3 U
7.MP-7D	10/27/2021	0.44 J	6.6 U
7.MP-7D	10/15/2020	0.51 J	16
7.MP-7D	10/10/2019	0.68 J	3 U

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-7D	10/23/2018	1.6 J	6.6 U
7.MP-7D	10/12/2017	3.2 U	6.6 U
7.MP-7D	10/28/2016	2.6 U	3.8 U
7.MP-7D	4/8/2016	2.6 U	4.3 U
7.MP-7D	7/21/2015	2.6 U	4.10 U
7.MP-7D	4/21/2014	2.6 U	3.7 U
7.MP-7D	8/7/2013	2.6 U	4.1 U
7.MP-7D	11/12/2012	0.64 U	3 UV
7.MP-7D	3/14/2012	1.8 J	4 J
7.MP-7D	5/31/2011	154 J	196
7.MP-7D	5/5/2011	140 U	81100 E
7.MP-7D	8/26/2010	3.5	4.3
7.MP-7D	2/2/2010	2.6 U	90.3
7.MP-7D	8/4/2009	40600	67400 E
7.MP-7D	1/27/2009	19900	160000 E
7.MP-7D	7/15/2008	390000	54000 E
7.MP-7D	2/5/2008	319000	156000 E
7.MP-7D	8/20/2007	179000	169000 E
7.MP-7D	6/18/2007	107000	175000 E
7.MP-7D	6/11/2007	157000	162000 E
7.MP-7D	6/8/2007	8080	167000 E
7.MP-7D	6/5/2007	406000	163000 E
7.MP-7D	1/23/2007	298000	222000 E
7.MP-7D	12/1/2006	20300	--
7.MP-7D	11/30/2006	27700 U	--
7.MP-7D	11/29/2006	260000	--
7.MP-7D	11/16/2006	601000	207000 E
7.MP-7D	11/15/2006	221000	230000 E
7.MP-7D	8/15/2006	345000	198000 E
7.MP-7D	7/19/2006	345000	211000 E
7.MP-7S	10/16/2023	7.9 J	6.6 U
7.MP-7S	10/17/2022	32 U	6.6 U
7.MP-7S	10/27/2021	0.79 J	5.4 J
7.MP-7S	10/15/2020	3.2 U	47
7.MP-7S	10/18/2019	0.35 U	3 U
7.MP-7S	10/10/2019	0.58 J	3 J
7.MP-7S	10/23/2018	1.6 J	6.6 U
7.MP-7S	10/12/2017	3.2 U	6.6 U
7.MP-7S	10/28/2016	2.6 U	3.8 U
7.MP-7S	4/8/2016	1.2 J	4.1 U
7.MP-7S	7/21/2015	4.8	4.30 U

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-7S	11/19/2014	2.6 U	3.6 U
7.MP-7S	4/21/2014	2.6 U	3.9 U
7.MP-7S	8/7/2013	1.3 J	4.4 U
7.MP-7S	11/12/2012	0.64 U	4 UV
7.MP-7S	3/14/2012	0.64 U	4 J
7.MP-7S	5/12/2011	2.6 U	3.7 U
7.MP-7S	8/26/2010	2.5 J	3.9 U
7.MP-7S	2/2/2010	2.6 U	5.4
7.MP-7S	8/4/2009	1500 U	116000 E
7.MP-7S	1/27/2009	1400 U	153000 E
7.MP-7S	8/6/2008	1600 U	194000 E
7.MP-7S	2/8/2008	290 U	117000 E
7.MP-7S	7/30/2007	2000 U	226000 E
7.MP-7S	6/21/2007	480 U	1090
7.MP-7S	6/18/2007	480 U	139000 E
7.MP-7S	6/11/2007	869	138000 E
7.MP-7S	6/8/2007	441	64300 E
7.MP-7S	6/5/2007	818	5470 E
7.MP-7S	5/29/2007	712 J	197000 E
7.MP-7S	5/18/2007	725	173000 E
7.MP-7S	1/23/2007	240	1320 E
7.MP-7S	12/1/2006	3370	--
7.MP-7S	11/30/2006	69 U	--
7.MP-7S	11/29/2006	9210	--
7.MP-7S	11/16/2006	8660	240000 E
7.MP-7S	11/15/2006	3500	204000 E
7.MP-7S	8/15/2006	640 U	177000 E
7.MP-7S	7/19/2006	3200 U	193000 E
7.MP-81	10/23/2023	0.89 J	8.2 U
7.MP-81	10/31/2022	3.2 U	6.6 U
7.MP-81	11/3/2021	3.2 U	8.2 U
7.MP-81	10/23/2020	0.49 J	6.6 U
7.MP-81	10/16/2019	0.35 U	3 U
7.MP-81	10/29/2018	1.4 J	6.6 U
7.MP-81	10/12/2017	0.64 U	6.6 U
7.MP-81 DUP	10/12/2017	3.2 U	6.6 U
7.MP-81	10/31/2016	2.6 U	3.9 U
7.MP-81	4/12/2016	13 U	49.9
7.MP-81	7/24/2015	320 U	1130 E
7.MP-81	12/1/2014	13 U	2190 E
7.MP-81	4/18/2014	204 JV	1290 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-8D	10/25/2023	0.49 J	1.4 J
7.MP-8D	10/21/2022	3.2 U	6.6 U
7.MP-8D	11/1/2021	3.2 U	1.6 J
7.MP-8D	10/27/2020	0.35 J	6 J
7.MP-8D	10/8/2019	0.37 J	3 U
7.MP-8D	10/25/2018	0.67 J	6.6 U
7.MP-8D	10/6/2017	0.9 J	8.6
7.MP-8D	11/4/2016	2.9	3.9 U
7.MP-8D	4/8/2016	139	40.7
7.MP-8D	7/22/2015	2.6 U	4.30 U
7.MP-8D	11/19/2014	2.6 U	3.8 U
7.MP-8D	5/9/2014	2.6 U	3.9 U
7.MP-8D	11/19/2012	6.4 U	4 UV
7.MP-8D	3/14/2012	64 U	10
7.MP-8D	5/10/2011	4380	2720 E
7.MP-8D	8/24/2010	1.2 J	4
7.MP-8D	2/2/2010	2.6 U	1330 E
7.MP-8D	7/29/2009	95500	7200 E
7.MP-8D	1/27/2009	36100	10900 E
7.MP-8D	7/16/2008	51100	12600 E
7.MP-8D	2/7/2008	38000	13300 E
7.MP-8D	12/6/2007	8210	NA
7.MP-8D	8/2/2007	14400	4710 E
7.MP-8D	7/24/2007	19000	NA
7.MP-8D	6/12/2007	42500	6500 E
7.MP-8D	1/30/2007	42800	23200 E
7.MP-8D	8/17/2006	32600	6140 E
7.MP-8D	7/19/2006	43800	6110 E
7.MP-8S	10/25/2023	0.64 J	6.7 J
7.MP-8S	10/21/2022	3.2 U	6.6 U
7.MP-8S	11/1/2021	3.2 U	6.6 U
7.MP-8S	10/27/2020	0.37 J	36
7.MP-8S	10/8/2019	0.35 U	3 U
7.MP-8S	10/25/2018	0.74 J	6.6 UJV
7.MP-8S DUP	10/25/2018	0.67 J	20 JV
7.MP-8S	10/6/2017	3.2 U	3 J
7.MP-8S	11/4/2016	2.6 U	3.7 U
7.MP-8S	4/8/2016	14	4.4 U
7.MP-8S	7/22/2015	1.6 J	4.40 U
7.MP-8S	11/19/2014	2.6 U	3.3 U
7.MP-8S	5/9/2014	2.6 U	5.5

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-8S	8/14/2013	2.6 U	3.8 U
7.MP-8S	11/19/2012	0.64 U	3 U
7.MP-8S	3/14/2012	6.4 U	50
7.MP-8S	5/10/2011	2.6 U	3.9 U
7.MP-8S	8/24/2010	2.6 U	3.8 U
7.MP-8S	2/2/2010	2.6 U	11.8
7.MP-8S	7/29/2009	121	1940 E
7.MP-8S	1/27/2009	2.6 U	3.3 U
7.MP-8S	7/16/2008	5.1 U	4.1 U
7.MP-8S DUP	7/16/2008	5.1 U	4.1 U
7.MP-8S	2/7/2008	41.9 J	164
7.MP-8S	8/2/2007	6.4 U	30.2
7.MP-8S	1/30/2007	7.3	15
7.MP-8S	8/25/2006	6.4 U	4.1 U
7.MP-8S	7/19/2006	122	5.1
7.MP-8S DUP	7/19/2006	20	10
7.MP-9AMB	11/10/2016	3.8	4.1 U
7.MP-9D	10/16/2023	32 U	9.8 U
7.MP-9D	10/26/2022	32 U	6.6 U
7.MP-9D	10/27/2021	3.2 U	6.6 U
7.MP-9D	10/14/2020	0.55 J	1.6 J
7.MP-9D	10/8/2019	0.78 J	3 U
7.MP-9D	10/24/2018	0.75 J	6.6 U
7.MP-9D	10/6/2017	3.2 U	17
7.MP-9D	11/10/2016	2.6 U	3.7 U
7.MP-9D	4/6/2016	2.6 U	3.8 U
7.MP-9D	7/21/2015	2.9	4.40 U
7.MP-9D	11/19/2014	2.6 U	3.3 U
7.MP-9D	4/22/2014	2.6 U	3.9 U
7.MP-9D	8/8/2013	2.6 U	4.3 U
7.MP-9D	11/13/2012	1.3 UJV	3 UJV
7.MP-9D	3/14/2012	0.64 U	20
7.MP-9D	5/10/2011	2.6 U	4.1 U
7.MP-9D	8/26/2010	2 J	3.7 U
7.MP-9D	2/2/2010	19	24.5
7.MP-9D	8/6/2009	7640	35900 E
7.MP-9D	1/27/2009	3040	29000 E
7.MP-9D	7/14/2008	5140	38600 E
7.MP-9D	1/28/2008	3420	23800 E
7.MP-9D	8/2/2007	11100	42000 E
7.MP-9D	7/24/2007	11400	NA

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
7.MP-9D	6/21/2007	5800	39200 E
7.MP-9D	6/18/2007	8300	37800 E
7.MP-9D	1/23/2007	3200	21400 E
7.MP-9D	8/15/2006	21100	41800 E
7.MP-9D	7/19/2006	27700	41500 E
7.MP-9S	10/16/2023	32 U	6.6 U
7.MP-9S	10/26/2022	3.2 U	6.6 U
7.MP-9S	10/27/2021	0.44 J	2.1 J
7.MP-9S	10/14/2020	3.2 U	1.6 J
7.MP-9S	10/8/2019	0.65 J	3 U
7.MP-9S	10/24/2018	0.63 J	6.6 U
7.MP-9S	10/6/2017	2.1 J	8.1
7.MP-9S	11/10/2016	2.6 U	3.6 U
7.MP-9S	4/6/2016	2.6 U	3.9 U
7.MP-9S	7/21/2015	1.3 J	4.10 U
7.MP-9S	11/19/2014	2.6 U	3.3 U
7.MP-9S	4/22/2014	2.6 U	4.1 U
7.MP-9S	8/8/2013	2.6 U	3.9 U
7.MP-9S	11/13/2012	0.64 UJV	3 UJV
7.MP-9S	3/14/2012	0.79 J	92
7.MP-9S	5/10/2011	2.6 U	3.7 U
7.MP-9S	8/26/2010	2.6 U	3.9 U
7.MP-9S	2/2/2010	2.6 U	4.3
7.MP-9S	7/29/2009	2.6 U	4.1 U
7.MP-9S	1/27/2009	2.6 U	3.3 U
7.MP-9S	7/14/2008	5.1 U	30.9
7.MP-9S	1/28/2008	180 U	16.7
7.MP-9S	8/2/2007	6.4 U	47.5
7.MP-9S	6/21/2007	480 U	25.5
7.MP-9S	6/18/2007	540	22.3
7.MP-9S	1/23/2007	830	6.1
7.MP-9S	8/15/2006	2.9 J	20.5
7.MP-9S	7/19/2006	3000	114
8.MP-76-AMB	10/25/2023	1.2 J	4.2 J
8.MP-76-AMB	11/2/2021	1.1 J	2.7 J
8.MP-76 AMB	10/14/2020	0.79 J	2.1 J
8.MP-76_AMB	10/11/2019	0.52 J	3 U
8.MP-76 AMB	10/29/2018	1.7 J	6.6 U
8.MP-76 AMB	10/10/2017	0.95 J	3 J
8.MP-76 AMB	10/25/2016	1.6 J	3.9 U
8.MP-76 AMB	4/14/2016	17	11.3

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
8.MP-76-AMB	7/29/2015	36.4	22.2
8.MP-76-AMB	12/4/2014	117	55
8.MP-76-AMB	4/24/2014	114	91
8.MP-76 AMB	8/16/2013	2.6 U	4.7
8.MP-76 AMB	11/20/2012	1.1 J	4 J
8.MP-76 AMB	3/15/2012	240 J	4 UV
8.MP-76D-DUP	10/25/2023	0.55 J	1.3 J
8.MP-76D	10/25/2023	0.52 J	1.4 J
8.MP-76D	10/19/2022	0.56 J	2 J
8.MP-76D	11/2/2021	0.51 J	2.6 J
8.MP-76D	10/14/2020	0.49 J	2.3 J
8.MP-76D	10/11/2019	0.48 J	16 J
8.MP-76D	10/29/2018	29 J	92 JV
8.MP-76D	10/10/2017	1 J	4 J
8.MP-76D	10/25/2016	1.3 J	9.69
8.MP-76D-DUP	10/29/2018	29 J	45 JV
8.MP-76S	10/25/2023	0.48 J	2.1 J
8.MP-76S	10/19/2022	3.2 U	2.1 J
8.MP-76S	11/2/2021	3.2 U	3.8 J
8.MP-76S	10/14/2020	0.52 J	2.4 J
8.MP-76S	10/11/2019	0.44 J	110
8.MP-76S	10/29/2018	1.4 J	3 J
8.MP-76S	10/10/2017	0.64 U	5 J
8.MP-76S	10/25/2016	2.6 U	3.9 U
8.MP-76S	4/14/2016	6.7	3.9 U
8.MP-76S	7/29/2015	183000	47800 JV
8.MP-76S	12/4/2014	44700	81800 E
8.MP-76S	4/24/2014	40900	97500 E
8.MP-76S DUP	4/24/2014	58500	111000 E
8.MP-76S	8/16/2013	77600	54600 JV
8.MP-76S	11/20/2012	5500	110000
8.MP-76S	5/18/2012	41000	66000
8.MP-76S DUP	5/18/2012	47000	92000
8.MP-77D	10/19/2022	0.54 J	2 J
8.MP-77D	11/5/2021	0.69 J	1.8 J
8.MP-77D	10/15/2020	1 J	3.8 J
8.MP-77D	10/14/2019	1 J	3 U
8.MP-77D	10/14/2019	0.98 J	3 U
8.MP-77D	10/26/2018	2.3 J	6.6 U
8.MP-77D	10/5/2017	1.5 J	80

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
8.MP-77D	10/25/2016	5.8 U	3.7 U
8.MP-77S	10/19/2022	0.94 J	1.6 J
8.MP-77S	11/5/2021	3.2 U	1.2 J
8.MP-77S DUP	11/5/2021	3.2 U	1.3 J
8.MP-77S	10/15/2020	0.6 J	3.8 J
8.MP-77S	10/14/2019	0.35 U	3 U
8.MP-77S	10/26/2018	1.4 J	6.6 U
8.MP-77S	10/5/2017	1 J	10
8.MP-77S	10/25/2016	3.2	69.4
8.MP-77S	4/11/2016	5.1 J	2190 E
8.MP-77S	7/28/2015	41.2	211000 E
8.MP-77S	11/25/2014	19	146000 E
8.MP-77S	4/22/2014	380 U	139000 E
8.MP-77S	8/19/2013	140 U	105000 JV
8.MP-77S	11/19/2012	100 J	460000 JV
8.MP-78-AMB	10/21/2022	3.3	2.6 J
8.MP-78D	10/25/2023	0.64 J	2.9 J
8.MP-78D	10/21/2022	0.64 J	1.9 J
8.MP-78D	11/5/2021	0.46 J	3.7 J
8.MP-78D	10/14/2020	0.7 J	4.3 J
8.MP-78D	10/9/2019	0.69 J	16
8.MP-78D	10/26/2018	0.85 J	6.6 U
8.MP-78D	10/6/2017	3.2 U	4 J
8.MP-78D	10/25/2016	1.6 J	3.7 U
8.MP-78D	4/11/2016	32.3	4.3
8.MP-78D	7/17/2015	224000 JV	107000 JV
8.MP-78D	11/24/2014	142000 JV	142000 JV
8.MP-78D	4/24/2014	231000	120000 E
8.MP-78D	8/16/2013	316000	102000 JV
8.MP-78D	11/20/2012	300000	180000
8.MP-78D	5/18/2012	370000	180000
8.MP-78S	10/25/2023	0.63 J	2.8 J
8.MP-78S	10/21/2022	1.7 J	2.2 J
8.MP-78S	11/5/2021	0.37 J	1.9 J
8.MP-78S	10/14/2020	0.71 J	3.2 J
8.MP-78S	10/9/2019	0.7 J	17
8.MP-78S	10/26/2018	0.76 J	6.6 U
8.MP-78S	10/6/2017	1.4 J	3 J
8.MP-78S	10/25/2016	1.6 J	3.8 U
8.MP-78S	4/11/2016	7730	3490 E

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

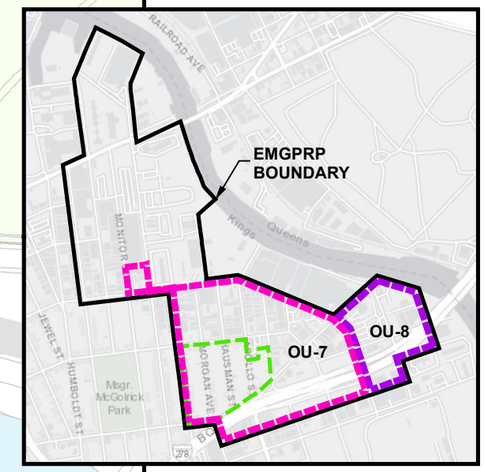
Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)
8.MP-78S	7/17/2015	303000	133000 JV
8.MP-78S	11/24/2014	173000	119000 JV
8.MP-78S	4/24/2014	185000	116000 E
8.MP-78S	8/16/2013	298000	103000 JV
8.MP-78S	11/20/2012	99000	150000
8.MP-78S	5/18/2012	170000	140000
8.MP-79	11/5/2021	0.78 J	2.1 J
8.MP-79	10/15/2020	3.6	3.8 J
8.MP-79	10/9/2019	0.6 J	98
8.MP-79S	10/26/2018	1.7 J	6.6 U
8.MP-79S	10/6/2017	2.8 J	6 J
8.MP-79S	10/26/2016	47000	4710 E
8.MP-79S	4/11/2016	9360	47600 E
8.MP-79S	7/17/2015	460000	118000 JV
8.MP-79S	12/11/2014	267000	122000 E
8.MP-79S	4/24/2014	228000	118000 E
8.MP-79S	8/16/2013	508000	87700 JV
8.MP-79S	11/20/2012	240000	170000
8.MP-79S	5/18/2012	380000	140000
8.MP-79S-DUP	11/20/2012	260000	170000
8.MP-80	10/25/2023	0.96 J	1.4 J
8.MP-80	10/19/2022	0.7 J	2.1 J
8.MP-80 DUP	10/19/2022	0.41 J	1.9 J
8.MP-80	11/2/2021	0.4 J	2.4 J
8.MP-80	10/14/2020	1.2 J	3.3 J
8.MP-80	10/10/2019	1.4 J	11
8.MP-80	10/31/2018	2.2 J	5 J
8.MP-80	10/19/2017	1.2 J	18
8.MP-80 DUP	10/19/2017	0.77 J	14
8.MP-80	10/25/2016	4440	4520 E
8.MP-80	4/11/2016	21900	11500 E
8.MP-80	7/17/2015	22800	17500 E
8.MP-80	11/24/2014	70000 JV	70700 E
8.MP-80	4/24/2014	146000	58400 E
8.MP-80	8/16/2013	37400	25700 JV
8.MP-80	11/20/2012	67000	92000
8.MP-80	5/18/2012	140000	52000

Table 5. Historical Benzene and Methane Concentrations in Ambient Air and Soil Vapor - OU-7 and OU-8
ExxonMobil Greenpoint Petroleum Remediation Project, Greenpoint, Brooklyn, New York

Designation	Sample Date	Benzene (µg/m^3)	Methane (mg/m^3)

Notes:
µg/m^3 - Micrograms per cubic meter
mg/m^3 - Milligrams per cubic meter
B - Indicates analyte was found in the blank and sample
U - Compound was analyzed for but not detected
J - Estimated value
J+ - Estimated value, high bias
J- - Estimated value, low bias
V – Qualifier applied during data validation, see Data Usability Summary Report (Appendix B)
UJ - Analyte was not detected. The associated reported quantitation limit is an estimate
NJ - Detection is tentative in identification and estimated in value
E - Indicates value exceeded calibration range
AMB - Ambient air sample collected 5 feet above grade adjacent to soil vapor point
DUP - Duplicate sample
NA - Compound was not analyzed by laboratory
-- - Compound was not reported in suggested units by laboratory
NM - Monitoring point was not sampled

FIGURES



N

LEGEND

- OU-7 SOUTHERN OFF-SITE AREA
- OU-8 EASTERN OFF-SITE AREA
- EXTENT OF RESIDENTIAL AREA

350 0 350'

Title:

AREA MAP OF OU-7 AND OU-8

EXXONMOBIL
GREENPOINT PETROLEUM REMEDIATION PROJECT
GREENPOINT, BROOKLYN, NEW YORK

Prepared for:
EXXONMOBIL OIL CORPORATION
BROOKLYN, NEW YORK

ROUX

Compiled by: J.C.	Date: 01/21/22
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: C.L.	Project: 0172.0030Y080
File: 0172.0030Y4819.1.mxd	

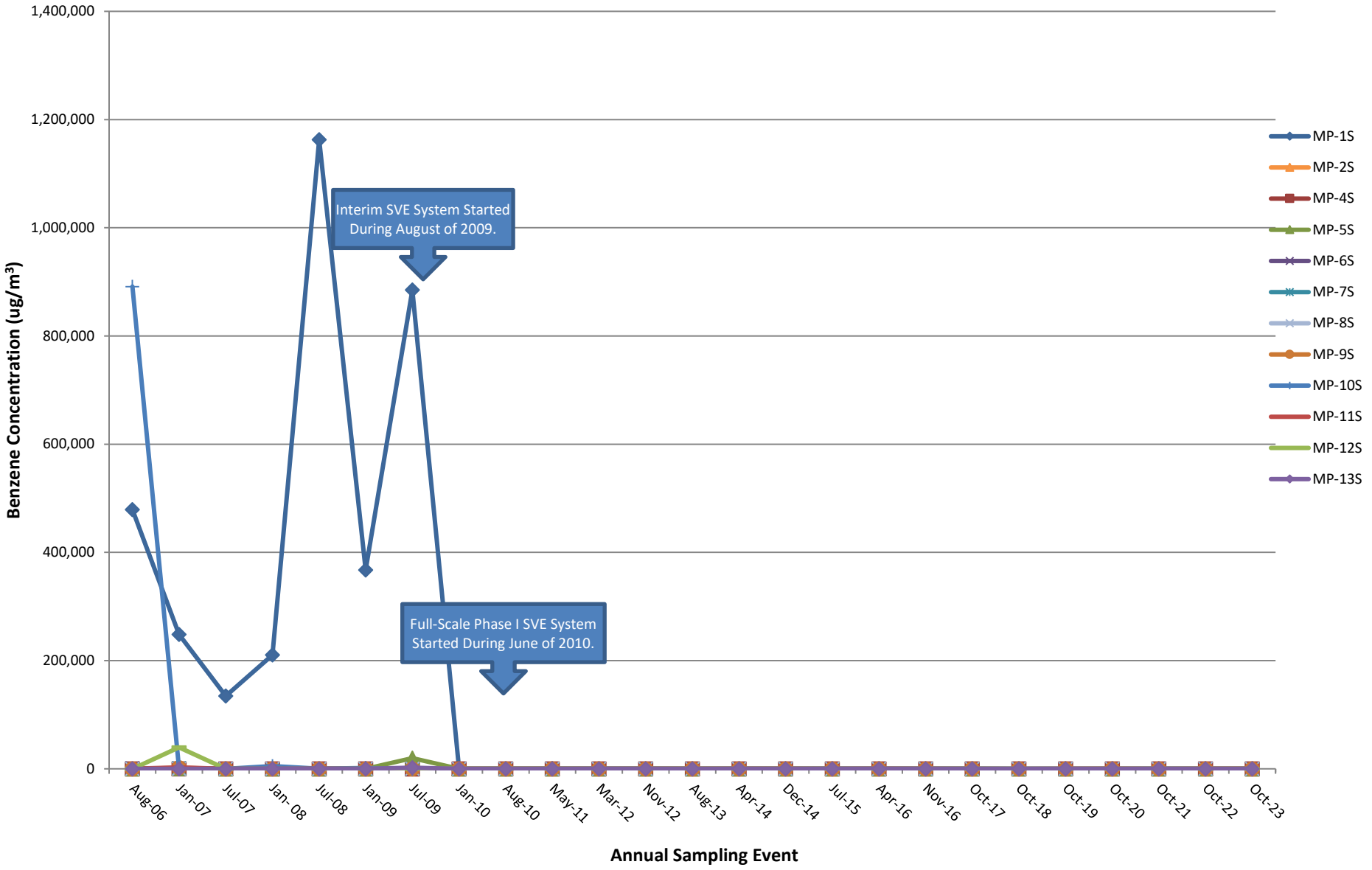
FIGURE
1

V:\GIS\PROJECTS\0172E\0030E\4819\0172.0030Y4819.1.MXD

FIGURE 2

Benzene Concentrations in Shallow Monitoring Points Located Within the Estimated Radius of Influence of the Phase I SVE System

August 2006 through Fourth Quarter 2023



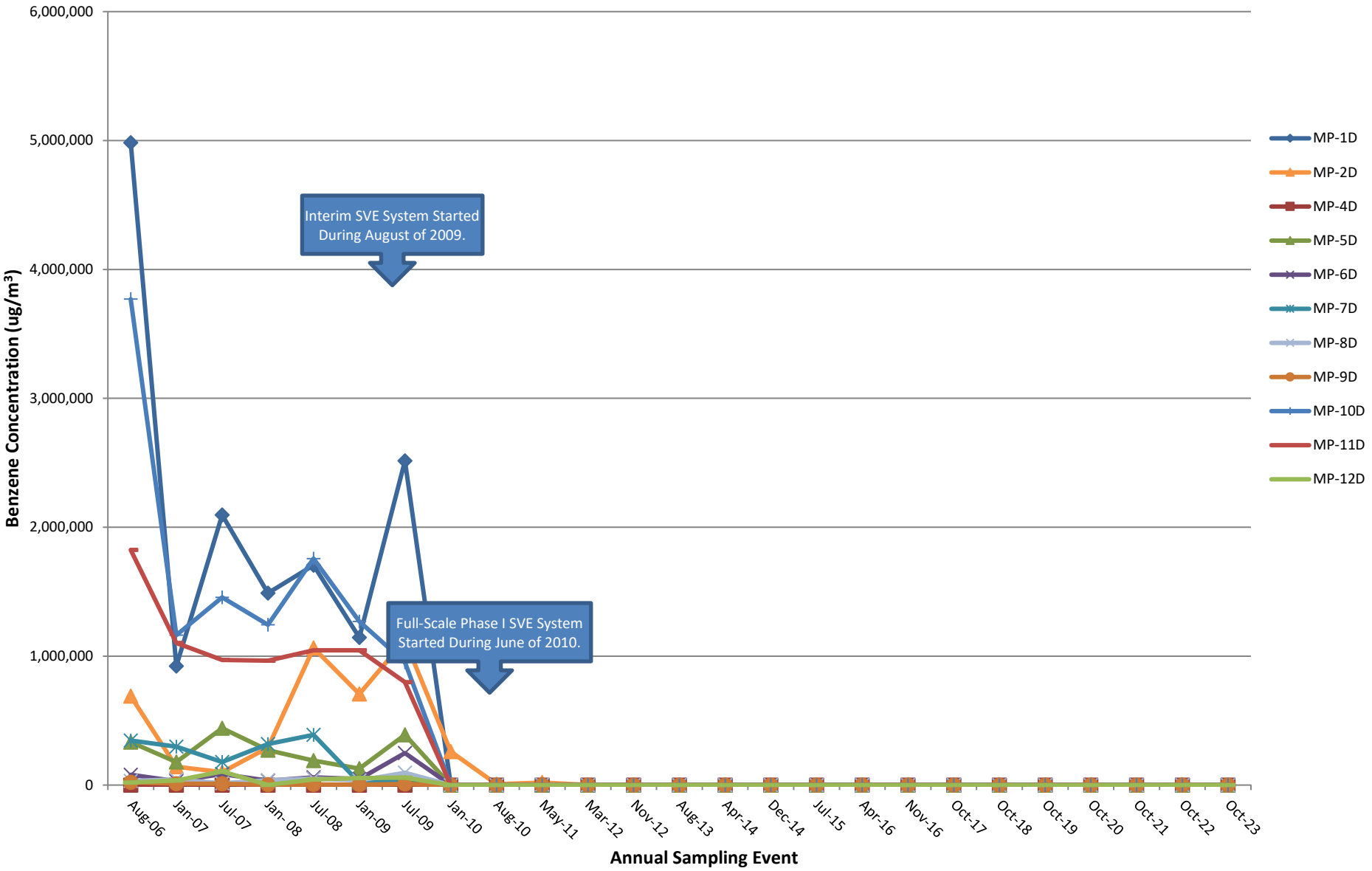
Note: The Site-specific soil vapor screening comparison value for benzene in soil vapor beneath the Commercial/Industrial Areas of the Site is 542,000 micrograms per cubic meter (ug/m³).

ROUX

FIGURE 3

Benzene Concentrations in Deep Monitoring Points Located Within the Estimated Radius of Influence of the Phase I SVE System

August 2006 through Fourth Quarter 2022



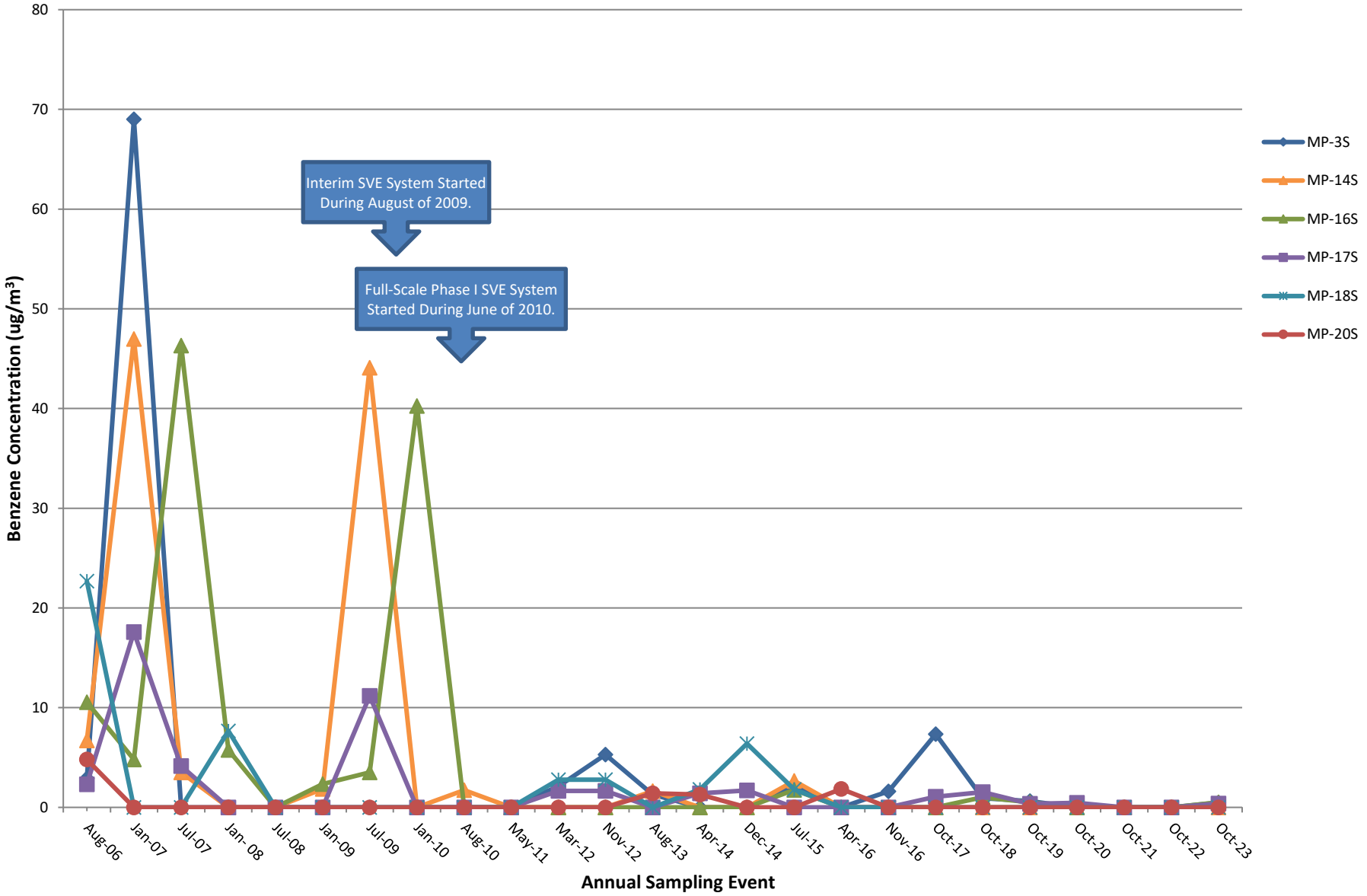
Note: The Site-specific soil vapor screening comparison value for benzene in soil vapor beneath the Commercial/Industrial Areas of the Site is 542,000 micrograms per cubic meter (ug/m³).

ROUX

FIGURE 4

Benzene Concentrations in Shallow Monitoring Points Located Adjacent to the Estimated Radius of Influence of the Phase I SVE System

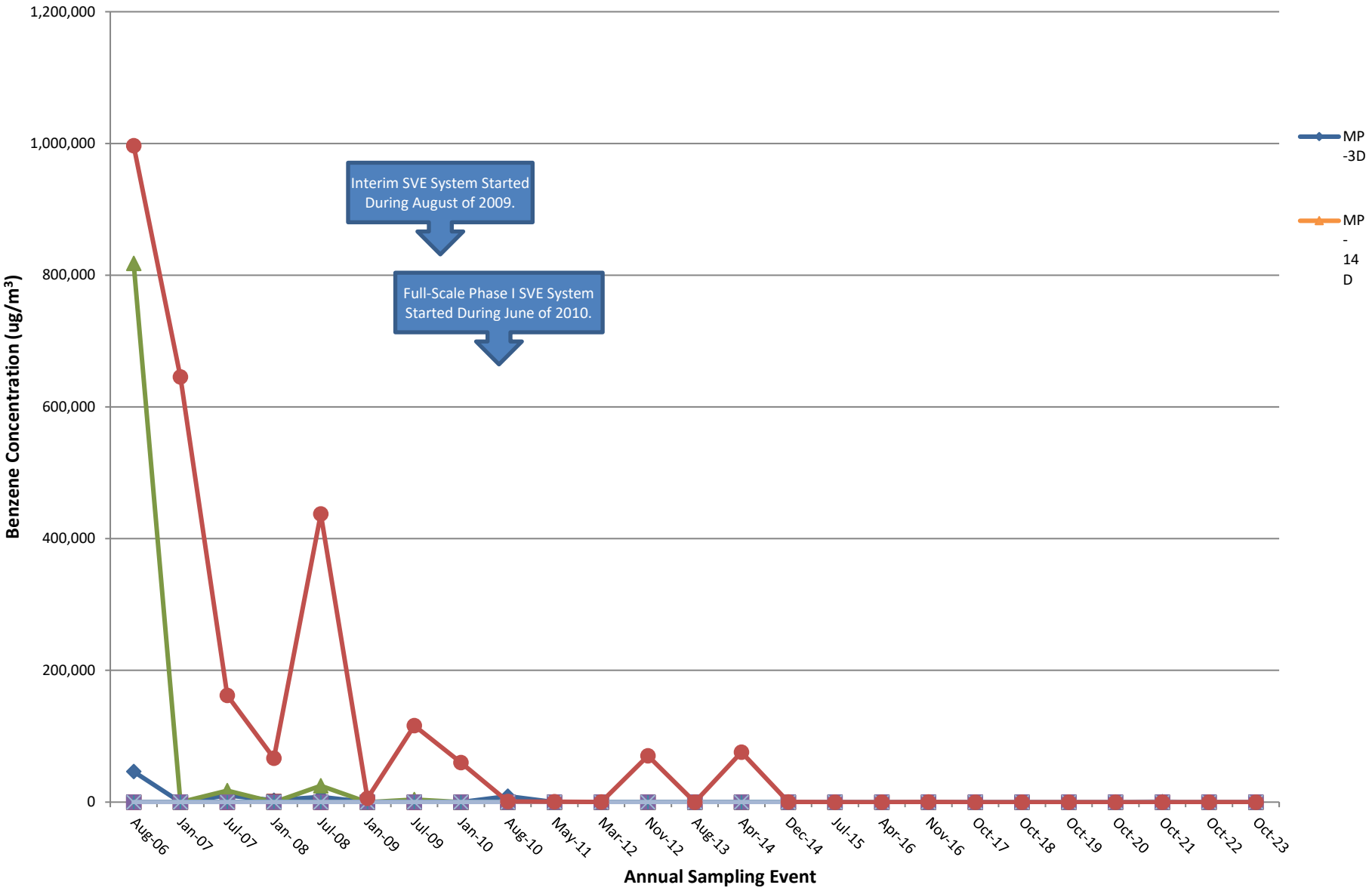
August 2006 through Fourth Quarter 2023



Note: The Site-specific soil vapor screening comparison value for benzene in soil vapor beneath the Commercial/Industrial Areas of the Site is 542,000 micrograms per cubic meter (ug/m³).

ROUX

FIGURE 5

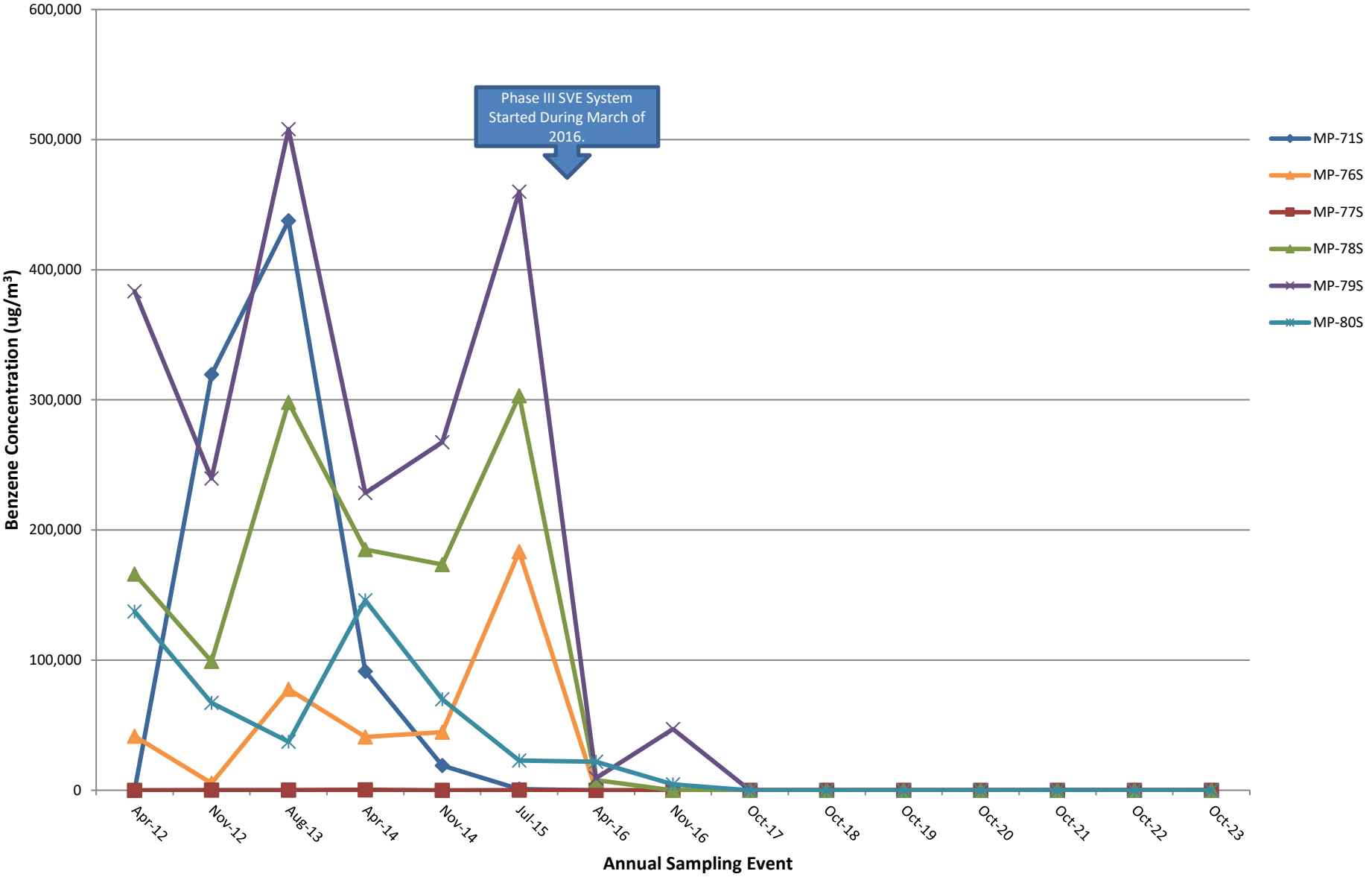


Note: The Site-specific soil vapor screening comparison value for benzene in soil vapor beneath the Commercial/Industrial Areas of the Site is 542,000 micrograms per cubic meter (ug/m³).

FIGURE 6

Benzene Concentrations in Shallow Monitoring Points Located Within the Estimated Radius of Influence of the Phase III SVE System

April 2012 through Fourth Quarter 2023



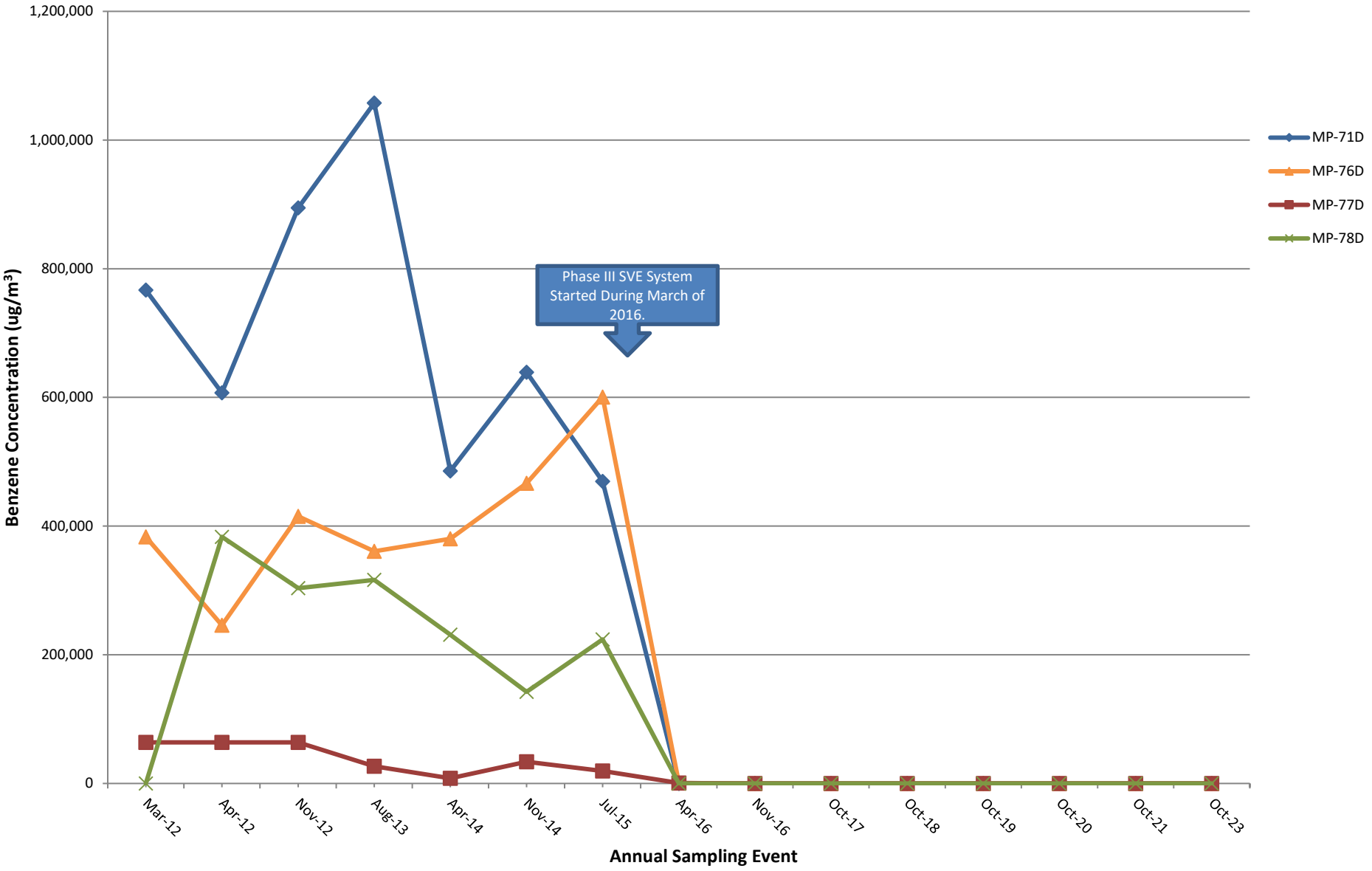
Note: The Site-specific soil vapor screening comparison value for benzene in soil vapor beneath the Commercial/Industrial Areas of the Site is 542,000 micrograms per cubic meter (ug/m³).

ROUX

FIGURE 7

Benzene Concentrations in Deep Monitoring Points Located Within the Estimated Radius of Influence of the Phase III SVE System

April 2012 through Fourth Quarter 2023



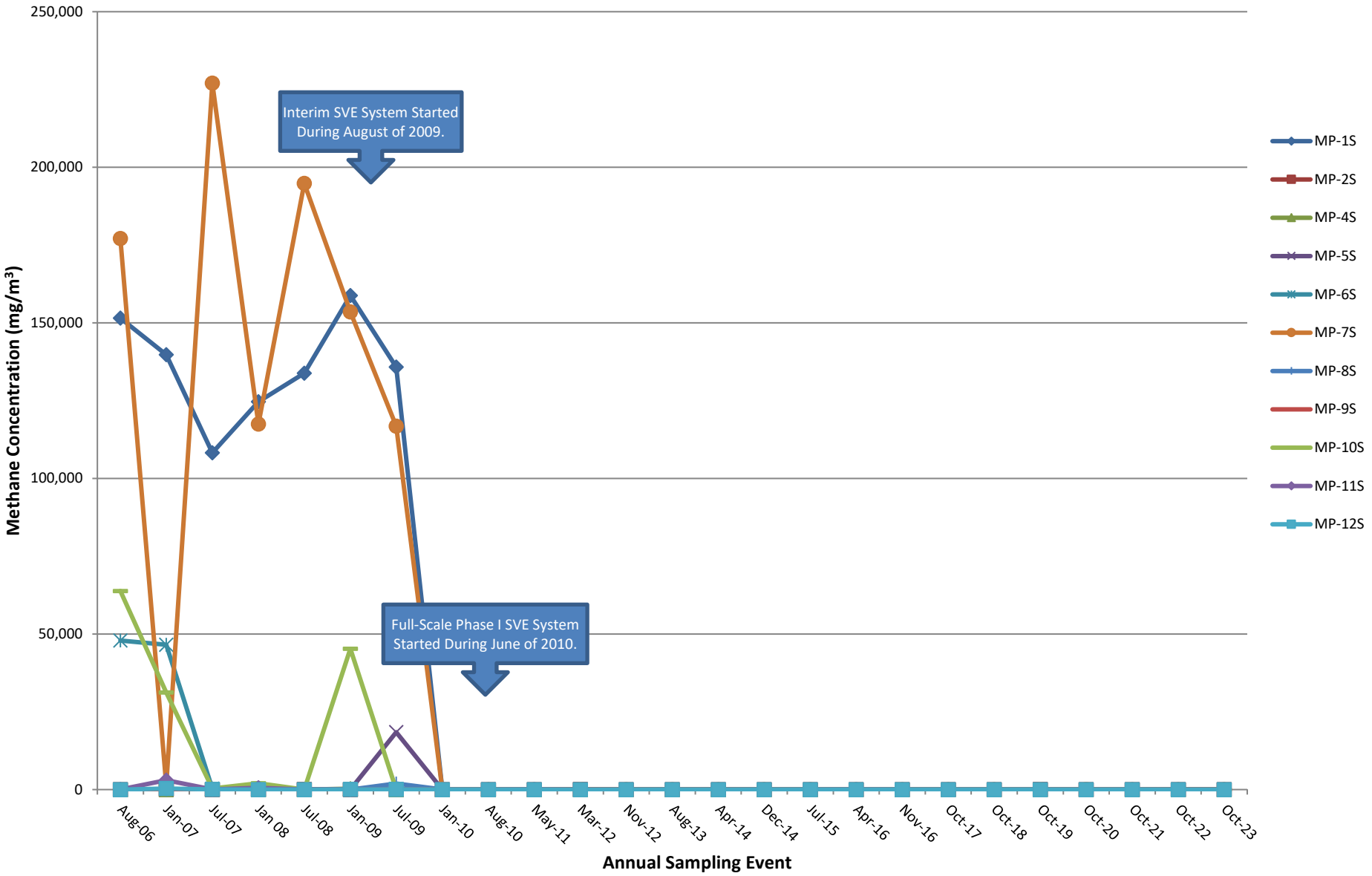
Note: The Site-specific soil vapor screening comparison value for benzene in soil vapor beneath the Commercial/Industrial Areas of the Site is 542,000 micrograms per cubic meter (ug/m³).

ROUX

FIGURE 8

Methane Concentrations in Shallow Monitoring Points Located Within the Estimated Radius of Influence of the Phase I SVE System

August 2006 through Fourth Quarter 2023



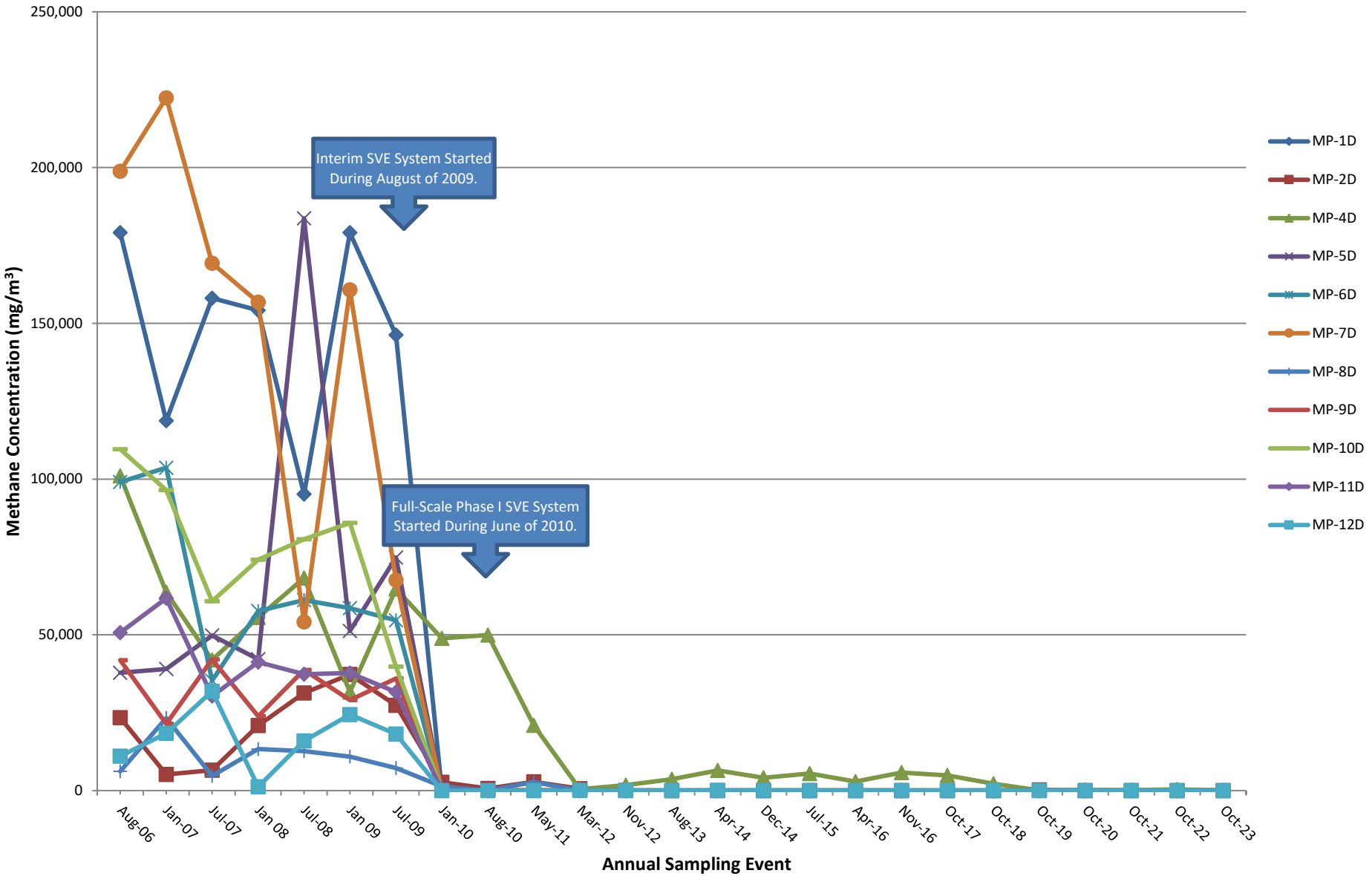
Note: The Site-specific soil vapor screening comparison value for methane in soil vapor beneath all areas of the Site is 8,180 milligrams per cubic meter (mg/m³).

ROUX

FIGURE 9

Methane Concentrations in Deep Monitoring Points Located Within the Estimated Radius of Influence of the Phase I SVE System

August 2006 through Fourth Quarter 2023



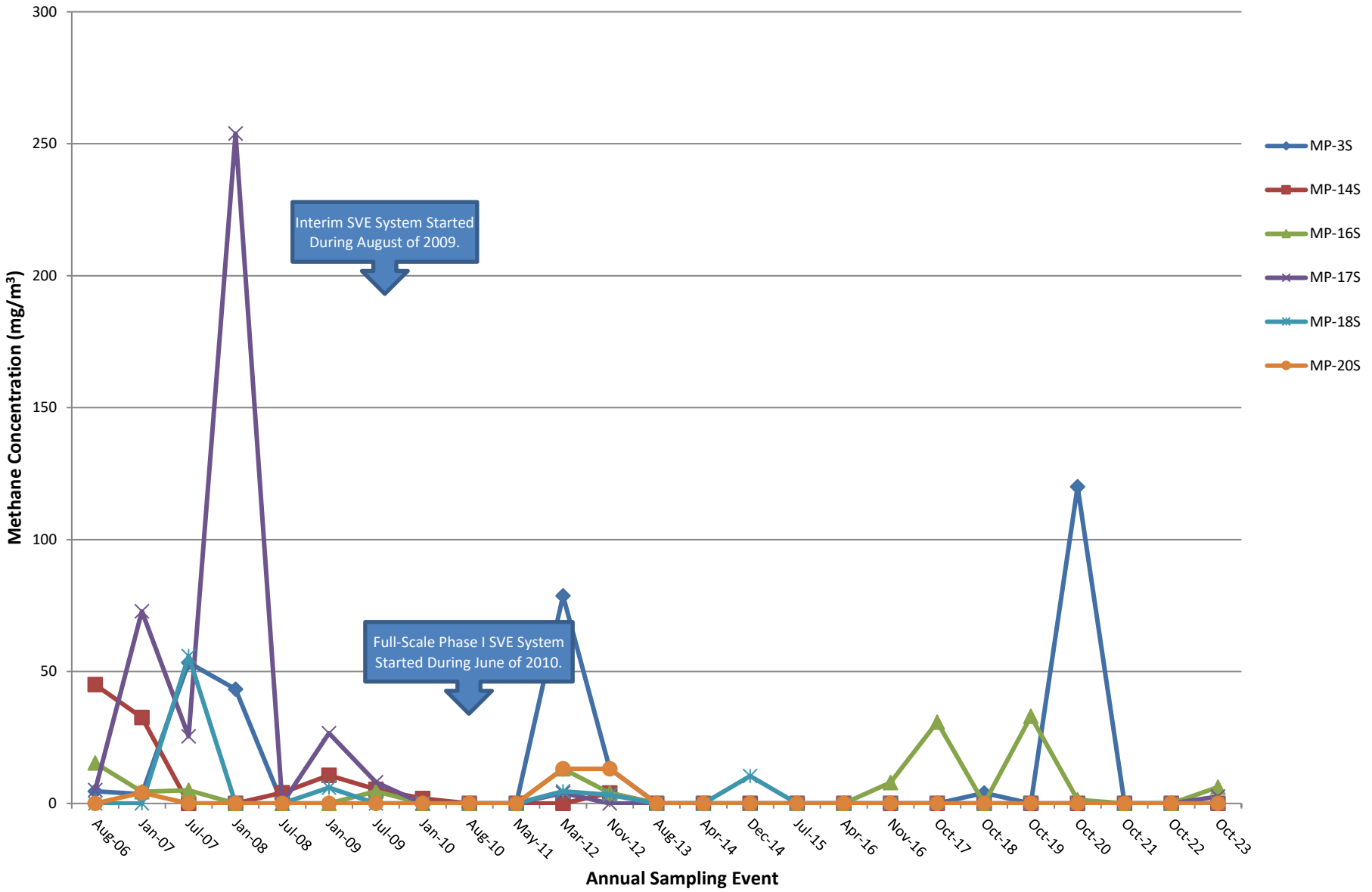
Note: The Site-specific soil vapor screening comparison value for methane in soil vapor beneath all areas of the Site is 8,180 milligrams per cubic meter (mg/m³).

ROUX

FIGURE 10

Methane Concentrations in Shallow Monitoring Points Located Adjacent to the Estimated Radius of Influence of the Phase I SVE System

August 2006 through Fourth Quarter 2023



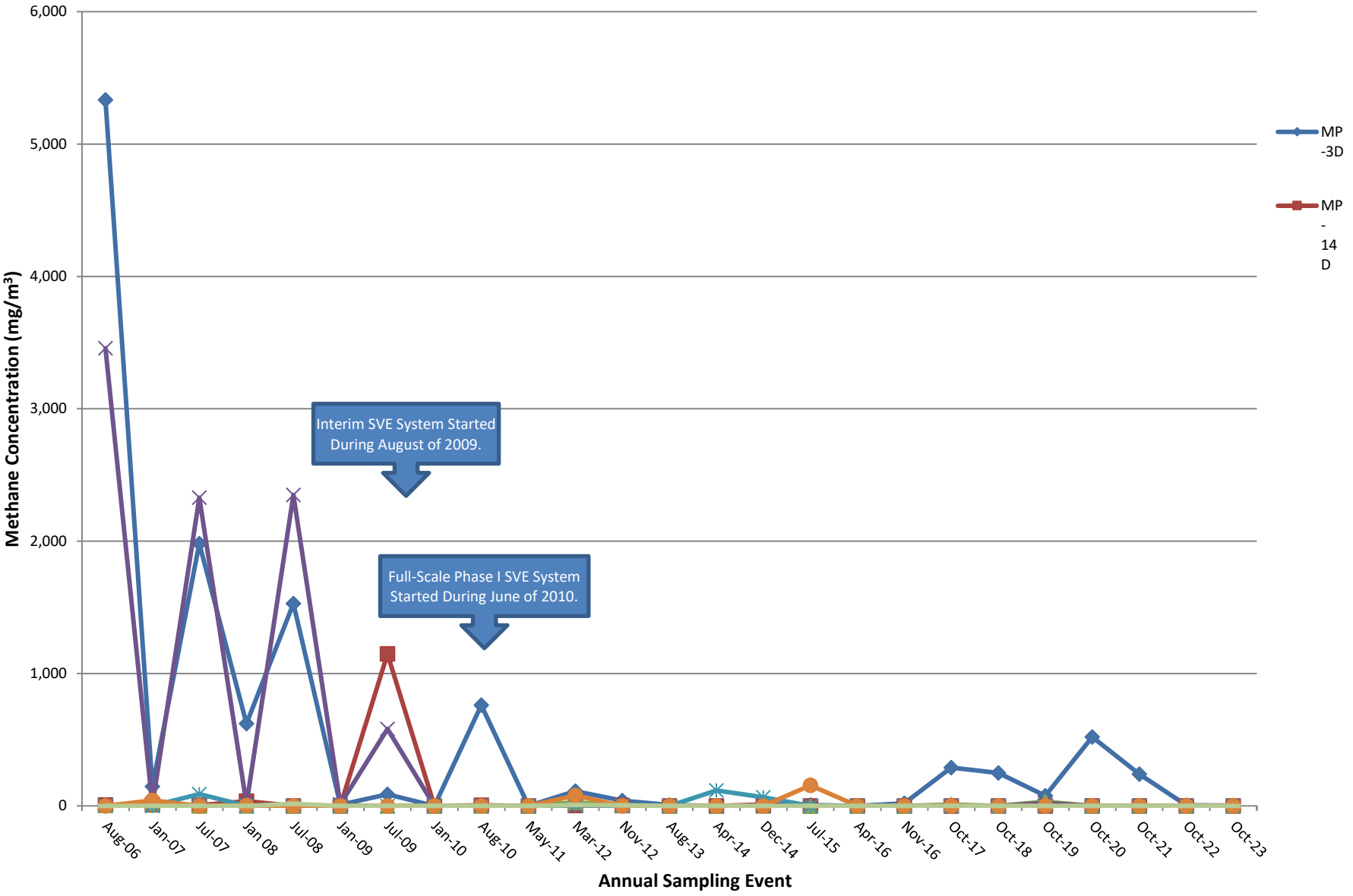
Note: The Site-specific soil vapor screening comparison value for methane in soil vapor beneath all areas of the Site is 8,180 milligrams per cubic meter (mg/m^3).

ROUX

FIGURE 11

Methane Concentrations in Deep Monitoring Points Located Adjacent to the Estimated Radius of Influence of the Phase I SVE System

August 2006 through Fourth Quarter 2023



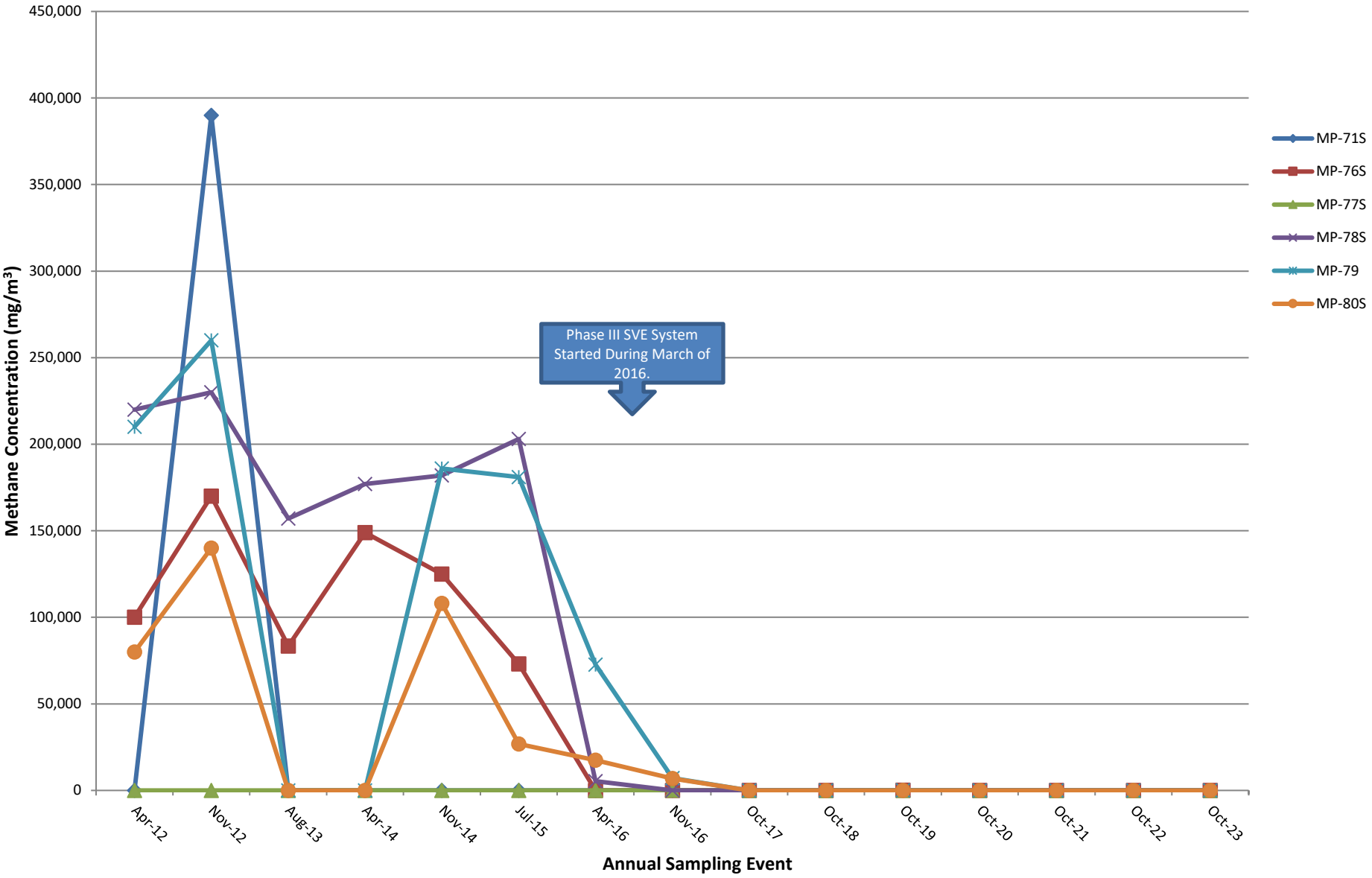
Note: The Site-specific soil vapor screening comparison value for methane in soil vapor beneath all areas of the Site is 8,180 milligrams per cubic meter (mg/m³).

ROUX

FIGURE 12

Methane Concentrations in Shallow Monitoring Points Located Within the Estimated Radius of Influence of the Phase III SVE System

April 2012 through Fourth Quarter 2023



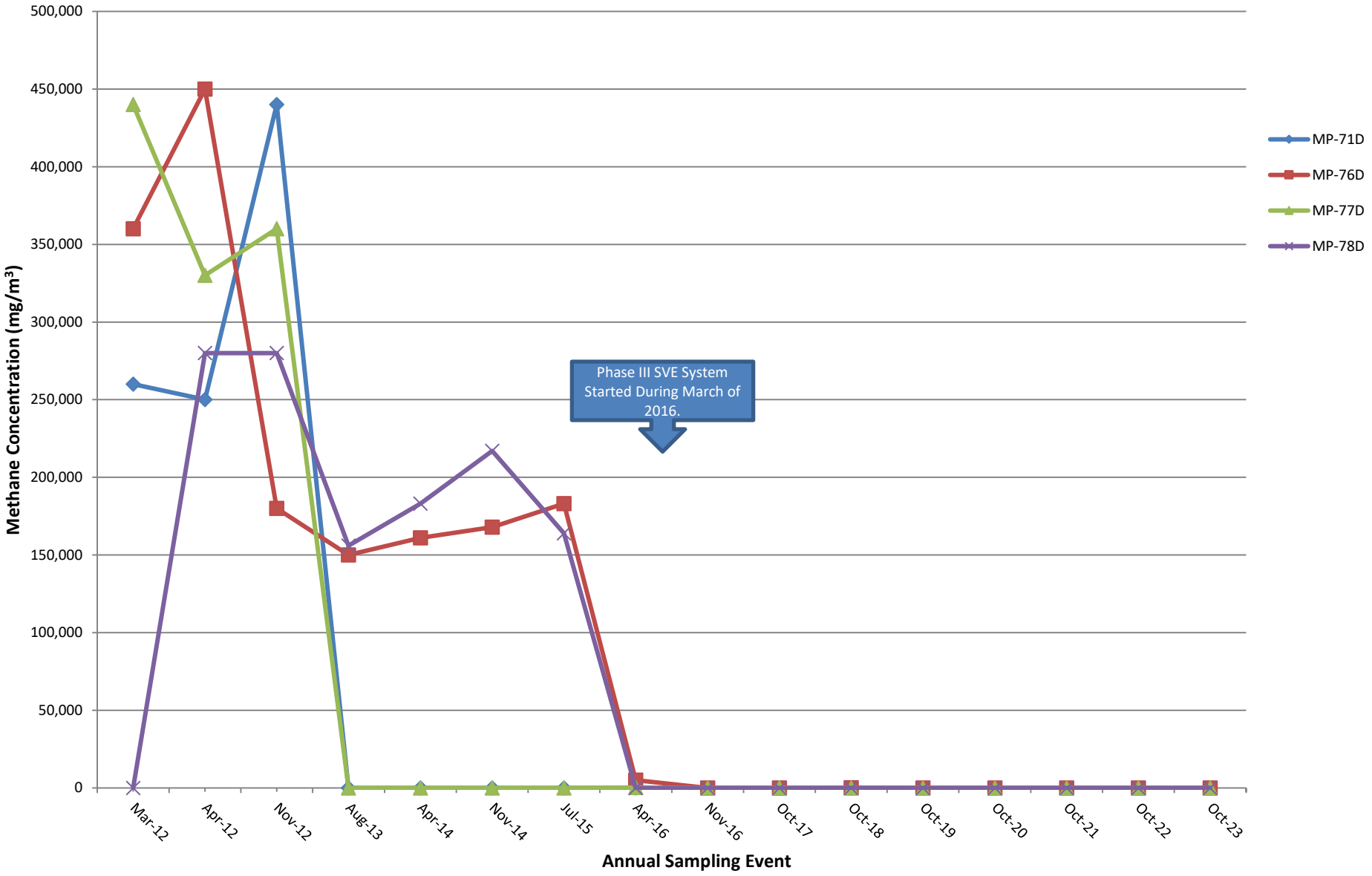
Note: The Site-specific soil vapor screening comparison value for methane in soil vapor beneath all areas of the Site is 8,180 milligrams per cubic meter (mg/m³).

ROUX

FIGURE 13

Methane Concentrations in Deep Monitoring Points Located Within the Estimated Radius of Influence of the Phase III SVE System

April 2012 through Fourth Quarter 2023



Note: The Site-specific soil vapor screening comparison value for methane in soil vapor beneath all areas of the Site is 8,180 milligrams per cubic meter (mg/m³).

ROUX

ATTACHMENTS

1. Soil Vapor Notification
2. SV Sampling Forms
3. Data Usability Summary Report

ATTACHMENT 1

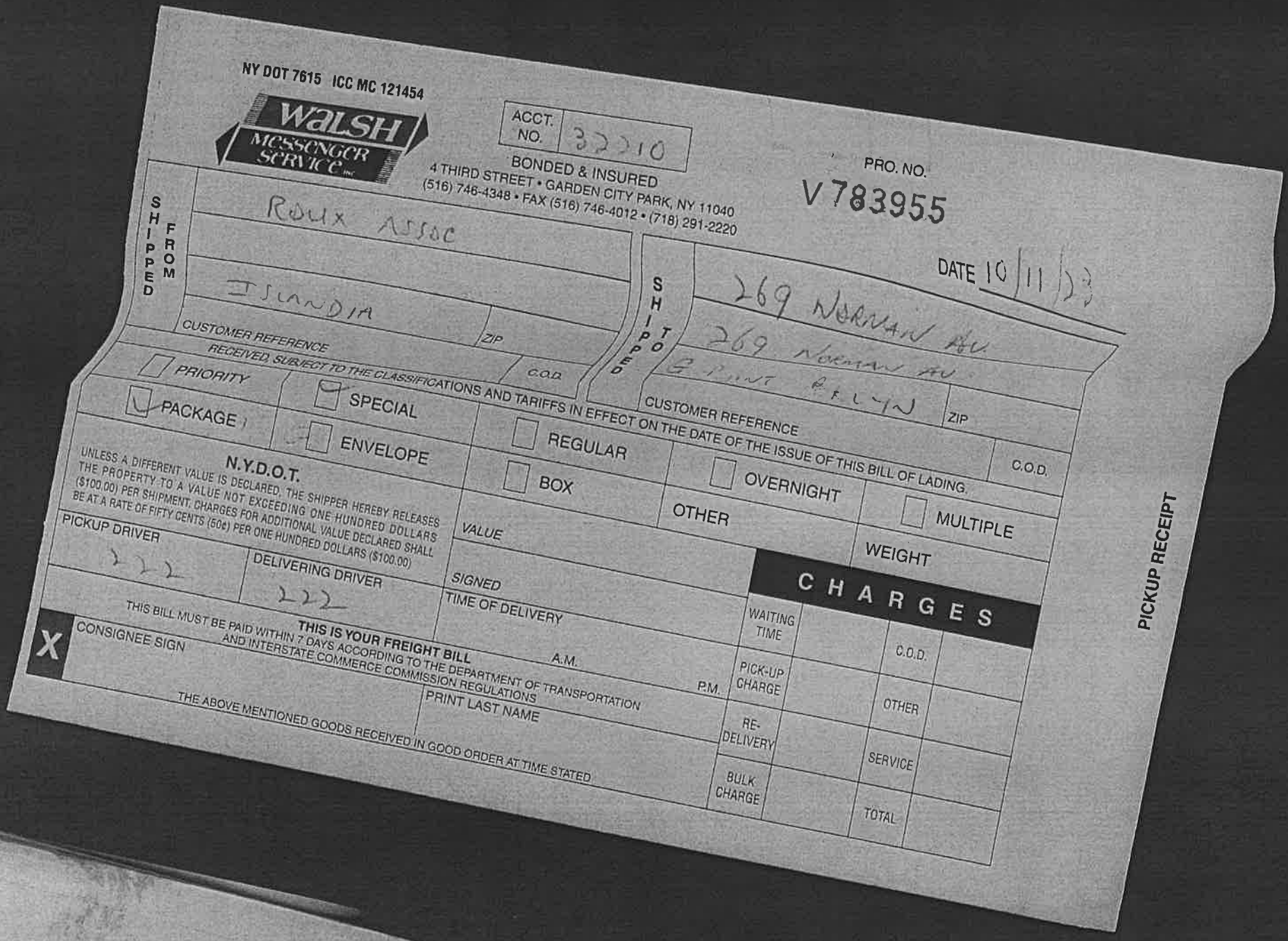
Soil Vapor Notification

ExxonMobil Greenpoint Petroleum Remediation Project
OU-7 and 8 Soil Vapor Notification Recipient List

Owner Name	Send to Address	Property Address	Received (Yes / No)	Received Date	Comments
269 Norman Ave, LLC.	269 Norman Avenue Brooklyn, New York 11222	269 Norman Avenue	Yes	October 11, 2023	
103 Apollo, LLC.	17 Crawford Road Englishtown, New Jersey 07726	103 Apollo Street	Yes	October 11, 2023	
JDB Realty Holdings, Inc.	ATT: John Buzzetta JDB Realty Holdings, Inc. 17 Crawford Rd, Manalapan, NJ 07726	94 Apollo Street 73 Van Dam Street 77 Bridgewater Street	Yes	October 11, 2023	
Mill Paper Box Co., Inc.	203 Meserole Avenue Brooklyn, New York 11222	347 Kingsland Avenue 265 Norman Avenue 267 Norman Avenue 355 Kingsland Avenue 341 Kingsland Avenue 337 Kingsland Avenue 345 Kingsland Avenue	Yes	October 11, 2023	
R & M Marcantonio Corp.	5 The Rise Woodbury, New York 11797	71 Van Dam Street 75 Van Dam Street 79 Bridgewater Street	Yes	October 11, 2023	
81 Apollo Street, LLC 90 Hausman St, LLC	86-88 Hausman St Brooklyn, NY 11222	90 Apollo Street 92 Apollo Street 88 Apollo Street 86 Apollo Street	Yes	October 11, 2023	
Wallabout Metal Co., Inc.	974 Meeker Avenue Brooklyn, New York 11222	990 Meeker Avenue 974 Meeker Avenue	Yes	October 11, 2023	
Hercules Management Co.	900 Meeker Avenue Brooklyn, New York 11222	900 Meeker Avenue	Yes	October 11, 2023	
The Anthony Paul Argento Irrevocable Trust	203 Meserole Avenue, Brooklyn, NY 11222	21 Bridgewater Street	Yes	October 11, 2023	
Lam's Development 686, LLC.	4435 College Point Blvd, Flushing, New York, 11355	326 Norman Avenue	Yes	October 22, 2023	Returned by Walsh. Sent via FedEx
551 Stewart Realty Trust	9 Applegreen Drive, Old Westbury NY 11568	551 Stewart Avenue	Yes	October 11, 2023	
958 Property Group LLC	970 Meeker Avenue Brooklyn NY 11222	958 Meeker Avenue 970 Meeker Avenue	Yes	October 11, 2023	
LINY Properties, Inc.	885 Meeker Avenue Brooklyn, NY 11222	899 Meeker Avenue	Yes	October 11, 2023	
Gardner Avenue, LLC.	299 Edison Avenue, West Babylon NY 11704	570 Gardner Avenue	Yes	October 11, 2023	
MTA Real Estate	347 Madison Avenue New York, NY 10017	1000 Meeker Avenue	Yes	October 11, 2023	
Peerless Equities, LLC.	16 Bridgewater Street Brooklyn NY 11222	543 Gardner Avenue 550 Stewart Avenue 559 Gardner Avenue 560 Stewart Avenue 577 Gardner Avenue 902 Meeker Avenue 924 Meeker Avenue 934 Meeker Avenue 944 Meeker Avenue 948 Meeker Avenue 952 Meeker Avenue	Yes	October 11, 2023	
Waste Management of New York	562 Gardner Avenue Brooklyn, NY 11222	562 Gardner Avenue	Yes	October 11, 2023	
C & L Associates	66 Van Dam Street Brooklyn NY 11222	59 Bridgewater Street	Yes	October 23, 2023	Returned by Walsh. Sent via FedEx
Lai Family Limited Partnership	2216 NY-106, Muttontown, NY 11791	253 Norman Avenue 259 Norman Avenue 252 Monitor Street	Yes	October 22, 2023	Returned by Walsh. Sent via FedEx
Crosswood, LLC.	47 Bridgewater Street Brooklyn NY 11222	37 Varick Street 47 Bridgewater Street	Yes	October 11, 2023	
121 Hausman Street LLC	79-51 Cooper Avenue, Glendale, NY, 11385	121 Hausman St	Yes	October 11, 2023	

ExxonMobil Greenpoint Petroleum Remediation Project
OU-7 and 8 Soil Vapor Notification Recipient List

Owner Name	Send to Address	Property Address	Received (Yes / No)	Received Date	Comments
83-97 Apollo Owner LLC	220 5th Avenue, Fl 9 New York, NY 10001	83 Apollo Street	Yes	October 11, 2023	
Tandem Holding Corp.	120 Hausman St Brooklyn, New York 11222	322 Norman Avenue	Yes	October 11, 2023	
640 Morgan Realty, LLC.	640 Morgan Ave Brooklyn, NY 11222	640 Morgan Avenue	Yes	October 11, 2023	
890 Meeker Avenue Corp.	890 Meeker Ave Brooklyn, NY 11222	890 Meeker Avenue	Yes	October 11, 2023	
Valemill Realty Corp.	94 Hausman Street Brooklyn NY 11222	94 Hausman Street	Yes	October 11, 2023	



NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE, INC.

ACCT. NO. 32210

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SIGNED

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CHARGES

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RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

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MARGOT DEPEPPE-KWARTA
ROUX ASSOCIATES, INC.
209 SHAFTER STREET

ISLANDIA, NY 117495074
UNITED STATES US

SHIP DATE: 10OCT23
ACTWGT: 0.95 LB MAN
CAD: 0891928/CAFE3707

BILL THIRD PARTY

TO **103 APOLLO, LLC.**

17 CRAWFORD ROAD

ENGLISHTOWN NJ 07726

DEPT: 017200030Y09106/65.21MUEL
REF: 017200030Y09106/65.21MUEL

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Service type:	FedEx Standard Overnight		
Special Handling:	Deliver Weekday; Residential Delivery		ENGLISHTOWN, NJ,
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ISLANDIA, NY 117495074
UNITED STATES US

SHIP DATE: 10OCT23
ACTWGT: 0.95 LB MAN
CAD: 0891928/CAFE3707

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TO **ATT: JOHN BUZZETTA**
JDB REALTY HOLDINGS, INC.
17 CRAWFORD RD

MANALAPAN NJ 07726

REF: 017200030Y09106/65.21MUEL
DEPT: 017200030Y09106/65.21MUEL

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Part # 156148-434 RIT EXP 01/20

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Status:	Delivered	**Delivered To:**	
Signed for by:		**Delivery Location:**	
Service type:	FedEx Standard Overnight		
Special Handling:	Deliver Weekday; Residential Delivery		ENGLISHTOWN, NJ,
		Delivery date:	Oct 11, 2023 13:06

Shipping Information:

Tracking number:	700242340345	**Ship Date:**	Oct 10, 2023
		Weight:	

Recipient:	**Shipper:**
ENGLISHTOWN, NJ, US,	ISLANDIA, NY, US,

Reference 017200030y09106/65.21muel

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PRO. NO. V783933

DATE 10/11/23

SHIPPED FROM: Roux Assoc

ISLANDIA ZIP

CUSTOMER REFERENCE C.O.D.

SHIPPED TO: MILL PAPER BOX CO.

263 MERRICK AV.

E. PORT BKLYN ZIP

CUSTOMER REFERENCE C.O.D.

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SIGNED

TIME OF DELIVERY A.M. P.M.

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CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

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DATE 10-11-23

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WDBRY.

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VALUE

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PICKUP DRIVER 246

DELIVERING DRIVER 246

TIME OF DELIVERY

A.M. P.M.

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

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MARGOT DEPEPPE-KWARTA
ROUX ASSOCIATES, INC.
209 SHAFTER STREET

ISLANDIA, NY 117495074
UNITED STATES US

SHIP DATE: 10OCT23
ACTWGT: 0.95 LB MAN
CAD: 0891928/CAFE3707

BILL THIRD PARTY

TO 81 APOLLO STREET/90 HAUSMAN ST, LLC

86-88 HAUSMAN ST

BROOKLYN NY 11222
REF: 017200030Y09106/65.21MUEL
DEPT: 017200030Y09106/65.21MUEL

583C9/3D0A/FE2D

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Express

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J23102211020luv

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STANDARD OVERNIGHT

TRK# 0201 7002 4234 0367

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11222
NY-US JFK

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Service type:	FedEx Standard Overnight		
Special Handling:	Deliver Weekday		BROOKLYN, NY,
		Delivery date:	Oct 11, 2023 11:40

Shipping Information:			
Tracking number:	700242340367	**Ship Date:**	Oct 10, 2023
		Weight:	

Recipient:	**Shipper:**
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Reference 017200030y09106/65.21muel

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DATE 10/11/22

SHIPPED FROM		SHIPPED TO	
ROUX ASSOC		WALNUT METAL	
		974 MECKER AV	
ISLANDIA	ZIP	G. POINT BKLYN	ZIP
CUSTOMER REFERENCE	C.O.D.	CUSTOMER REFERENCE	C.O.D.

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☑ PACKAGE /	☐ ENVELOPE	☐ BOX	OTHER	WEIGHT

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VALUE

SIGNED

CHARGES

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY					
222	222	A.M. P.M.	WAITING TIME		C.O.D.		
			PICK-UP CHARGE		OTHER		
			RE-DELIVERY		SERVICE		
			BULK CHARGE		TOTAL		

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X CONSIGNEE SIGN

PRINT LAST NAME

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PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE

ACCT. NO. 32214

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

PRO. NO. V783943

DATE 10/11/13

SHIPPED FROM	SHIPPED TO
RDUX ASSOC	HERCULES MGMT.
	900 MEEKER AV
INDIA	G. POINT BKLYN
ZIP	ZIP
CUSTOMER REFERENCE / C.O.D.	CUSTOMER REFERENCE / C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY	☑ SPECIAL	☐ REGULAR	☐ OVERNIGHT	☐ MULTIPLE
☑ PACKAGE 1	☐ ENVELOPE	☐ BOX	OTHER	WEIGHT

N.Y.D.O.T.
UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY
222	222	A.M. P.M.

THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE inc

ACCT. NO. 32215

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

PRO. NO. V 783934

DATE 10/11/23

SHIPPED FROM: RMX ASSOC

ISLANDIA ZIP

CUSTOMER REFERENCE C.O.D.

SHIPPED TO: ANTHONY PAUL ARGENTO
203 MCTERGUE AV
G POINT BKLYN ZIP

CUSTOMER REFERENCE C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY	☑ SPECIAL	☐ REGULAR	☐ OVERNIGHT	☐ MULTIPLE
☑ PACKAGE	☐ ENVELOPE	☐ BOX	OTHER	WEIGHT

N.Y.D.O.T.
UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

PICKUP DRIVER: 27

DELIVERING DRIVER: 222

TIME OF DELIVERY A.M. P.M.

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

PICKUP RECEIPT

April 17, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 700242340573

Delivery Information:

Status:	Delivered	**Delivered To:**	Shipping/Receiving
Signed for by:	S.IGNATURE NOT REQ	**Delivery Location:**	
Service type:	FedEx Express Saver		
Special Handling:	Deliver Weekday; No Signature Required		FLUSHING, NY,
		Delivery date:	Oct 22, 2023 09:44

Shipping Information:

Tracking number:	700242340573	**Ship Date:**	Oct 20, 2023
		Weight:	2.0 LB/0.91 KG

Recipient:	**Shipper:**
FLUSHING, NY, US,	Islandia, NY, US,

Reference	01720030y91/muller
Department Number	01720030y91/muller

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE inc

ACCT. NO.

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

PRO. NO. V 787628
3218

DATE 10-11-23

SHIPPED FROM: ROUX
ISLIP
ZIP
CUSTOMER REFERENCE
C.O.D.

SHIPPED TO: 551-STEWART REALTY
9-APPLEGREEN DR
O.W.
ZIP
CUSTOMER REFERENCE
C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY	☒ SPECIAL	☐ REGULAR	☐ OVERNIGHT	☐ MULTIPLE
☐ PACKAGE	☒ ENVELOPE	☐ BOX	OTHER	WEIGHT

N.Y.D.O.T.

UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

PICKUP DRIVER 246

DELIVERING DRIVER 246

SIGNED

TIME OF DELIVERY A.M. P.M.

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE			

THIS IS YOUR FREIGHT BILL

THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE

ACCT. NO. 32220

PRO. NO. V 783945

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

DATE 10/11/23

SHIPPED FROM: Roux Assoc. / ISLANDIA / ZIP / CUSTOMER REFERENCE / C.O.D.

SHIPPED TO: 958 PROPERTY GROUP / 970 MEEKER AV / G POINT BKLYN / ZIP / CUSTOMER REFERENCE / C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY	☑ SPECIAL	☐ REGULAR	☐ OVERNIGHT	☐ MULTIPLE
☑ PACKAGE 1	☐ ENVELOPE	☐ BOX	OTHER	WEIGHT

N.Y.D.O.T.
UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

PICKUP DRIVER: 222

DELIVERING DRIVER: 222

TIME OF DELIVERY: A.M. P.M.

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE INC.

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

ACCT. NO. 32222

PRO. NO. V783946

DATE 10/11/23

SHIPPED FROM

RAIX AIDC

INDIA

ZIP

CUSTOMER REFERENCE

C.O.D.

SHIPPED TO

LINY PROPERTIES

875 MEEKER AV

GREENPOINT BKLYN

ZIP

CUSTOMER REFERENCE

C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY ☒ SPECIAL ☐ REGULAR ☐ OVERNIGHT ☐ MULTIPLE

☒ PACKAGE ☐ ENVELOPE ☐ BOX OTHER

N.Y.D.O.T.

UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

WEIGHT

PICKUP DRIVER 222

DELIVERING DRIVER 222

SIGNED

TIME OF DELIVERY A.M. P.M.

THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE inc

ACCT. NO.

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

PRO. NO. V787627

DATE 10-11-23

SHIPPED FROM: ROUX
ISLND
ZIP
CUSTOMER REFERENCE
C.O.D.

SHIPPED TO: GARDNER AVE.
299 EDISON
W. BAB
ZIP
CUSTOMER REFERENCE
C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY	☒ SPECIAL	☐ REGULAR	☐ OVERNIGHT	☐ MULTIPLE
☐ PACKAGE	☒ ENVELOPE	☐ BOX	OTHER	WEIGHT

N.Y.D.O.T.
UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

PICKUP DRIVER 246 | DELIVERING DRIVER 246

SIGNED

TIME OF DELIVERY A.M. P.M.

THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

ACCT. NO. 32257

PRO. NO. V 796812

WALSH MESSENGER SERVICE inc

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

DATE 10/1/03

PICKUP RECEIPT

SHIPPED FROM	SHIPPED TO
ROUX ASSOCIATES	MTA REAL ESTATE
	347 MADISON AVE
INDIA ZIP	NYC ZIP
CUSTOMER REFERENCE C.O.D.	CUSTOMER REFERENCE C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY	☒ SPECIAL	☐ REGULAR	☐ OVERNIGHT	☐ MULTIPLE
☐ PACKAGE	☒ ENVELOPE	☐ BOX	OTHER	WEIGHT

N.Y.D.O.T.

UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY
418	418	A.M. P.M.

THIS IS YOUR FREIGHT BILL

THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE inc.

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

ACCT. NO. 32225

PRO. NO. V783950

DATE 10/11/23

SHIPPED FROM

ROUX ASSOC

ISLANDIA ZIP

CUSTOMER REFERENCE C.O.D.

SHIPPED TO

PEERLESS EQUITIES

16 BRIDGEWATER ST

E POINT BKLYN ZIP

CUSTOMER REFERENCE C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY	☑ SPECIAL	☐ REGULAR	☐ OVERNIGHT	☐ MULTIPLE
☑ PACKAGE 1	☐ ENVELOPE	☐ BOX	OTHER	WEIGHT

N.Y.D.O.T.

UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

PICKUP DRIVER 222

DELIVERING DRIVER 222

TIME OF DELIVERY A.M. P.M.

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

THIS IS YOUR FREIGHT BILL

THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE, INC.

ACCT. NO. 32226

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

PRO. NO. V783952

DATE 10/11/23

SHIPPED FROM: ROUX ASSOC
ISLANDIA ZIP
CUSTOMER REFERENCE C.O.D.

SHIPPED TO: WASTE MGMT
50 GARDNER AV
E POINT BKLYN ZIP
CUSTOMER REFERENCE C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY ☑ SPECIAL ☐ REGULAR ☐ OVERNIGHT ☐ MULTIPLE
☑ PACKAGE ☐ ENVELOPE ☐ BOX OTHER WEIGHT

N.Y.D.O.T.
UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

PICKUP DRIVER 212 DELIVERING DRIVER 212

SIGNED

TIME OF DELIVERY A.M. P.M.

THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

PICKUP RECEIPT

April 17, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 700242340595

Delivery Information:

Status:	Delivered	**Delivered To:**	Shipping/Receiving
Signed for by:	S.IGNATURE NOT REQ	**Delivery Location:**	
Service type:	FedEx Express Saver		
Special Handling:	Deliver Weekday		BROOKLYN, NY,
		Delivery date:	Oct 23, 2023 11:40

Shipping Information:

Tracking number:	700242340595	**Ship Date:**	Oct 20, 2023
		Weight:	2.0 LB/0.91 KG

Recipient:	**Shipper:**
BROOKLYN, NY, US,	Islandia, NY, US,

Reference	01720030y91/muller
Department Number	01720030y91/muller

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx

April 17, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 700242340562

Delivery Information:			
Status:	Delivered	**Delivered To:**	Shipping/Receiving
Signed for by:	S.IGNATURE NOT REQ	**Delivery Location:**	
Service type:	FedEx Express Saver		
Special Handling:	Deliver Weekday; Residential Delivery; No Signature Required		MUTTONTOWN, NY,
		Delivery date:	Oct 22, 2023 14:38

Shipping Information:			
Tracking number:	700242340562	**Ship Date:**	Oct 20, 2023
		Weight:	2.0 LB/0.91 KG

Recipient:	**Shipper:**
MUTTONTOWN, NY, US,	Islandia, NY, US,

Reference	01720030y91/muller
Department Number	01720030y91/muller

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE Inc.

ACCT. NO. 32229

BONDED & INSURED

4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

PRO. NO. V783949

DATE 10/11/13

SHIPPED FROM

Roux Assoc

INDIA

ZIP

CUSTOMER REFERENCE

C.O.D.

SHIPPED TO

CROSSWOOD LLC

47 BRIDGEWATER ST

G. POINT BKLYN

ZIP

CUSTOMER REFERENCE

C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY ☑ SPECIAL ☐ REGULAR ☐ OVERNIGHT ☐ MULTIPLE

☑ PACKAGE ☐ ENVELOPE ☐ BOX OTHER WEIGHT

N.Y.D.O.T.

UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

PICKUP DRIVER JJJ

DELIVERING DRIVER JJJ

SIGNED

TIME OF DELIVERY A.M. P.M.

THIS IS YOUR FREIGHT BILL

THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

CHARGES			
WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE INC.

ACCT. NO. 32230

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

PRO. NO: V783956

DATE 10/11/23

SHIPPED FROM
Roux Assoc
Islandia
ZIP
CUSTOMER REFERENCE
C.O.D.

SHIPPED TO
121 Hausman St
79-51 Cooper Av
Glendale
ZIP
CUSTOMER REFERENCE
C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY	☑ SPECIAL	☐ REGULAR	☐ OVERNIGHT	☐ MULTIPLE
☑ PACKAGE 1	☐ ENVELOPE	☐ BOX	OTHER	WEIGHT

N.Y.D.O.T.
UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

PICKUP DRIVER: 222

DELIVERING DRIVER: 222

TIME OF DELIVERY A.M. P.M.

THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE inc

ACCT. NO. 32231

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

PRO. NO. V796813

DATE 1-11-23

SHIPPED FROM		SHIPPED TO	
ROUX ASSOCIATES		83-97 AP-11 owner	
		220 5 AVE	
ISLANDIA ZIP		NYC ZIP 911	
CUSTOMER REFERENCE	C.O.D.	CUSTOMER REFERENCE	C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY	☒ SPECIAL	☐ REGULAR	☐ OVERNIGHT	☐ MULTIPLE
☐ PACKAGE	☒ ENVELOPE 1	☐ BOX	OTHER	WEIGHT

N.Y.D.O.T.
UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

CHARGES

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY A.M. P.M.				
48	48		WAITING TIME		C.O.D.	
			PICK-UP CHARGE		OTHER	
			RE-DELIVERY		SERVICE	
			BULK CHARGE		TOTAL	

THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE

ACCT. NO. 32232

PRO. NO. V 783947

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

DATE 10/11/23

SHIPPED FROM

RDUX Assoc

ZIP

CUSTOMER REFERENCE | C.O.D.

SHIPPED TO

TANDEM HOLDING
120 HAUSMAN ST
S. POINT BKLYN
ZIP

CUSTOMER REFERENCE | C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY	☑ SPECIAL	☐ REGULAR	☐ OVERNIGHT	☐ MULTIPLE
☑ PACKAGE /	☐ ENVELOPE	☐ BOX	OTHER	WEIGHT

N.Y.D.O.T.
UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

PICKUP DRIVER: 222

DELIVERING DRIVER: 222

TIME OF DELIVERY

A.M. P.M.

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

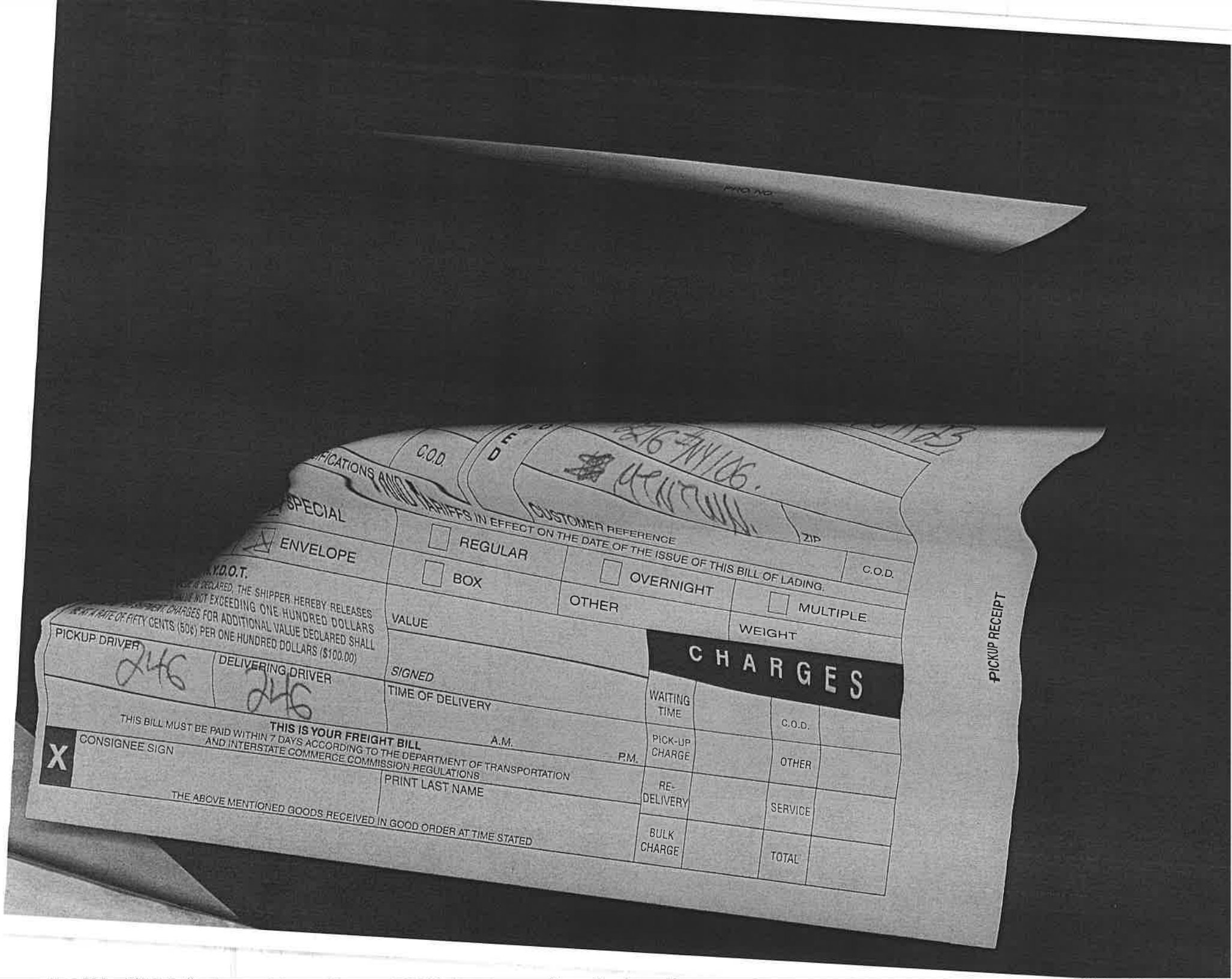
THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

PICKUP RECEIPT


PRO NO.
C.O.D.
SPECIAL
ENVELOPE
REGULAR
BOX
OVERNIGHT
OTHER
MULTIPLE
CUSTOMER REFERENCE
ZIP
C.O.D.
VALUE
WEIGHT
PICKUP DRIVER
DELIVERING DRIVER
SIGNED
TIME OF DELIVERY
A.M.
P.M.
CHARGES
WAITING TIME
PICK-UP CHARGE
RE-DELIVERY
BULK CHARGE
C.O.D.
OTHER
SERVICE
TOTAL
THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS
CONSIGNEE SIGN
PRINT LAST NAME
THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED
PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE INC

ACCT. NO. 32235

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

PRO. NO. V 783942

DATE 10/11/23

SHIPPED FROM		SHIPPED TO	
RSUX ASSOC		790 MEEKER	
		890 MEEKER AV	
ISLANDIA	ZIP	G POINT BKLYN	ZIP
CUSTOMER REFERENCE	C.O.D.	CUSTOMER REFERENCE	C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY	☑ SPECIAL	☐ REGULAR	☐ OVERNIGHT	☐ MULTIPLE
☑ PACKAGE	☐ ENVELOPE	☐ BOX	OTHER	WEIGHT

N.Y.D.O.T.
UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY
222	222	A.M. P.M.

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE inc

ACCT. NO.

PRO. NO. V800906

BONDED & INSURED
4 THIRD STREET • GARDEN CITY PARK, NY 11040
(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

DATE

SHIPPED FROM

ZIP

CUSTOMER REFERENCE | C.O.D.

SHIPPED TO

ZIP

CUSTOMER REFERENCE | C.O.D.

RECEIVED, SUBJECT TO THE CLASSIFICATIONS AND TARIFFS IN EFFECT ON THE DATE OF THE ISSUE OF THIS BILL OF LADING.

☐ PRIORITY ☐ SPECIAL ☐ REGULAR ☐ OVERNIGHT ☐ MULTIPLE

☐ PACKAGE ☐ ENVELOPE ☐ BOX OTHER WEIGHT

N.Y.D.O.T.
UNLESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS ($100.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL BE AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

PICKUP DRIVER | DELIVERING DRIVER | TIME OF DELIVERY A.M. P.M.

CHARGES

WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN | PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

PICKUP RECEIPT

ATTACHMENT 2

SV Sampling Forms

Soil Vapor Sampling Form

Date: 10/16/2023 **Time:** 10:50:00 AM

Weather : Partly Cloudy

Temperature:	54	° F	Humidity:	71	%
Wind Magnitude:	7	mph	Wind Direction:	NW	
Barometric Pressure:	29.63	in Hg	Precipitation:	0	"

Sampling Team: CS+SC

Sampling Location: OU-7, Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Corner of Apollo St., OU7 sidewalk adjacent to busy street.

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	8675	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	11:00:00 AM	
Ending Time:	11:59:00 AM	
Ending Pressure:	-8	in. of Hg
Summa Canister Identification #:	1227	
Flow Regulator ID #:	494787	
Sample ID #:	7.MP-1S	
Time:	59	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3852		**Meter ID:**	2503	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.1	%
CO:	0	ppm	**CO:**	2	ppm	**O2:**	22.1	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	3.4	ppm	**VOC:**	3.4	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4355	
						CO2:	0.1	%
						O2:	21.7	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/16/2023 **Time:** 11:20:00 AM

Weather : Partly Cloudy

Temperature:	54	° F	Humidity:	71	%
Wind Magnitude:	7	mph	Wind Direction:	NW	
Barometric Pressure:	29.63	in Hg	Precipitation:	0	"

Sampling Team: CS & SC

Sampling Location: OU-7, Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Corner of Apollo St., OU7 sidewalk adjacent to busy street.

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 min	
Helium Rate at enclosure:	7350	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	11:28:00 AM	
Ending Time:	12:28:00 PM	
Ending Pressure:	-14	in. of Hg
Summa Canister Identification #:	1424	
Flow Regulator ID #:	824847	
Sample ID #:	7.MP-1D	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3852		**Meter ID:**	2503	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.1	%
CO:	0	ppm	**CO:**	2	ppm	**O2:**	22.8	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	5.8	ppm	**VOC:**	5.7	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4355	
						CO2:	0.1	%
						O2:	21.7	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2023 **Time:** 8:25:00 AM

Weather : Mostly Sunny

Temperature:	53	° F	Humidity:	78	%
Wind Magnitude:	3	mph	Wind Direction:	NNE	
Barometric Pressure:	30.14	in Hg	Precipitation:	0	"

Sampling Team: CS & SC

Sampling Location: OU-7, Apollo

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Busy street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	3800	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

			Duplicate Sample	
Starting Pressure:	-27	in. of Hg	-28	in. of Hg
Starting Time:	8:41:00 AM		9:57	
Ending Time:	9:21:00 AM		10:57	
Ending Pressure:	-4	in. of Hg	-6	in. of Hg
Summa Canister Identification #:	530		805	
Flow Regulator ID #:	900029		840487	
Sample ID #:	7.MP-2S		DUP_10182023	
Time:	40	min	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)			
Laboratory	Eurofins Lancaster			

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	4016		**Meter ID:**	3852		**Meter ID:**	2503	
LEL:	0	%	**LEL**	0	%	**CO2:**	0.3	%
CO:	0	ppm	**CO**	0	ppm	**O2:**	20.8	%
O2:	20.3	%	**O2:**	20.3	%	**CH4:**	0	%
VOC:	0.2	ppm	**VOC:**	0.2	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4356	
						CO2:	0.3	%
						O2:	20.7	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2023 **Time:** 8:30:00 AM

Weather : Mostly Sunny

Temperature:	53	° F	Humidity:	78	%
Wind Magnitude:	3	mph	Wind Direction:	N	
Barometric Pressure:	30.14	in Hg	Precipitation:	0	"

Sampling Team: CS & SC

Sampling Location: OU-7, Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Busy street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	4 min	
Helium Rate at enclosure:	3900	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28.5	in. of Hg
Starting Time:	8:36:00 AM	
Ending Time:	9:36:00 AM	
Ending Pressure:	-9	in. of Hg
Summa Canister Identification #:	528	
Flow Regulator ID #:	248253	
Sample ID #:	7.MP-2D	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	4016		**Meter ID:**	3852		**Meter ID:**	2503	
LEL:	0	%	**LEL:**	0	%	**CO2:**	3	%
CO:	7	ppm	**CO:**	0	ppm	**O2:**	17.2	%
O2:	16.9	%	**O2:**	16.9	%	**CH4:**	0	%
VOC:	0.3	ppm	**VOC:**	0.7	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4355	
						CO2:	3	%
						O2:	17.4	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/23/2023 **Time:** 8:45:00 AM

Weather : Sunny

Temperature:	48	° F	Humidity:	71	%
Wind Magnitude:	10	mph	Wind Direction:	NW	
Barometric Pressure:	30.11	in Hg	Precipitation:	0	"

Sampling Team: SC & LF

Sampling Location: OU-7, Varick St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Varick St corner, busy road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 mins	
Helium Rate at enclosure:	3100	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	8:56:00 AM	
Ending Time:	9:28:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1405	
Flow Regulator ID #:	824858	
Sample ID #:	7.MP-3S	
Time:	32	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	4016	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	18.2	%	**O2:**	18.2	%
VOC:	0	**ppm**	**VOC:**	0	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	4355	
CO2:	2.9	%
O2:	18.2	%
CH4:	0	%
Meter ID:	2503	
CO2:	3.5	%
O2:	18.3	%
CH4:	0	%

Soil Vapor Sampling Form

Date: 10/23/2023 **Time:** 8:43:00 AM

Weather : Sunny

Temperature:	48	° F	Humidity:	71	%
Wind Magnitude:	10	mph	Wind Direction:	NW	
Barometric Pressure:	30.11	in Hg	Precipitation:	0	"

Sampling Team: SC & LF

Sampling Location: OU-7, Varick St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Varick St corner, busy road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	4 mins	
Helium Rate at enclosure:	1575	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-30	in. of Hg
Starting Time:	8:49:00 AM	
Ending Time:	9:49:00 AM	
Ending Pressure:	-8	in. of Hg
Summa Canister Identification #:	1474	
Flow Regulator ID #:	399367	
Sample ID #:	7.MP-3D	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	4016		**Meter ID:**	4355	
LEL:	0	%	**LEL**	3	%	**CO2:**	4.3	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	17.2	%
O2:	17.1	%	**O2:**	17.1	%	**CH4:**	0	%
VOC:	0.4	**ppm**	**VOC:**	0.4	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	2503	
						CO2:	3.9	%
						O2:	17.5	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2023 **Time:** 12:45:00 PM

Weather : Cloudy

Temperature:	65	° F	Humidity:	58	%
Wind Magnitude:	3	mph	Wind Direction:	S	
Barometric Pressure:	30.14	in Hg	Precipitation:	-	"

Sampling Team: CM & ZS

Sampling Location: OU-7, Bridgewater St between Van Dam & Varick St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	9325	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	1:05:00 PM	
Ending Time:	2:05:00 PM	
Ending Pressure:	-16	in. of Hg
Summa Canister Identification #:	1508	
Flow Regulator ID #:	329159	
Sample ID #:	7.MP-4S	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3851		**Meter ID:**	1128	
LEL:	0	%	**LEL:**	0	%	**CO2:**	2.4	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	18.6	%
O2:	18.3	%	**O2:**	18.1	%	**CH4:**	0	%
VOC:	0.4	ppm	**VOC:**	0.3	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4083	
						CO2:	0.1	%
						O2:	21.1	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/31/2023 **Time:** 8:00:00 AM

Weather : Mostly Sunny

Temperature:	46	° F	Humidity:	73	%
Wind Magnitude:	8	mph	Wind Direction:	NE	
Barometric Pressure:	30.11	in Hg	Precipitation:	-	"

Sampling Team: CM & MV

Sampling Location: OU-7, Bridgewater St between Van Dam & Varick St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5min	
Helium Rate at enclosure:	13700	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-30	in. of Hg
Starting Time:	8:16:00 AM	
Ending Time:	9:16:00 AM	
Ending Pressure:	-10	in. of Hg
Summa Canister Identification #:	871	
Flow Regulator ID #:	900069	
Sample ID #:	7.MP-4D	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3852		**Meter ID:**	1345		**Meter ID:**	4355	
LEL:	0	%	**LEL:**	0	%	**CO2:**	18	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	2.4	%
O2:	3.6	%	**O2:**	3.7	%	**CH4:**	0.1	%
VOC:	1	ppm	**VOC:**	0.9	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	1128	
						CO2:	25.5	%
						O2:	6.7	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/18/2023 **Time:** 9:15:00 AM

Weather : Mostly Sunny

Temperature:	57	° F	Humidity:	75	%
Wind Magnitude:	3	mph	Wind Direction:	NNE	
Barometric Pressure:	30,16	in Hg	Precipitation:	-	"

Sampling Team: CM & ZS

Sampling Location: OU-7, Van Dam St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Faded marked out gasline nearby

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	7975	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	9:40:00 AM	
Ending Time:	10:40:00 AM	
Ending Pressure:	-6	in. of Hg
Summa Canister Identification #:	897	
Flow Regulator ID #:	236964	
Sample ID #:	7.MP-5S	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3851		**Meter ID:**	4083	
LEL:	0	%	**LEL:**	0	%	**CO2:**	3.6	%
CO:	0	ppm	**CO:**	0.5	ppm	**O2:**	16.8	%
O2:	16.7	%	**O2:**	16.7	%	**CH4:**	0	%
VOC:	0.7	ppm	**VOC:**	0.4	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	1128	
						CO2:	3.4	%
						O2:	17.4	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2023 **Time:** 9:15:00 AM

Weather : Mostly Sunny

Temperature:	57	° F	Humidity:	75	%
Wind Magnitude:	3	mph	Wind Direction:	NNE	
Barometric Pressure:	30.16	in Hg	Precipitation:	0	"

Sampling Team: CM & ZS

Sampling Location: OU-7, Van Dam St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Faded marked out gasline nearby

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 min	
Helium Rate at enclosure:	10000	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	9:38:00 AM	
Ending Time:	10:30:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1023	
Flow Regulator ID #:	966889	
Sample ID #:	7.MP-5D	
Time:	52	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3851		**Meter ID:**	1128	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.4	%
CO:	12	ppm	**CO:**	16	ppm	**O2:**	20.9	%
O2:	20.3	%	**O2:**	20.5	%	**CH4:**	0.2	%
VOC:	0.6	ppm	**VOC:**	0.3	ppm	**Meter ID:**	4083	
H2S:	0	ppm	**H2S:**	0	ppm	**CO2:**	0.7	%
						O2:	20.8	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2023 **Time:** 12:00:00 PM

Weather : Cloudy

Temperature:	64	° F	Humidity:	59	%
Wind Magnitude:	3	mph	Wind Direction:	S	
Barometric Pressure:	30.15	in Hg	Precipitation:	-	"

Sampling Team: CS & SC

Sampling Location: OU-7, Bridgewater St between Van Dam & Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Grate adjacent to point, towards Norman and Van Dam

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	2725	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	1:14:00 PM	
Ending Time:	2:14:00 PM	
Ending Pressure:	-4.5	in. of Hg
Summa Canister Identification #:	1512	
Flow Regulator ID #:	987984	
Sample ID #:	7.MP-6S	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3852		**Meter ID:**	4016		**Meter ID:**	2503	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.2	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	21	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0.4	ppm	**VOC:**	0.1	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4355	
						CO2:	0.3	%
						O2:	20.8	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2023 **Time:** 12:10:00 PM

Weather : Cloudy

Temperature:	64	° F	Humidity:	59	%
Wind Magnitude:	3	mph	Wind Direction:	S	
Barometric Pressure:	30.15	in Hg	Precipitation:	-	"

Sampling Team: CS & SC

Sampling Location: OU-7, Bridgewater St between Van Dam & Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Grate adjacent to point, towards Norman and Van Dam

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 min	
Helium Rate at enclosure:	1475	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	12:16:00 PM	
Ending Time:	1:16:00 PM	
Ending Pressure:	-12	in. of Hg
Summa Canister Identification #:	1117	
Flow Regulator ID #:	399368	
Sample ID #:	7.MP-6D	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

						Meter ID:	2503	
						CO2:	0.1	%
Meter ID:	3852		**Meter ID:**	4016		**O2:**	21.3	%
LEL:	0	%	**LEL:**	0	%	**CH4:**	0	%
CO:	0	ppm	**CO:**	0	ppm			
O2:	20.9	%	**O2:**	20.9	%	**Meter ID:**	4355	
VOC:	0.4	ppm	**VOC:**	0.1	ppm	**CO2:**	0.2	%
H2S:	0	ppm	**H2S:**	0	ppm	**O2:**	21.1	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 6:40:00 AM

Weather : Cloudy

Temperature:	50-64	° F	Humidity:	59	%
Wind Magnitude:	3	mph	Wind Direction:	S	
Barometric Pressure:	30.15	in Hg	Precipitation:	-	"

Sampling Team: CS & SC

Sampling Location: OU-7, Bridgewater St between Van Dam & Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Busy street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	--	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	--	Must be less than 0.2 L/min
Purge Time:	--	
Helium Rate at enclosure:	--	ppm
Helium Rate from sample tubing:	--	Is this rate <10% of the rate at the enclosure

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	6:43:00 AM	
Ending Time:	1:58:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	876	
Flow Regulator ID #:	82485	
Sample ID #:	7.MP-6_AMB	
Time:	7 hr 15	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

						Meter ID:	--	
						CO2:	--	%
Meter ID:	--		**Meter ID:**	--		**O2:**	--	%
LEL:	--	%	**LEL**	--	%	**CH4:**		%
CO:	--	**ppm**	**CO**	--	**ppm**			
O2:	--	%	**O2:**	--	%	**Meter ID:**	--	
VOC:	--	**ppm**	**VOC:**	--	**ppm**	**CO2:**	--	%
H2S:	--	**ppm**	**H2S:**	--	**ppm**	**O2:**	--	%
						CH4:	--	%

Soil Vapor Sampling Form

Date: 10/16/2023 **Time:** 11:30:00 AM

Weather : Partly Cloudy

Temperature:	57	° F	Humidity:	68	%
Wind Magnitude:	7	mph	Wind Direction:	NW	
Barometric Pressure:	29.64	in Hg	Precipitation:	0	"

Sampling Team: CM & ZS

Sampling Location: OU-7, Norman Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk location

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	12225	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes Batch**

Starting Pressure:	-27	in. of Hg
Starting Time:	11:57:00 AM	
Ending Time:	12:38:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1084	
Flow Regulator ID #:	958095	
Sample ID #:	7.MP-7S	
Time:	41	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	4016		**Meter ID:**	3851		**Meter ID:**	1128	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0	%
CO:	3	ppm	**CO:**	7	ppm	**O2:**	16.7	%
O2:	15.7	%	**O2:**	15.7	%	**CH4:**	0	%
VOC:	0.4	ppm	**VOC:**	1	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4083	
						CO2:	2.4	%
						O2:	16.1	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/16/2022 **Time:** 11:30:00 AM

Weather : Partly Cloudy

Temperature:	57	° F	Humidity:	68	%
Wind Magnitude:	7	mph	Wind Direction:	NW	
Barometric Pressure:	29.64	in Hg	Precipitation:	-	"

Sampling Team: CM & ZS

Sampling Location: OU-7, Norman Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 min	
Helium Rate at enclosure:	1650	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	11:56:00 AM	
Ending Time:	12:56:00 PM	
Ending Pressure:	-11	in. of Hg
Summa Canister Identification #:	1083	
Flow Regulator ID #:	252100	
Sample ID #:	7.MP-7D	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	4016		**Meter ID:**	3851		**Meter ID:**	1128	
LEL:	0	%	**LEL:**	0	%	**CO2:**	3.6	%
CO:	4	ppm	**CO:**	7	ppm	**O2:**	13.6	%
O2:	9.8	%	**O2:**	13.5	%	**CH4:**	0	%
VOC:	1.6	ppm	**VOC:**	1.2	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4083	
						CO2:	3.5	%
						O2:	13.5	%
						CH4:	0.0	%

Soil Vapor Sampling Form

Date: 10/25/2023 **Time:** 1:20:00 PM

Weather : Partly Cloudy

Temperature:	69	° F	Humidity:	53	%
Wind Magnitude:	8	mph	Wind Direction:	SW	
Barometric Pressure:	30.26	in Hg	Precipitation:	0	"

Sampling Team: BW & CS

Sampling Location: OU-7, Norman Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Busy Road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	3 mins	
Helium Rate at enclosure:	6575	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-30	in. of Hg
Starting Time:	1:32:00 PM	
Ending Time:	2:32:00 PM	
Ending Pressure:	-19	in. of Hg
Summa Canister Identification #:	1456	
Flow Regulator ID #:	342376	
Sample ID #:	7.MP-8S	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	4016		**Meter ID:**	3852		**Meter ID:**	1128	
LEL:	0	%	**LEL**	0	%	**CO2:**	5.2	%
CO:	4	**ppm**	**CO**	3	**ppm**	**O2:**	16.5	%
O2:	16.5	%	**O2:**	16.3	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0.3	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	2503	
						CO2:	4.7	%
						O2:	18	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2023 **Time:** 1:20:00 PM

Weather : Partly Cloudy

Temperature:	69	° F	Humidity:	53	%
Wind Magnitude:	8	mph	Wind Direction:	SW	
Barometric Pressure:	30.26	in Hg	Precipitation:	0	"

Sampling Team: BW & CS

Sampling Location: OU-7, Norman Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Busy Road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	2350	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-26	in. of Hg
Starting Time:	1:28:00 PM	
Ending Time:	2:16:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1345	
Flow Regulator ID #:	507696	
Sample ID #:	7.MP-8D	
Time:	48	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	4016		**Meter ID:**	3852		**Meter ID:**	1128	
LEL:	0	%	**LEL**	0	%	**CO2:**	4.8	%
CO:	0	**ppm**	**CO**	3	**ppm**	**O2:**	15.5	%
O2:	15.3	%	**O2:**	15	%	**CH4:**	0	%
VOC:	0.2	**ppm**	**VOC:**	0.1	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	2503	
						CO2:	5.1	%
						O2:	14.9	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/16/2023 **Time:** 1:50:00 PM

Weather : Partly Cloudy

Temperature:	64	° F	Humidity:	52	%
Wind Magnitude:	7	mph	Wind Direction:	NW	
Barometric Pressure:	29.62	in Hg	Precipitation:	0	"

Sampling Team: CM & ZS

Sampling Location: OU-7, Norman Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Sidewalk, corner of Hausman St and Norman Ave on Norman Side, busy street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2	
Helium Rate at enclosure:	11325	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	2:12:00 PM	
Ending Time:	3:10:00 PM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	1513	
Flow Regulator ID #:	809828	
Sample ID #:	7.MP-9S	
Time:	58	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3851		**Meter ID:**	4016		**Meter ID:**	1128	
LEL:	0	%	**LEL**	0	%	**CO2:**	0.2	%
CO:	3	**ppm**	**CO**	3	**ppm**	**O2:**	21.4	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	2.4	**ppm**	**VOC:**	1.9	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	4083	
						CO2:	0.3	%
						O2:	21.4	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/16/2023 **Time:** 1:50:00 PM

Weather : Partly Cloudy

Temperature:	64	° F	Humidity:	52	%
Wind Magnitude:	7	mph	Wind Direction:	NE	
Barometric Pressure:	29.62	in Hg	Precipitation:	0	"

Sampling Team: CM & ZS

Sampling Location: OU-7, Norman Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Sidewalk, corner of Hausman St and Norman Ave on Norman Side, busy street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	3400	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	2:18:00 PM	
Ending Time:	3:20:00 PM	
Ending Pressure:	-15	in. of Hg
Summa Canister Identification #:	801	
Flow Regulator ID #:	316950	
Sample ID #:	7.MP-9D	
Time:	62	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3851		**Meter ID:**	4016		**Meter ID:**	9083	
LEL:	0	%	**LEL**	0	%	**CO2:**	0.1	%
CO:	2	**ppm**	**CO**	3	**ppm**	**O2:**	21.4	%
O2:	19.2	%	**O2:**	19.2	%	**CH4:**	0	%
VOC:	2	**ppm**	**VOC:**	1.8	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	1128	
						CO2:	0.2	%
						O2:	21.4	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/17/2023 **Time:** 8:27:00 AM

Weather : Sunny

Temperature:	55	° F	Humidity:	80	%
Wind Magnitude:	6	mph	Wind Direction:	N	
Barometric Pressure:	29.89	in Hg	Precipitation:	0	"

Sampling Team: CS & SC

Sampling Location: OU-7, Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk adjacent to busy street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	5375	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	8:29:00 AM	
Ending Time:	9:03:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	849	
Flow Regulator ID #:	994010	
Sample ID #:	7.MP-10S	
Time:	34	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3852		**Meter ID:**	FA04355	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.2	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	21.6	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0.1	%
VOC:	0.4	ppm	**VOC:**	0.6	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	FA01128	
						CO2:	0.5	%
						O2:	21.3	%
						CH4:	0.2	%

Soil Vapor Sampling Form

Date: 10/17/2022 **Time:** 8:20:00 AM

Weather : Sunny

Temperature:	55	° F	Humidity:	80	%
Wind Magnitude:	6	mph	Wind Direction:	N	
Barometric Pressure:	29.89	in Hg	Precipitation:	0	"

Sampling Team: CS & SC

Sampling Location: OU-7, Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk adjacent to busy street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	4 min	
Helium Rate at enclosure:	5300	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	8:26:00 AM	
Ending Time:	9:20:00 AM	
Ending Pressure:	-8	in. of Hg
Summa Canister Identification #:	15:38	
Flow Regulator ID #:	824844	
Sample ID #:	7.MP-10D	
Time:	54	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3852		**Meter ID:**	4355	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.2	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	21.4	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0.4	ppm	**VOC:**	0.8	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	1128	
						CO2:	0.1	%
						O2:	21.4	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/17/2023 **Time:** 1:38:00 PM

Weather : Partly Cloudy

Temperature:	60	° F	Humidity:	56	%
Wind Magnitude:	6	mph	Wind Direction:	N	
Barometric Pressure:	29.92	in Hg	Precipitation:	-	"

Sampling Team: CS & SC

Sampling Location: OU-7, Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	5600	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-26	in. of Hg
Starting Time:	1:56:00 PM	
Ending Time:	2:56:00 PM	
Ending Pressure:	-13	in. of Hg
Summa Canister Identification #:	1113	
Flow Regulator ID #:	339179	
Sample ID #:	7.MP-11S	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

						Meter ID:	1128	
						CO2:	0.2	%
Meter ID:	3852		**Meter ID:**	1345		**O2:**	20.9	%
LEL:	0	%	**LEL:**	0	%	**CH4:**	0	%
CO:	0	ppm	**CO:**	2	ppm			
O2:	20.9	%	**O2:**	20.9	%	**Meter ID:**	4355	
VOC:	1	ppm	**VOC:**	0.4	ppm	**CO2:**	0.2	%
H2S:	0	ppm	**H2S:**	0	ppm	**O2:**	21	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/17/2023 **Time:** 1:37:00 PM

Weather : Partly Cloudy

Temperature:	60	° F	Humidity:	46	%
Wind Magnitude:	6	mph	Wind Direction:	N	
Barometric Pressure:	29.92	in Hg	Precipitation:	-	"

Sampling Team: CS & SC

Sampling Location: OU-7, Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	3 min	
Helium Rate at enclosure:	5150	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-27	in. of Hg
Starting Time:	1:49:00 PM	
Ending Time:	2:49:00 PM	
Ending Pressure:	-7	in. of Hg
Summa Canister Identification #:	1135	
Flow Regulator ID #:	342645	
Sample ID #:	7.MP-11D	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	FA01345		**Meter ID:**	FA03852		**Meter ID:**	FA01128	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.4	%
CO:	2	ppm	**CO:**	0	ppm	**O2:**	20.9	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0.3	ppm	**VOC:**	0.3	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	FA04355	
						CO2:	0.5	%
						O2:	20.9	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/16/2023 **Time:** 2:00:00 PM

Weather : Partly Cloudy

Temperature:	63	° F	Humidity:	54	%
Wind Magnitude:	7	mph	Wind Direction:	NNW	
Barometric Pressure:	29.62	in Hg	Precipitation:	0	"

Sampling Team: CS & SC

Sampling Location: OU-7, Hausman St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Hausman, sidewalk adjacent to busy road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	5700	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	2:27:00 PM	
Ending Time:	3:20:00 PM	
Ending Pressure:	-8	in. of Hg
Summa Canister Identification #:	875	
Flow Regulator ID #:	710593	
Sample ID #:	7.MP-12S	
Time:	53	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	FA03852		**Meter ID:**	FA01345		**Meter ID:**	FA04355	
LEL:	0	%	**LEL**	0	%	**CO2:**	0.1	%
CO:	3	**ppm**	**CO**	0	**ppm**	**O2:**	20.9	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	4.4	**ppm**	**VOC:**	3.3	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	FA02503	
						CO2:	0	%
						O2:	21.5	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/16/2023 **Time:** 2:05:00 PM

Weather : Partly Cloudy

Temperature:	63	° F	Humidity:	54	%
Wind Magnitude:	7	mph	Wind Direction:	NNW	
Barometric Pressure:	29.62	in Hg	Precipitation:	0	"

Sampling Team: CS & SC

Sampling Location: OU-7, Hausman St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Hausman, sidewalk adjacent to busy road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	3300	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	2:30:00 PM	
Ending Time:	3:20:00 PM	
Ending Pressure:	-5	in. of Hg
Summa Canister Identification #:	1469	
Flow Regulator ID #:	415317	
Sample ID #:	7.MP-12D	
Time:	50	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	FA01345		**Meter ID:**	FA03952	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	3	**ppm**
O2:	20.9	%	**O2:**	20.9	%
VOC:	2.1	**ppm**	**VOC:**	1.9	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	FA04355	
CO2:	0.2	%
O2:	20.9	%
CH4:	0	%
Meter ID:	FA02503	
CO2:	0	%
O2:	21.4	%
CH4:	0	%

Soil Vapor Sampling Form

Date: 10/23/2023 **Time:** 12:45:00 PM

Weather : Sunny

Temperature:	59	° F	Humidity:	55	%
Wind Magnitude:	9	mph	Wind Direction:	NW	
Barometric Pressure:	30.14	in Hg	Precipitation:	0	"

Sampling Team: CM & BW

Sampling Location: OU-7, Norman Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Norman Ave, sidewalk on corner of Apollo St

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	11250	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	1:00:00 PM	
Ending Time:	1:32:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1480	
Flow Regulator ID #:	399392	
Sample ID #:	7.MP-13D	
Time:	32	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3851		**Meter ID:**	3852	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	11.5	%	**O2:**	11.5	%
VOC:	0.1	**ppm**	**VOC:**	0	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	4083	
CO2:	8.7	%
O2:	11.2	%
CH4:	1.3	%
Meter ID:	1128	
CO2:	7.2	%
O2:	11.7	%
CH4:	0	%

Soil Vapor Sampling Form

Date: 10/17/2023 **Time:** 10:24:00 AM

Weather : Partly Cloudy

Temperature:	63	° F	Humidity:	56	%
Wind Magnitude:	6	mph	Wind Direction:	N	
Barometric Pressure:	29.92	in Hg	Precipitation:	0	"

Sampling Team: CS & SC

Sampling Location: OU-7, Hausman St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Hausman St, sidewalk adjacent to busy road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	3 mins	
Helium Rate at enclosure:	4125	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-30	in. of Hg
Starting Time:	10:30:00 AM	
Ending Time:	11:30:00 AM	
Ending Pressure:	-5	in. of Hg
Summa Canister Identification #:	504	
Flow Regulator ID #:	675034	
Sample ID #:	7.MP-15S	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3852	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	18.6	%	**O2:**	17.3	%
VOC:	0.3	**ppm**	**VOC:**	0.8	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	4355	
CO2:	3.4	%
O2:	18	%
CH4:	0	%
Meter ID:	1128	
CO2:	1.4	%
O2:	19.7	%
CH4:	0	%

Soil Vapor Sampling Form

Date: 10/17/2023 **Time:** 10:25:00 AM

Weather : Partly Cloudy

Temperature:	63	° F	Humidity:	56	%
Wind Magnitude:	6	mph	Wind Direction:	N	
Barometric Pressure:	29.92	in Hg	Precipitation:	0	"

Sampling Team: CS & SC

Sampling Location: OU-7, Hausman St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Hausman St, sidewalk adjacent to busy road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	
Sealed with bentonite:	Yes	approx. 3 ft - 5 ft above land surface)
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	3600	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	10:29:00 AM	
Ending Time:	11:29:00 AM	
Ending Pressure:	-15	in. of Hg
Summa Canister Identification #:	842	
Flow Regulator ID #:	342842	
Sample ID #:	7.MP-15D	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3852		**Meter ID:**	1345		**Meter ID:**	4355	
LEL:	0	%	**LEL**	0	%	**CO2:**	3.6	%
CO:	2	**ppm**	**CO**	0	**ppm**	**O2:**	17.1	%
O2:	17.5	%	**O2:**	17.3	%	**CH4:**	0	%
VOC:	0.8	**ppm**	**VOC:**	0.2	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	1128	
						CO2:	3.2	%
						O2:	17.7	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/17/2023 **Time:** 6:40

Weather : Partly Cloudy

Temperature:	50-64	° F	Humidity:	56	%
Wind Magnitude:	6	mph	Wind Direction:	N	
Barometric Pressure:	29.92	in Hg	Precipitation:	0	"

Sampling Team: CS+SC

Sampling Location: OU-7, Hausman St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Hausman St, sidewalk adjacent to busy road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	--	
Sealed with bentonite:	Yes	approx. 3 ft - 5 ft above land surface)
Apparent Moisture Content:	N/A	
Purge Rate:	--	Must be less than 0.2 L/min
Purge Time:	--	
Helium Rate at enclosure:	--	ppm
Helium Rate from sample tubing:	--	Is this rate <10% of the rate at the enclosure

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	6:43:00 AM	
Ending Time:	13:58:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	876	
Flow Regulator ID #:	82485	
Sample ID #:	7.MP-15_AMB	
Time:	7 Hours 15	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

						Meter ID:	--	
						CO2:	--	%
Meter ID:	--		**Meter ID:**	--		**O2:**	--	%
LEL:	--	%	**LEL:**	--	%	**CH4:**		%
CO:	--	**ppm**	**CO:**	--	**ppm**			
O2:	--	%	**O2:**	--	%	**Meter ID:**	--	
VOC:	--	**ppm**	**VOC:**	--	**ppm**	**CO2:**	--	%
H2S:	--	**ppm**	**H2S:**	--	**ppm**	**O2:**	--	%
						CH4:	--	%

Soil Vapor Sampling Form

Date: 10/24/2023 **Time:** 1:19:00 PM

Weather : Sunny

Temperature:	63	° F	Humidity:	53	%
Wind Magnitude:	7	mph	Wind Direction:	SSW	
Barometric Pressure:	30.35	in Hg	Precipitation:	-	"

Sampling Team: SC

Sampling Location: OU-7, Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Busy traffic, sidewalk on Apollo Street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	4 min	
Helium Rate at enclosure:	7150	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-30	in. of Hg
Starting Time:	1:24:00 PM	
Ending Time:	2:24:00 PM	
Ending Pressure:	-15	in. of Hg
Summa Canister Identification #:	892	
Flow Regulator ID #:	338069	
Sample ID #:	7.MP-16S	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3852		**Meter ID:**	1345		**Meter ID:**	4083	
LEL:	0	%	**LEL:**	0	%	**CO2:**	1.5	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	19.8	%
O2:	19.7	%	**O2:**	19.7	%	**CH4:**	0	%
VOC:	0.3	ppm	**VOC:**	0	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	1128	
						CO2:	1.4	%
						O2:	19.8	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/24/2023 **Time:** 12:55:00 PM

Weather : Sunny

Temperature:	63	° F	Humidity:	53	%
Wind Magnitude:	7	mph	Wind Direction:	SSW	
Barometric Pressure:	30.35	in Hg	Precipitation:	-	"

Sampling Team: SC

Sampling Location: OU-7, Apollo Street

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Busy street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 min	
Helium Rate at enclosure:	7350	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-30	in. of Hg
Starting Time:	1:15:00 PM	
Ending Time:	2:01:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	860	
Flow Regulator ID #:	570523	
Sample ID #:	7.MP-16D	
Time:	46	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3852		**Meter ID:**	1345		**Meter ID:**	4083	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.5	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20.8	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0	ppm	**VOC:**	0	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	1128	
						CO2:	0.4	%
						O2:	20.8	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2023 **Time:** 1:15:00 PM

Weather : Sunny

Temperature:	69	° F	Humidity:	31	%
Wind Magnitude:	8	mph	Wind Direction:	SW	
Barometric Pressure:	30.25	in Hg	Precipitation:	-	"

Sampling Team: CM & SC

Sampling Location: OU-7, Van Dam St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	3525	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	1:33:00 PM	
Ending Time:	2:04:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	831	
Flow Regulator ID #:	900016	
Sample ID #:	7.MP-17S	
Time:	31	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3851		**Meter ID:**	4355	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.7	%
CO:	2	ppm	**CO:**	0	ppm	**O2:**	20.2	%
O2:	20.9	%	**O2:**	20.5	%	**CH4:**	0	%
VOC:	0.2	ppm	**VOC:**	0.1	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4083	
						CO2:	0.6	%
						O2:	20.3	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2023 **Time:** 1:15:00 PM

Weather : Sunny

Temperature:	69	° F	Humidity:	31	%
Wind Magnitude:	8	mph	Wind Direction:	SW	
Barometric Pressure:	30.25	in Hg	Precipitation:	0	"

Sampling Team: CM & SC

Sampling Location: OU-7, Van Dam St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 min	
Helium Rate at enclosure:	10850	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	13:38:00 PM	
Ending Time:	14:28:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1020	
Flow Regulator ID #:	336796	
Sample ID #:	7.MP-17D	
Time:	50	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3851		**Meter ID:**	1345		**Meter ID:**	4083	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.7	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20.8	%
O2:	20.4	%	**O2:**	20.5	%	**CH4:**	0	%
VOC:	0.1	ppm	**VOC:**	0.2	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4355	
						CO2:	0.7	%
						O2:	20.3	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/23/2023 **Time:** 8:20:00 AM

Weather : Sunny

Temperature:	46-62	° F	Humidity:	72	%
Wind Magnitude:	9	mph	Wind Direction:	NW	
Barometric Pressure:	30.10	in Hg	Precipitation:	0	"

Sampling Team: CM & BW

Sampling Location: OU-7, Hausman St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Hausman St, sidewalk adjacent to busy road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	11275	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Individual)**

Starting Pressure:	-30	in. of Hg
Starting Time:	9:23:00 AM	
Ending Time:	10:23:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1349	
Flow Regulator ID #:	836419	
Sample ID #:	7.MP-27	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3851		**Meter ID:**	3852		**Meter ID:**	4083	
LEL:	0	%	**LEL**	0	%	**CO2:**	2	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	19.8	%
O2:	19.5	%	**O2:**	19.9	%	**CH4:**	1.3	%
VOC:	0	**ppm**	**VOC:**	0.4	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	1128	
						CO2:	1.6	%
						O2:	20.2	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/26/2023 **Time:** 1:47:00 PM

Weather : Partly Cloudy

Temperature:	77	° F	Humidity:	48	%
Wind Magnitude:	5	mph	Wind Direction:	SSW	
Barometric Pressure:	30.18	in Hg	Precipitation:	0	"

Sampling Team: BW & CS

Sampling Location: OU-7, Hausman St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Hausman St, sidewalk adjacent to busy road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	4150	ppm
Helium Rate from sample tubing:	10700	Is this rate <10% of the rate at the enclosure **No**

***Helium test failed due to helium detector detecting methane. Methane presence confirmed with Landtec meter prior to sampling.**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Individual)**

Starting Pressure:	-29	in. of Hg
Starting Time:	1:48:00 PM	
Ending Time:	2:42:00 PM	
Ending Pressure:	-6	in. of Hg
Summa Canister Identification #:	1196	
Flow Regulator ID #:	304037	
Sample ID #:	7.MP-28	
Time:	54	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	4016		**Meter ID:**	2503	
LEL:	99	%	**LEL**	99	%	**CO2:**	10.6	%
CO:	10	**ppm**	**CO**	13	**ppm**	**O2:**	2.5	%
O2:	1.6	%	**O2:**	2.3	%	**CH4:**	55	%
VOC:	0.3	**ppm**	**VOC:**	0	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	1128	
						CO2:	9.1	%
						O2:	1.2	%
						CH4:	38.4	%

Soil Vapor Sampling Form

Date: 10/20/2023 **Time:** 12:45:00 PM

Weather : Cloudy

Temperature:	65	° F	Humidity:	88	%
Wind Magnitude:	12	mph	Wind Direction:	S	
Barometric Pressure:	29.72	in Hg	Precipitation:	.65 last 6hr	"

Sampling Team: CS & SC

Sampling Location: OU-7, Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Apollo St by RW-24, sidewalk adjacent to busy street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	3 min	
Helium Rate at enclosure:	12800	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Individual)**

Starting Pressure:	-28.5	in. of Hg
Starting Time:	12:48:00 PM	
Ending Time:	1:20:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	868	
Flow Regulator ID #:	900132	
Sample ID #:	7.MP-30	
Time:	32	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

						Meter ID:	4083	
						CO2:	5.2	%
Meter ID:	3852		**Meter ID:**	4016		**O2:**	15.2	%
LEL:	0	%	**LEL**	0	%	**CH4:**	0.1	%
CO:	0	**ppm**	**CO**	5	**ppm**			
O2:	14.5	%	**O2:**	14.7	%	**Meter ID:**	4355	
VOC:	0	**ppm**	**VOC:**	0	**ppm**	**CO2:**	5.9	%
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**O2:**	14.3	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/20/2022 **Time:** 12:30:00 PM

Weather : Cloudy

Temperature:	65	° F	Humidity:	87	%
Wind Magnitude:	12	mph	Wind Direction:	S	
Barometric Pressure:	29.72	in Hg	Precipitation:	0.55	"

Sampling Team: CM & ZS

Sampling Location: OU-7, Apollo St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	5675	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Individual)**

Starting Pressure:	-25.5	in. of Hg
Starting Time:	12:44:00 PM	
Ending Time:	1:15:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1283	
Flow Regulator ID #:	824854	
Sample ID #:	7.MP-31	
Time:	31	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

						Meter ID:	1228	
						CO2:	4.8	%
Meter ID:	1345		**Meter ID:**	3851		**O2:**	15.5	%
LEL:	0	%	**LEL**	0	%	**CH4:**	0	%
CO:	0	**ppm**	**CO**	1.1	**ppm**			
O2:	14.5	%	**O2:**	14.6	%	**Meter ID:**	2503	
VOC:	0	**ppm**	**VOC:**	0.3	**ppm**	**CO2:**	4.8	%
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**O2:**	14.6	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/27/2023 **Time:** 10:35:00 AM

Weather : Cloudy

Temperature:	65	° F	Humidity:	72	%
Wind Magnitude:	5	mph	Wind Direction:	SW	
Barometric Pressure:	30.13	in Hg	Precipitation:	0	"

Sampling Team: BW & CS

Sampling Location: OU-7, Van Dam St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Van Dam St, sidewalk adjacent to busy street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	4550	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Individual)**

Starting Pressure:	-27	in. of Hg
Starting Time:	10:48:00 AM	
Ending Time:	11:40:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1180	
Flow Regulator ID #:	848487	
Sample ID #:	7.MP-33	
Time:	52	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	4016		**Meter ID:**	1345		**Meter ID:**	1128	
LEL:	0	%	**LEL**	0	%	**CO2:**	4.5	%
CO:	0	**ppm**	**CO**	2	**ppm**	**O2:**	16.6	%
O2:	16.6	%	**O2:**	16.6	%	**CH4:**	0	%
VOC:	0.3	**ppm**	**VOC:**	0.2	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	4355	
						CO2:	3.6	%
						O2:	16.4	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/27/2022 **Time:** 6:45

Weather : Cloudy

Temperature:	60-65	° F	Humidity:	72	%
Wind Magnitude:	5	mph	Wind Direction:	SW	
Barometric Pressure:	30.13	in Hg	Precipitation:	0	"

Sampling Team: CS & BW

Sampling Location: OU-7, Van Dam St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Van Dam St, sidewalk adjacent to busy street

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	--	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	--	Must be less than 0.2 L/min
Purge Time:	--	
Helium Rate at enclosure:	--	ppm
Helium Rate from sample tubing:	--	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Individual)**

Starting Pressure:	-29	in. of Hg
Starting Time:	6:54:00 AM	
Ending Time:	3:42:00 PM	
Ending Pressure:	-5	in. of Hg
Summa Canister Identification #:	1270	
Flow Regulator ID #:	338029	
Sample ID #:	7.MP-33_AMB	
Time:	8 hr 48	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

						Meter ID:	--	
						CO2:	--	%
Meter ID:	--		**Meter ID:**	--		**O2:**	--	%
LEL:	--	%	**LEL:**	--	%	**CH4:**		%
CO:	--	**ppm**	**CO:**	--	**ppm**			
O2:	--	%	**O2:**	--	%	**Meter ID:**	--	
VOC:	--	**ppm**	**VOC:**	--	**ppm**	**CO2:**	--	%
H2S:	--	**ppm**	**H2S:**	--	**ppm**	**O2:**	--	%
						CH4:	--	%

Soil Vapor Sampling Form

Date: 10/25/2023 **Time:** 10:50:00 AM

Weather : Sunny

Temperature:	61	° F	Humidity:	66	%
Wind Magnitude:	8	mph	Wind Direction:	SW	
Barometric Pressure:	30.31	in Hg	Precipitation:	0	"

Sampling Team: BW & CS

Sampling Location: OU-7, Norman Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Norman Ave by Kingsland Ave in front of blue door, sidewalk adjacent to busy road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	4250	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	11:00:00 AM	
Ending Time:	11:53:00 AM	
Ending Pressure:	-16	in. of Hg
Summa Canister Identification #:	1496	
Flow Regulator ID #:	930824	
Sample ID #:	7.MP-64	
Time:	53	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	4016		**Meter ID:**	3852		**Meter ID:**	1128	
LEL:	0	%	**LEL**	0	%	**CO2:**	16.6	%
CO:	11	**ppm**	**CO**	5	**ppm**	**O2:**	4	%
O2:	3.3	%	**O2:**	2.6	%	**CH4:**	0	%
VOC:	0.2	**ppm**	**VOC:**	0.1	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	2503	
						CO2:	16.6	%
						O2:	1.5	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/24/2023 **Time:** 10:30:00 AM

Weather : Sunny

Temperature:	55	° F	Humidity:	69	%
Wind Magnitude:	2	mph	Wind Direction:	SW	
Barometric Pressure:	30.39	in Hg	Precipitation:	0	"

Sampling Team: SC

Sampling Location: OU-7, Meeker Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Busy road

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	2025	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	10:38:00 AM	
Ending Time:	11:38:00 AM	
Ending Pressure:	-15	in. of Hg
Summa Canister Identification #:	1081	
Flow Regulator ID #:	11839	
Sample ID #:	7.MP-68	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

						Meter ID:	4083	
						CO2:	3.7	%
Meter ID:	3852		**Meter ID:**	1345		**O2:**	15.4	%
LEL:	0	%	**LEL**	0	%	**CH4:**	0	%
CO:	3	**ppm**	**CO**	2	**ppm**			
O2:	15.2	%	**O2:**	15.2	%	**Meter ID:**	1128	
VOC:	0.2	**ppm**	**VOC:**	0	**ppm**	**CO2:**	3.5	%
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**O2:**	15.7	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/24/2023 **Time:** 10:55:00 AM

Weather : Sunny

Temperature:	56	° F	Humidity:	68	%
Wind Magnitude:	3	mph	Wind Direction:	SW	
Barometric Pressure:	30.34	in Hg	Precipitation:	0	"

Sampling Team: CM&BW

Sampling Location: OU-7, Meeker Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Meeker Ave, sidewalk adjacent to busy road, near RW-C and SVE well

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 mins	
Helium Rate at enclosure:	7250	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-30	in. of Hg
Starting Time:	11:13:00 AM	
Ending Time:	12:20:00 PM	
Ending Pressure:	-20	in. of Hg
Summa Canister Identification #:	1401	
Flow Regulator ID #:	958062	
Sample ID #:	7.MP-71S	
Time:	67	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3851		**Meter ID:**	4016		**Meter ID:**	2503	
LEL:	0	%	**LEL**	0	%	**CO2:**	0.1	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	20.4	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0.2	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	4355	
						CO2:	0.1	%
						O2:	21.7	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/24/2023 **Time:** 10:55:00 AM

Weather : Sunny

Temperature:	56	° F	Humidity:	68	%
Wind Magnitude:	3	mph	Wind Direction:	SW	
Barometric Pressure:	30.39	in Hg	Precipitation:	0	"

Sampling Team: CM & BW

Sampling Location: OU-7, Meeker Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Meeker Ave, sidewalk adjacent to busy road, near RW-C and SVE well

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	10000	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	11:07:00 AM	
Ending Time:	12:07:00 PM	
Ending Pressure:	-9.5	in. of Hg
Summa Canister Identification #:	827	
Flow Regulator ID #:	339239	
Sample ID #:	7.MP-71D	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3851		**Meter ID:**	4016		**Meter ID:**	2503	
LEL:	0	%	**LEL**	0	%	**CO2:**	0.1	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	20.7	%
O2:	20.7	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0.1	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	4355	
						CO2:	0.2	%
						O2:	21	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/24/2023 **Time:** 06:40

Weather : Rainy

Temperature:	56	° F	Humidity:	68	%
Wind Magnitude:	3	mph	Wind Direction:	SW	
Barometric Pressure:	30.39	in Hg	Precipitation:	0	"

Sampling Team: CM & BW

Sampling Location: OU-7, Meeker Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Meeker Ave, sidewalk adjacent to busy road, near RW-C and SVE well

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	--	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	--	Must be less than 0.2 L/min
Purge Time:	--	
Helium Rate at enclosure:	--	ppm
Helium Rate from sample tubing:	--	Is this rate <10% of the rate at the enclosure

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	6:41:00 AM	
Ending Time:	1:49:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1457	
Flow Regulator ID #:	11827	
Sample ID #:	7.MP-71_AMB	
Time:	7 hr 8	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	--		**Meter ID:**	--		**Meter ID:**	--	
LEL:	--	%	**LEL:**	--	%	**CO2:**	--	%
CO:	--	ppm	**CO:**	--	ppm	**O2:**	--	%
O2:	--	%	**O2:**	--	%	**CH4:**		%
VOC:	--	ppm	**VOC:**	--	ppm			
H2S:	--	ppm	**H2S:**	--	ppm	**Meter ID:**	--	
						CO2:	--	%
						O2:	--	%
						CH4:	--	%

Soil Vapor Sampling Form

Date: 10/24/2023 **Time:** 8:00:00 AM

Weather : Sunny

Temperature:	47	° F	Humidity:	84	%
Wind Magnitude:	2	mph	Wind Direction:	NE	
Barometric Pressure:	30.37	in Hg	Precipitation:	0	"

Sampling Team: CM&BW

Sampling Location: OU-7, Bridgewater St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):
Bridgewater St, sidewalk next to ORS treatment system

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 mins	
Helium Rate at enclosure:	3625	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.
Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

			Duplicate Sample
Starting Pressure:	-28	in. of Hg	**Starting Pressure:** -27
Starting Time:	8:20:00 AM		**Starting Time:** 9:08
Ending Time:	8:55:00 AM		**Ending Time:** 9:59
Ending Pressure:	-4	in. of Hg	**Ending Pressure:** -4
Summa Canister Identification #:	521		**Summa Canister Identification #:** 1525
Flow Regulator ID #:	303485		**Flow Regulator ID #:** 329160
Sample ID #:	7.MP-72S		**Sample ID #:** DUP_102423
Time:	35	min	**Time:** 51
Analysis	Methane (EPA 18) and VOCs (TO-15)		
Laboratory	Eurofins Lancaster		

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3851		**Meter ID:**	4016		**Meter ID:**	2503	
LEL:	0	%	**LEL**	0	%	**CO2:**	2.5	%
CO:	5	ppm	**CO**	0	ppm	**O2:**	19.3	%
O2:	19.2	%	**O2:**	19	%	**CH4:**	0	%
VOC:	0	ppm	**VOC:**	0.1	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4355	
						CO2:	2.7	%
						O2:	19	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/24/2023 **Time:** 8:00:00 AM

Weather : Sunny

Temperature:	47	° F	Humidity:	84	%
Wind Magnitude:	2	mph	Wind Direction:	NE	
Barometric Pressure:	30.37	in Hg	Precipitation:	0	"

Sampling Team: CM&BW

Sampling Location: OU-7, Bridgewater St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Bridgewater St, sidewalk next to ORS treatment system

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	9325	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-27.5	in. of Hg
Starting Time:	8:27:00 AM	
Ending Time:	9:27:00 AM	
Ending Pressure:	-15	in. of Hg
Summa Canister Identification #:	1261	
Flow Regulator ID #:	303925	
Sample ID #:	7.MP-72D	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3851		**Meter ID:**	4016		**Meter ID:**	4355	
LEL:	8	%	**LEL**	7	%	**CO2:**	13.4	%
CO:	6	**ppm**	**CO**	5	**ppm**	**O2:**	0	%
O2:	14.5	%	**O2:**	2.2	%	**CH4:**	1.1	%
VOC:	2.6	**ppm**	**VOC:**	4.9	**ppm**			
H2S:	0.8	**ppm**	**H2S:**	3.4	**ppm**	**Meter ID:**	2503	
						CO2:	12.7	%
						O2:	0	%
						CH4:	1.1	%

Soil Vapor Sampling Form

Date: 10/24/2023 **Time:** 8:49:00 AM

Weather : Sunny

Temperature:	50	° F	Humidity:	75	%
Wind Magnitude:	2	mph	Wind Direction:	NE	
Barometric Pressure:	30.38	in Hg	Precipitation:	0	"

Sampling Team: SC

Sampling Location: OU-7, Stewart Ave and Thomas St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Stewart and Thomas, garbage facility close by

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	4 mins	
Helium Rate at enclosure:	2.3%	
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	8:54:00 AM	
Ending Time:	9:54:00 AM	
Ending Pressure:	-16	in. of Hg
Summa Canister Identification #:	1244	
Flow Regulator ID #:	250410	
Sample ID #:	7.MP-73S	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

						Meter ID:	4083	
						CO2:	8.1	%
Meter ID:	3852		**Meter ID:**	1345		**O2:**	15.2	%
LEL:	0	%	**LEL**	0	%	**CH4:**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**			
O2:	14.4	%	**O2:**	14.8	%	**Meter ID:**	1128	
VOC:	0.3	**ppm**	**VOC:**	0	**ppm**	**CO2:**	7	%
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**O2:**	15.9	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/24/2023 **Time:** 8:48:00 AM

Weather : Sunny

Temperature:	50	° F	Humidity:	75	%
Wind Magnitude:	2	mph	Wind Direction:	NE	
Barometric Pressure:	30.38	in Hg	Precipitation:	0	"

Sampling Team: SC

Sampling Location: OU-7, Stewart Ave and Thomas St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Stewart and Thomas, garbage facility close by

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	9900	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-26	in. of Hg
Starting Time:	8:55:00 AM	
Ending Time:	9:27:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1426	
Flow Regulator ID #:	336714	
Sample ID #:	7.MP-73D	
Time:	32	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	3852		**Meter ID:**	1345		**Meter ID:**	4083	
LEL:	0	%	**LEL**	0	%	**CO2:**	21.9	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	0.7	%
O2:	1.7	%	**O2:**	1.7	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	1128	
						CO2:	18.7	%
						O2:	2.5	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2023 **Time:** 8:25:00 AM

Weather : Sunny

Temperature:	52	° F	Humidity:	78	%
Wind Magnitude:	7	mph	Wind Direction:	SW	
Barometric Pressure:	30.32	in Hg	Precipitation:	0	"

Sampling Team: SC & CM

Sampling Location: OU-8, Corner of Island Transportation

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Corner of Island Transportation property, high traffic

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 mins	
Helium Rate at enclosure:	11275	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	8:29:00 AM	
Ending Time:	9:18:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1478	
Flow Regulator ID #:	339240	
Sample ID #:	8.MP-78S	
Time:	49	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3851	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	7	**ppm**
O2:	20.9	%	**O2:**	20.9	%
VOC:	0	**ppm**	**VOC:**	0	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	4355	
CO2:	0.2	%
O2:	20.7	%
CH4:	0	%
Meter ID:	4083	
CO2:	0.2	%
O2:	20.8	%
CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2023 **Time:** 8:10:00 AM

Weather : Sunny

Temperature:	52	° F	Humidity:	78	%
Wind Magnitude:	7	mph	Wind Direction:	SW	
Barometric Pressure:	30.32	in Hg	Precipitation:	0	"

Sampling Team: CM & SC

Sampling Location: OU-8, Corner of Island Transportation

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Corner of Island Transportation property, high traffic

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	9975	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.
Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	8:30:00 AM	
Ending Time:	9:05:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1189	
Flow Regulator ID #:	329349	
Sample ID #:	8.MP-78D	
Time:	35	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3851		**Meter ID:**	4355	
LEL:	0	%	**LEL**	0	%	**CO2:**	1.2	%
CO:	0	**ppm**	**CO**	7	**ppm**	**O2:**	19.5	%
O2:	19.4	%	**O2:**	20.3	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0	**ppm**			
H2S:	0	**ppm**	**H2S**	0	**ppm**	**Meter ID:**	4083	
						CO2:	1.5	%
						O2:	19.5	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2023 **Time:** 9:40:00 AM

Weather : Partly Cloudy

Temperature:	57	° F	Humidity:	71	%
Wind Magnitude:	7	mph	Wind Direction:	SW	
Barometric Pressure:	30.35	in Hg	Precipitation:	0	"

Sampling Team: CM & SC

Sampling Location: OU-8, Gardner Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	16775	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	9:52:00 AM	
Ending Time:	10:52:00 AM	
Ending Pressure:	-8	in. of Hg
Summa Canister Identification #:	1372	
Flow Regulator ID #:	900087	
Sample ID #:	8.MP-76S	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3851		**Meter ID:**	4355	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.4	%
CO:	3	ppm	**CO:**	2	ppm	**O2:**	20.1	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0	ppm	**VOC:**	0	ppm	**Meter ID:**	4083	
H2S:	0	ppm	**H2S:**	0	ppm	**CO2:**	0.4	%
						O2:	20.4	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2023 **Time:** 9:40:00 AM

Weather : Partly Cloudy

Temperature:	57	° F	Humidity:	71	%
Wind Magnitude:	7	mph	Wind Direction:	SW	
Barometric Pressure:	30.33	in Hg	Precipitation:	-	"

Sampling Team: CM & SC

Sampling Location: OU-8, Gardner Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Sidewalk

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 min	
Helium Rate at enclosure:	8000	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

			Duplicate Sample
Starting Pressure:	-28	in. of Hg	-28
Starting Time:	9:49:00 AM		10:21:00 AM
Ending Time:	10:20:00 AM		10:51:00 AM
Ending Pressure:	-4	in. of Hg	-4
Summa Canister Identification #:	1516		879
Flow Regulator ID #:	824833		415277
Sample ID #:	8.MP-76D		DUP_102523
Time:	31	min	30
Analysis	Methane (EPA 18) and VOCs (TO-15)		
Laboratory	Eurofins Lancaster		

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	3851		**Meter ID:**	4355	
LEL:	0	%	**LEL:**	0	%	**CO2:**	1.7	%
CO:	3	ppm	**CO:**	3	ppm	**O2:**	18.3	%
O2:	18.9	%	**O2:**	19.8	%	**CH4:**	0	%
VOC:	0.1	ppm	**VOC:**	0	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	4083	
						CO2:	1.7	%
						O2:	18.7	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 12/29/2023 **Time:** 11:50:00 AM

Weather : Sunny

Temperature:	53	° F	Humidity:	77	%
Wind Magnitude:	7	mph	Wind Direction:	W	
Barometric Pressure:	29.66	in Hg	Precipitation:	<0.05	"

Sampling Team: CM & ZS

Sampling Location: OU-8, Meeker Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Heavy traffic

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	2 min	
Helium Rate at enclosure:	6575	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-29	in. of Hg
Starting Time:	11:59:00 AM	
Ending Time:	12:59:00 PM	
Ending Pressure:	-9	in. of Hg
Summa Canister Identification #:	1372	
Flow Regulator ID #:	930824	
Sample ID #:	8.MP-77S	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	0998		**Meter ID:**	5822		**Meter ID:**	4355	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.3	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	21.5	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0	ppm	**VOC:**	0	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	1128	
						CO2:	0.3	%
						O2:	21.1	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 12/27/2023 **Time:** 8:40:00 AM

Weather : Sunny

Temperature:	46	° F	Humidity:	88	%
Wind Magnitude:	6	mph	Wind Direction:	NE	
Barometric Pressure:	30.10	in Hg	Precipitation:	0.5 in last 24hr	"

Sampling Team: CM & SC

Sampling Location: OU-8, Meeker Ave

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Heavy traffic area

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	5-6	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 min	
Helium Rate at enclosure:	7475	%
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28.5	in. of Hg
Starting Time:	8:49:00 AM	
Ending Time:	9:49:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1273	
Flow Regulator ID #:	958119	
Sample ID #:	8.MP-77D	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

						Meter ID:	4355	
						CO2:	0.1	%
Meter ID:	0998		**Meter ID:**	5822		**O2:**	20.6	%
LEL:	0	%	**LEL:**	0	%	**CH4:**	0	%
CO:	0	ppm	**CO:**	0	ppm			
O2:	19.5	%	**O2:**	19.6	%	**Meter ID:**	1128	
VOC:	0	ppm	**VOC:**	0	ppm	**CO2:**	0.2	%
H2S:	0	ppm	**H2S:**	0	ppm	**O2:**	20	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2023 **Time:** 6:30

Weather : Cloudy/Rain

Temperature:	50-71	° F	Humidity:	71	%
Wind Magnitude:	7	mph	Wind Direction:	SW	
Barometric Pressure:	30.35	in Hg	Precipitation:	0	"

Sampling Team: CM & BW

Sampling Location: OU-8, Corner of Island Transportation

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

Corner of Island Transportation property, high traffic

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	--	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	--	Must be less than 0.2 L/min
Purge Time:	--	
Helium Rate at enclosure:	--	ppm
Helium Rate from sample tubing:	--	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-30	in. of Hg
Starting Time:	6:37:00 AM	
Ending Time:	2:42:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1115	
Flow Regulator ID #:	399395	
Sample ID #:	8.MP-76_AMB	
Time:	8 hr 5	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	--		**Meter ID:**	--		**Meter ID:**	--	
LEL:	--	%	**LEL**	--	%	**CO2:**	--	%
CO:	--	ppm	**CO**	--	ppm	**O2:**	--	%
O2:	--	%	**O2:**	--	%	**CH4:**		%
VOC:	--	ppm	**VOC:**	--	ppm			
H2S:	--	ppm	**H2S:**	--	ppm	**Meter ID:**	--	
						CO2:	--	%
						O2:	--	%
						CH4:	--	%

Soil Vapor Sampling Form

Date: 10/25/2023 **Time:** 9:05:00 AM

Weather : Sunny

Temperature:	54	° F	Humidity:	78	%
Wind Magnitude:	7	mph	Wind Direction:	SW	
Barometric Pressure:	30.32	in Hg	Precipitation:	0	"

Sampling Team: BW & CS

Sampling Location: OU-8, Inside Island Transportation

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are present):

Parking lot

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	2-3	feet below land surface (If ambient air sample, elevate can to
Sealed with bentonite:	Yes	approx. 3 ft - 5 ft above land surface)
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	3 min	
Helium Rate at enclosure:	2125	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28.5	in. of Hg
Starting Time:	9:15:00 AM	
Ending Time:	10:15:00 AM	
Ending Pressure:	-16	in. of Hg
Summa Canister Identification #:	1378	
Flow Regulator ID #:	305774	
Sample ID #:	8.MP-80	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	4016		**Meter ID:**	3852		**Meter ID:**	2503	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.2	%
CO:	7	ppm	**CO:**	7	ppm	**O2:**	20.3	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0.1	ppm	**VOC:**	0.2	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	1128	
						CO2:	0.2	%
						O2:	21.3	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/23/2023 **Time:** 12:54:00 PM

Weather : Sunny

Temperature:	59	° F	Humidity:	55	%
Wind Magnitude:	9	mph	Wind Direction:	NNW	
Barometric Pressure:	30.14	in Hg	Precipitation:	0	"

Sampling Team: SC & LF

Sampling Location: OU-7, 38 Varick St

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. & what type of basements are

38 Varick parking lot, mulch cover

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing. Calibrate the Helium detection meter

Utility Clearance Completed:	Yes	
Sampling Depth:	7-8	feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)
Sealed with bentonite:	Yes	
Apparent Moisture Content:	N/A	
Purge Rate:	200	Must be less than 0.2 L/min
Purge Time:	5 mins	
Helium Rate at enclosure:	6075	ppm
Helium Rate from sample tubing:	0	Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min. Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean? **Yes (Batch)**

Starting Pressure:	-28	in. of Hg
Starting Time:	1:00:00 PM	
Ending Time:	2:00:00 PM	
Ending Pressure:	-12	in. of Hg
Summa Canister Identification #:	1154	
Flow Regulator ID #:	675039	
Sample ID #:	7.MP-81	
Time:	60	min
Analysis	Methane (EPA 18) and VOCs (TO-15)	
Laboratory	Eurofins Lancaster	

After the sample is collected in the summa canister, remove the summa canister and screen the sample tubing with redundant multi-gas meters. Calibrate the multi-gas meters prior to screening and record parameters.

Meter ID:	1345		**Meter ID:**	4016	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	8.1	%	**O2:**	8.4	%
VOC:	0	**ppm**	**VOC:**	0	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	4355	
CO2:	4.5	%
O2:	7.4	%
CH4:	0	%
Meter ID:	2503	
CO2:	4.1	%
O2:	7.4	%
CH4:	0	%

ATTACHMENT 3

Data Usability Summary Report

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
harry@frontiernet.net

March 4, 2024; Revised April 7, 2024

Matthw Mueller
Roux Environmental Engineering and Geology, D. P. C.
209 Shafter St
Islandia, NY 11747

RE: ExxonMobil Greenpoint Petroleum Remediation Project – OU_7/8 Annual Event
Validation of the Analytical Laboratory Data and Data Usability Summary Report (DUSR)
Eurofins Lancaster SDG Nos. 410-147627-1, 410-148144-1, 410-148415-1,410-148799-1, 410-148990-2, 410-149315-1, 410-155889-1, and 410-156149-1

Dear Mr. Mueller:

Review has been completed for the data packages generated by Eurofins Lancaster Laboratories that pertain to air samples collected between 10/16/23 and 12/29/23 at the ExxonMobil Greenpoint site. Fifty seven air samples and three field duplicates were collected in 6-L summa canister samples and analyzed for volatile analytes by USEPA method TO-15 and methane by method USEPA method EPA 18.

Data validation was performed with guidance from the USEPA Region 2 SOP HW-31, with consideration for the requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Canister Pressures
* Holding Times
* Internal Standard Recoveries
* Method and Canister Blanks
* Blind Field Duplicate Correlations
* Laboratory Control Samples (LCSs)
* Instrumental Tunes
* Calibration Standards
* Method Compliance
* Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedure, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with project requirements.

In summary, sample processing was primarily conducted in compliance with, and adherence to, protocol requirements. Samples results are usable either as reported or with minor qualification or edit.

Data completeness, accuracy, precision, representativeness, comparability, and sensitivity are acceptable.

Validation qualifier definitions and the client and laboratory identifications are attached to this text. Also included are the client EQuIS EDDs with recommended validation qualifiers and edits applied.

Chain-of-Custodies/Sample Receipt

Discrepancies on custody forms in the collection date of one sample and the flow controller ID of five samples was resolved at sample receipt.

The SDG 410-155889-1 laboratory case narrative discussion regarding canister/flow controller identifications does not seem to apply to the sample reported in that data package.

Volatiles by EPA TO-15

The reported detections of acetone and cyclohexane in 7.MP-4D are edited to reflect non-detection at the reporting limit. The mass spectra do not support the identifications, with the base peaks (used in the quantitative calculating) reflecting large matrix interferences. The lack of qualitative identification is based on review of the secondary and tertiary mass fragment responses and the interference fragments.

Similarly, the reported detection of THF in 8.MP-77D is edited to non-detection due to poor mass spectral quality/identification.

The blind field duplicate evaluations were performed on 7_MP-2S, 7_MP-72S, and 8_MP-76D. The correlations are within the validation action guidelines.

Canisters for 7_MP-71S, 7_MP-8S, and 7_MP-7D were received with significant residual vacuum (>-15”Hg). Therefore, results for these canisters are qualified as estimated, with a potential low bias.

Holding times and instrument tunes meet requirements. Internal standard recoveries are compliant. Blanks show no contamination affecting sample reports.

Initial and continuing calibration standard responses were within validation guidelines, with all response factors (RRFs) above 0.05 and linearity within the 30%RSD limit. The continuing calibration responses are below 30%D.

Many of the samples were processed at great dilution due to the relatively very high concentrations of hydrocarbons such as isooctane (2,2,4-trimethylpentane), isopropanol and cyclohexane. This results in proportionally elevated reporting limits for all compounds.

Some of the mass spectra of sample detections show non-subtractive interferences from the sample matrix.

Methane by EPA-18

The detected value of methane in 7.MP-33-AMB is qualified as estimated, with a high bias, due to apparent over-integration of the response. The low level detected value of methane in 8.MP-77S is edited to non-detection due to poor integration.

The blind field duplicate evaluations were performed on 7_MP-2S, 7_MP-72S, and 8_MP-76D. The correlations are within the validation action guidelines.

Calibration standards show acceptable correlations, and holding times were met. Blanks show no contamination affecting sample reported results.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Att: Validation Data Qualifier Definitions
Client and Laboratory Sample Identifications
Qualified EQuIS EDDs

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Identification Summary

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: EMGPRP-31907

Job ID: 410-147627-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-147627-1	7.MP-1S	Air	10/16/23 11:59	10/18/23 21:00	Air Canister (6-Liter) #1227
410-147627-2	7.MP-1D	Air	10/16/23 12:28	10/18/23 21:00	Air Canister (6-Liter) #1424
410-147627-3	7.MP-7S	Air	10/16/23 12:38	10/18/23 21:00	Air Canister (6-Liter) #1184
410-147627-4	7.MP-7D	Air	10/16/23 12:56	10/18/23 21:00	Air Canister (6-Liter) #1083
410-147627-5	7.MP-9S	Air	10/16/23 15:10	10/18/23 21:00	Air Canister (6-Liter) #1513
410-147627-6	7.MP-9D	Air	10/16/23 15:20	10/18/23 21:00	Air Canister (6-Liter) #801
410-147627-7	7.MP-10S	Air	10/17/23 09:03	10/18/23 21:00	Air Canister (6-Liter) #849
410-147627-8	7.MP-10D	Air	10/17/23 09:10	10/18/23 21:00	Air Canister (6-Liter) #1538
410-147627-9	7.MP-12S	Air	10/16/23 15:20	10/18/23 21:00	Air Canister (6-Liter) #875
410-147627-10	7.MP-12D	Air	10/16/23 15:20	10/18/23 21:00	Air Canister (6-Liter) #1469
410-147627-11	7.MP-15S	Air	10/17/23 11:30	10/18/23 21:00	Air Canister (6-Liter) #504
410-147627-12	7.MP-15D	Air	10/17/23 11:29	10/18/23 21:00	Air Canister (6-Liter) #842
410-147627-13	7.MP-5D	Air	10/18/23 10:30	10/18/23 21:00	Air Canister (6-Liter) #1023
410-147627-14	7.MP-5S	Air	10/18/23 10:40	10/18/23 21:00	Air Canister (6-Liter) #897
410-147627-15	7.MP-6-AMB	Air	10/18/23 14:21	10/18/23 21:00	Air Canister (6-Liter) #1504
410-147627-16	7.MP-4S	Air	10/18/23 14:05	10/18/23 21:00	Air Canister (6-Liter) #1508
410-147627-17	7.MP-2D	Air	10/18/23 09:36	10/18/23 21:00	Air Canister (6-Liter) #528
410-147627-18	7.MP-2S	Air	10/18/23 09:21	10/18/23 21:00	Air Canister (6-Liter) #530
410-147627-19	DUP_10182023	Air	10/18/23 10:57	10/18/23 21:00	Air Canister (6-Liter) #805
410-147627-20	7.MP-6S	Air	10/18/23 14:14	10/18/23 21:00	Air Canister (6-Liter) #1512
410-147627-21	7.MP-6D	Air	10/18/23 13:16	10/18/23 21:00	Air Canister (6-Liter) #1117
410-147627-22	7.MP-11D	Air	10/17/23 14:49	10/18/23 21:00	Air Canister (6-Liter) #1135
410-147627-23	7.MP-11S	Air	10/17/23 14:56	10/18/23 21:00	Air Canister (6-Liter) #1113
410-147627-24	7.MP-15-AMB	Air	10/17/23 13:58	10/18/23 21:00	Air Canister (6-Liter) #876

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: EMGPRP-31907

Job ID: 410-148144-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-148144-1	7.MP-30	Air	10/20/23 13:20	10/20/23 18:40	Air Canister (6-Liter) #868
410-148144-2	7.MP-31	Air	10/20/23 13:15	10/20/23 18:40	Air Canister (6-Liter) #1283

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: EMGPRP-31907

Job ID: 410-148415-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-148415-1	7.MP-3S	Air	10/23/23 09:28	10/24/23 19:10	Air Canister (6-Liter) #1405
410-148415-2	7.MP-3D	Air	10/23/23 09:49	10/24/23 19:10	Air Canister (6-Liter) #1474
410-148415-3	7.MP-13D	Air	10/23/23 13:32	10/24/23 19:10	Air Canister (6-Liter) #1480
410-148415-4	7.MP-27	Air	10/23/23 10:23	10/24/23 19:10	Air Canister (6-Liter) #1349
410-148415-5	7.MP-81	Air	10/23/23 14:00	10/24/23 19:10	Air Canister (6-Liter) #1154
410-148415-6	7.MP-73S	Air	10/24/23 09:54	10/24/23 19:10	Air Canister (6-Liter) #1244
410-148415-7	7.MP-73D	Air	10/24/23 09:27	10/24/23 19:10	Air Canister (6-Liter) #1426
410-148415-8	7.MP-68	Air	10/24/23 11:38	10/24/23 19:10	Air Canister (6-Liter) #1081
410-148415-9	7.MP-71D	Air	10/24/23 12:07	10/24/23 19:10	Air Canister (6-Liter) #827
410-148415-10	7.MP-71-AMB	Air	10/24/23 13:49	10/24/23 19:10	Air Canister (6-Liter) #1457
410-148415-11	7.MP-71S	Air	10/24/23 12:20	10/24/23 19:10	Air Canister (6-Liter) #1401
410-148415-12	7.MP-72D	Air	10/24/23 09:27	10/24/23 19:10	Air Canister (6-Liter) #1261
410-148415-13	7.MP-72S	Air	10/24/23 08:55	10/24/23 19:10	Air Canister (6-Liter) #521
410-148415-14	DUP-102423	Air	10/24/23 09:59	10/24/23 19:10	Air Canister (6-Liter) #1525
410-148415-15	7.MP-16D	Air	10/24/23 14:01	10/24/23 19:10	Air Canister (6-Liter) #860
410-148415-16	7.MP-16S	Air	10/24/23 14:24	10/24/23 19:10	Air Canister (6-Liter) #892

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: EMGPRP-31907

Job ID: 410-148799-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-148799-1	7.MP-17D	Air	10/25/23 14:28	10/26/23 21:15	Air Canister (6-Liter) #1020
410-148799-2	7.MP-17S	Air	10/25/23 14:04	10/26/23 21:15	Air Canister (6-Liter) #831
410-148799-3	DUP_102523	Air	10/25/23 10:51	10/26/23 21:15	Air Canister (6-Liter) #879
410-148799-4	8.MP-76D	Air	10/25/23 10:20	10/26/23 21:15	Air Canister (6-Liter) #1516
410-148799-5	8.MP-76S	Air	10/25/23 10:52	10/26/23 21:15	Air Canister (6-Liter) #1372
410-148799-6	8.MP-78D	Air	10/25/23 09:05	10/26/23 21:15	Air Canister (6-Liter) #1189
410-148799-7	8.MP-78S	Air	10/25/23 09:18	10/26/23 21:15	Air Canister (6-Liter) #1478
410-148799-8	8.MP-80	Air	10/25/23 10:15	10/26/23 21:15	Air Canister (6-Liter) #1378
410-148799-9	7.MP-64	Air	10/25/23 11:53	10/26/23 21:15	Air Canister (6-Liter) #1496
410-148799-10	7.MP-8D	Air	10/25/23 14:16	10/26/23 21:15	Air Canister (6-Liter) #1345
410-148799-11	7.MP-8S	Air	10/25/23 14:32	10/26/23 21:15	Air Canister (6-Liter) #1456
410-148799-12	8.MP-76-AMB	Air	10/25/23 14:22	10/26/23 21:15	Air Canister (6-Liter) #1115
410-148799-13	7.MP-28	Air	10/26/23 14:42	10/26/23 21:15	Air Canister (6-Liter) #1196

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: EMGPRP-31907

Job ID: 410-148990-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-148990-6	7.MP-33	Air	10/27/23 11:40	10/27/23 21:00	Air Canister (6-Liter) #1180
410-148990-7	7.MP-33-AMB	Air	10/27/23 14:34	10/27/23 21:00	Air Canister (6-Liter) #1270

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: EMGPRP-31907

Job ID: 410-149315-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-149315-1	7.MP-4D	Air	10/31/23 09:16	10/31/23 18:45	Air Canister (6-Liter) #871

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 410-155889-1
Project/Site: EMGPRP-31907

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-155889-1	8.MP-77D	Air	12/27/23 09:49	12/27/23 18:15	Air Canister (6-Liter) #1273

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: EMGPRP-31907

Job ID: 410-156149-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-156149-1	8.MP-77S	Air	12/29/23 12:59	12/29/23 16:45	Air Canister (6-Liter) #1372

PLATES

1. Benzene Concentrations in Soil Vapor, Fourth Quarter 2023
2. Methane Concentrations in Soil Vapor, Fourth Quarter 2023
3. SVE System Layout

LEGEND

7.MP-1 (SG-1) ●	LOCATION AND DESIGNATION OF NESTED PERMANENT SOIL VAPOR MONITORING POINT (2 PER LOCATION, 1 SHALLOW AND 1 DEEP); CORRESPONDING HISTORICAL, TEMPORARY SOIL VAPOR SAMPLING POINT IN PARENTHESES, IF APPLICABLE
8.MP-79 ●	LOCATION AND DESIGNATION OF SHALLOW PERMANENT SOIL VAPOR MONITORING POINT
7.MP-81 ●	LOCATION AND DESIGNATION OF DEEP PERMANENT SOIL VAPOR MONITORING POINT
8.MP-75 ●	LOCATION AND DESIGNATION OF MONITORING POINT NOT SAMPLED FOR INVESTIGATION IN 2021
7.MP-6-AMB ◓	LOCATION AND DESIGNATION OF AMBIENT SAMPLE LOCATION
SVE-704 ⊕	LOCATION AND DESIGNATION OF ACTIVE SOIL VAPOR EXTRACTION WELL USED FOR THE FULL SCALE SYSTEM
RW-C ⊕	LOCATION AND DESIGNATION OF ACTIVE VACUUM-ENHANCED RECOVERY (VER) WELL
0.52 J	BENZENE CONCENTRATION IN ug/m³ AT SHALLOW SAMPLING INTERVAL
0.49 J	BENZENE CONCENTRATION IN ug/m³ AT DEEP SAMPLING INTERVAL
	NOTE: SHALLOW SOIL VAPOR MONITORING POINTS ARE SCREENED FROM 2-3 FT BLS. DEEP SOIL VAPOR MONITORING POINTS ARE SCREENED FROM 7-8 FT BLS WITH THE EXCEPTION OF 8.MP-77D, WHICH IS SCREENED FROM 6-7 FT BLS. AMBIENT SAMPLES ARE COLLECTED APPROXIMATELY 5 FEET UPWIND OF THE RESPECTIVE SOIL VAPOR MONITORING POINT.
J	ESTIMATED VALUE
U	INDICATES THE ANALYTE WAS ANALYZED FOR BUT NOT DETECTED
NS	NOT SAMPLED
FT BLS	FEET BELOW LAND SURFACE
ug/m³	MICROGRAMS PER CUBIC METER
	EXISTING BUILDING / STRUCTURE
	CURRENT APPROXIMATE AREAL EXTENT OF SVE SYSTEM INFLUENCE BASED ON METHANE AND VOC CONCENTRATIONS, % OF LEL REDUCTION AND/OR VACUUM RESPONSE AS MEASURED
	APPROXIMATE EXTENT OF FREE-PRODUCT THICKNESS (BASED ON OCTOBER 11, 2022 APPARENT FREE-PRODUCT THICKNESS MEASUREMENTS IN THE REGIONAL AQUIFER)
	OU-7 SOUTHERN OFF-SITE AREA
	OU-8 EASTERN OFF-SITE AREA
	EXTENT OF RESIDENTIAL AREA

NOTES

1. 7.MP-74 WAS DESTROYED DUE TO THE KOSCIUSKO BRIDGE PROJECT IN SOUTHERN OU-7/OU-8.
2. THE EMGPRP OU DESCRIPTIONS CONTAINED IN THE ABOVE LEGEND ARE GENERAL DESCRIPTIONS AND ARE NOT MEANT TO BE COMPLETE, DETAILED DESCRIPTION OF EACH OU. FOR ADDITIONAL INFORMATION REGARDING EACH OU, PLEASE REFER TO PRIOR EMGPRP REPORTS SUBMITTED TO THE NYSDEC.
3. FOURTH QUARTER 2022 SOIL VAPOR SAMPLING ACTIVITIES WERE CONDUCTED IN OU-7/OU-8 FROM OCTOBER 17 THROUGH NOVEMBER 4, 2022.
4. 8.MP-79 WAS DAMAGED BY THIRD-PARTY ACTIVITIES, THEREFORE, IT WAS NOT SAMPLED DURING THE FOURTH QUARTER 2022 SOIL VAPOR SAMPLING EVENT.

200' 0 200'

Title:

BENZENE CONCENTRATIONS IN SOIL VAPOR, FOURTH QUARTER 2023

SOIL VAPOR SAMPLING - OU-7/OU-8
GREENPOINT, BROOKLYN, NEW YORK

Prepared for:
EXXONMOBIL OIL CORPORATION
BROOKLYN, NEW YORK

ROUX

Compiled by: M.M.	Date: 17APR24	PLATE 1
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: C.P.	Project: 0172.0030Y0101	
File: 0172.0030E5074.07.DWG		

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LEGEND

- 7.MP-1 (SG-1) — LOCATION AND DESIGNATION OF NESTED PERMANENT SOIL VAPOR MONITORING POINT (2 PER LOCATION, 1 SHALLOW AND 1 DEEP); CORRESPONDING HISTORICAL, TEMPORARY SOIL VAPOR SAMPLING POINT IN PARENTHESES, IF APPLICABLE
- 8.MP-79 — LOCATION AND DESIGNATION OF SHALLOW PERMANENT SOIL VAPOR MONITORING POINT
- 7.MP-81 — LOCATION AND DESIGNATION OF DEEP PERMANENT SOIL VAPOR MONITORING POINT
- 8.MP-75 — LOCATION AND DESIGNATION OF MONITORING POINT NOT SAMPLED FOR INVESTIGATION IN 2021
- 7.MP-6-AMB — LOCATION AND DESIGNATION OF AMBIENT SAMPLE LOCATION
- SVE-704 — LOCATION AND DESIGNATION OF ACTIVE SOIL VAPOR EXTRACTION WELL USED FOR THE FULL SCALE SYSTEM
- RW-C — LOCATION AND DESIGNATION OF ACTIVE VACUUM-ENHANCED RECOVERY (VER) WELL
- 3.8 J — METHANE CONCENTRATION IN mg/m³ AT SHALLOW SAMPLING INTERVAL
- 3.8 J — METHANE CONCENTRATION IN mg/m³ AT DEEP SAMPLING INTERVAL

NOTE: SHALLOW SOIL VAPOR MONITORING POINTS ARE SCREENED FROM 2-3 FT BLS. DEEP SOIL VAPOR MONITORING POINTS ARE SCREENED FROM 7-8 FT BLS WITH THE EXCEPTION OF 8.MP-77D, WHICH IS SCREENED FROM 6-7 FT BLS. AMBIENT SAMPLES ARE COLLECTED APPROXIMATELY 5 FEET UPWIND OF THE RESPECTIVE SOIL VAPOR MONITORING POINT.

- J — ESTIMATED VALUE
- B — INDICATES ANALYTE WAS FOUND IN BLANK AND SAMPLE
- U — INDICATES THE ANALYTE WAS ANALYZED FOR BUT NOT DETECTED
- NS — NOT SAMPLED
- FT BLS — FEET BELOW LAND SURFACE
- mg/m³ — MILLIGRAMS PER CUBIC METER
- EXISTING BUILDING / STRUCTURE
- CURRENT APPROXIMATE AREAL EXTENT OF SVE SYSTEM INFLUENCE BASED ON METHANE AND VOC CONCENTRATIONS, % OF LEL REDUCTION AND/OR VACUUM RESPONSE AS MEASURED
- APPROXIMATE EXTENT OF FREE-PRODUCT THICKNESS (BASED ON OCTOBER 11, 2022 APPARENT FREE-PRODUCT THICKNESS MEASUREMENTS IN THE REGIONAL AQUIFER)
- OU-7 SOUTHERN OFF-SITE AREA
- OU-8 EASTERN OFF-SITE AREA
- EXTENT OF RESIDENTIAL AREA

NOTES

1. 7.MP-74 WAS DESTROYED DUE TO THE KOSCIUSKO BRIDGE PROJECT IN SOUTHERN OU-7/OU-8.
2. THE EMGPRP OU DESCRIPTIONS CONTAINED IN THE ABOVE LEGEND ARE GENERAL DESCRIPTIONS AND ARE NOT MEANT TO BE COMPLETE, DETAILED DESCRIPTION OF EACH OU. FOR ADDITIONAL INFORMATION REGARDING EACH OU, PLEASE REFER TO PRIOR EMGPRP REPORTS SUBMITTED TO THE NYSDEC.
3. FOURTH QUARTER 2022 SOIL VAPOR SAMPLING ACTIVITIES WERE CONDUCTED IN OU-7/OU-8 FROM OCTOBER 17 THROUGH NOVEMBER 4, 2022.
4. 8.MP-79 WAS DAMAGED BY THIRD-PARTY ACTIVITIES, THEREFORE, IT WAS NOT SAMPLED DURING THE FOURTH QUARTER 2022 SOIL VAPOR SAMPLING EVENT.

200' 0 200'

Title:

METHANE CONCENTRATIONS IN SOIL VAPOR, FOURTH QUARTER 2023

SOIL VAPOR SAMPLING - OU-7/OU-8
GREENPOINT, BROOKLYN, NEW YORK

Prepared for:
EXXONMOBIL OIL CORPORATION
BROOKLYN, NEW YORK

ROUX

Compiled by: M.M.	Date: 17APR24	PLATE
Prepared by: G.M.	Scale: AS SHOWN	2
Project Mgr: C.P.	Project: 0172.0030Y101	
File: 0172.0030E5074.08.DWG		

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RECOVERY AND CONTAINMENT SYSTEM (RCS)

NEWTOWN CREEK

RW-18
SVE-502
SVE-504
SVE-505
SVE-506
SVE-508
RW-17
SVE-507
SVE-501
SVE-503
RW-28
SVE-708
SVE-703
SVE-705
SVE-706
SVE-707
SVE-704
RW-21
SVE-709
SVE-710
SVE-711
SVE-712
SVE-713
SVE-817
SVE-814
SVE-815
SVE-816
SVE-818
RW-F
OFF-SITE FREE PRODUCT RECOVERY SYSTEM (ORS)
APPROXIMATE LOCATION OF FLAME-OX UNIT
SVE-714
RW-C
RW-24

500 0 500'

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LEGEND

- SVE-704 — ACTIVE PHASE I SOIL VAPOR EXTRACTION (SVE) WELL USED FOR THE FULL SCALE SYSTEM
- SVE-503 — ACTIVE PHASE II SVE WELL USED FOR THE FULL SCALE SYSTEM
- SVE-817 — ACTIVE PHASE III SVE WELL USED FOR THE FULL SCALE SYSTEM
- SVE-705 — EXISTING SVE WELL NOT USED FOR THE FULL SCALE SYSTEM
- RW-24 — ACTIVE VACUUM-ENHANCED RECOVERY (VER) WELL
- SVE PIPING
- APPROXIMATE LOCATION OF FLAME-OX UNIT
- EMGPRP SITE BOUNDARY

LEGEND

- OU-1 FORMER LUBE PLANT
- OU-2 FORMER NORTHERN CRUDE YARD
- OU-3 460 KINGSLAND AVENUE
- OU-4 FORMER BROOKLYN TERMINAL
- OU-5 FORMER REFINERY PROPERTIES
- OU-6 WESTERN OFF-SITE AREA
- OU-7 SOUTHERN OFF-SITE AREA
- OU-8 EASTERN OFF-SITE AREA

Title:

SVE SYSTEM LAYOUT

EXXONMOBIL
GREENPOINT PETROLEUM REMEDIATION PROJECT
GREENPOINT, BROOKLYN, NEW YORK

Prepared for:
EXXONMOBIL OIL CORPORATION
BROOKLYN, NEW YORK

ROUX

Compiled by: B.F.	Date: 02/21/22	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	10
Project Mgr: C.L.	Project: 0172.0030Y080	
File: 0172.0030Y4818.2.mxd		