E&PS

February 20, 2023

Ms. Kati Liloia
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7013

Re: Soil Vapor Report – Fourth Quarter 2022
Operable Unit 7 (OU-7) and Operable Unit 8 (OU-8)
ExxonMobil Greenpoint Petroleum Remediation Project
Greenpoint, Brooklyn, New York

Dear Ms. Liloia:

Attached is the Fourth Quarter 2022 Soil Vapor Report summarizing results of sampling activities that were conducted within Operable Unit 7 (OU-7) and Operable Unit 8 (OU-8) in Greenpoint Brooklyn, New York. This report has been prepared in accordance with the Corrective Action Plan (CAP) included as Exhibit 2 of the Consent Decree between the State of New York and ExxonMobil filed on March 1, 2011, in the United States District Court, Eastern District of New York (CD COD-AOD 10-133).

Should there be any questions or comments on this submission, please do not hesitate to contact me at (201) 232-4417.

Sincerely,

Michael Burghardt
US East Supervisor

cc: Celeste S. Quiralte, ExxonMobil
Andrew Baris, Roux Environmental Engineering and Geology, D.P.C.
Christopher Proce, Roux Environmental Engineering and Geology, D.P.C.
Andrew G. Frank, Esq., New York State Office of the Attorney General
Deborah Gorman, NYSDEC
Michael Murphy, NYSDEC
Richard Webster, Riverkeeper
Mike Dulong, Riverkeeper
Todd Ommen, Esq., Pace University School of Law

ExxonMobil

February 20, 2023

Mr. Michael Burghardt
U.S. East Supervisor
ExxonMobil Environmental and Property Solutions Company
1900 East Linden Avenue
Linden, New Jersey 07036

Re: Soil Vapor Sampling – Fourth Quarter 2022
Operable Units 7 and 8
ExxonMobil Greenpoint Petroleum Remediation Project
Brooklyn, New York

Dear Mr. Burghardt:

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 2022 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 2022 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 September 2022.

The packages consisted of a notification letter and the latest soil vapor report (i.e., the Fourth Quarter 2021 Report). The packages were sent to the property owners within the notification area via Walsh Messenger Service (i.e., courier service), FedEx, or by hand delivery. A table listing the properties that were sent notification packages and copies of the mail receipts are presented in Attachment 1.

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

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 2022 sampling event. The locations of OU-7 and OU-8 are shown in Figure 1.

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. Four existing recovery wells (RW-21, RW-24, RW-C, and RW-F) were operating with VER in OU-7 and OU-8 during the Fourth Quarter 2022 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, and RW-F on June 28, 2022. 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 2022 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 28, November 18, and December 29, 2022. The utility manhole screening results were typically non-detect for both VOCs and LEL readings. Where VOCs and/or LEL readings were detected, the concentrations were not at levels that would be typically indicative of a vapor intrusion issue. Additional details are provided in Quarterly and Annual Progress Reports.

Summary of Soil Vapor Sampling Activities

Fourth Quarter 2022 soil vapor sampling activities were conducted within the OU-7 and OU-8 soil vapor monitoring network from October 17, 2022 through November 4, 2022. The soil vapor monitoring network for the Fourth Quarter 2022 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 2022 sampling event included sampling and screening of fifty-three (53) 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; and
- One (1) monitoring point in OU-8 (8.MP-79) was damaged during third-party activities, therefore, this location was not sampled during the Fourth Quarter 2022 soil vapor sampling event. 8.MP-79 will be evaluated for re-installation prior to the Fourth Quarter 2023 soil vapor 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 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 monitoring point 8.MP-77D (6 to 7 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 2022 sampling event, as follows:

- The duplicate sample DUP-10202022 was collected from monitoring point 7.MP-28;
- The duplicate sample DUP-10172022 was collected from monitoring point 7.MP-1D; and
- The duplicate sample DUP-10192022 was collected from monitoring point 8.MP-80.

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

Five (5) representative ambient air samples were collected during the Fourth Quarter 2022 sampling event. Four (4) 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-als) 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-6-AMB was collected on October 18, 2022, upwind of monitoring point 7.MP-6 in the Commercial/ Industrial Area of OU-7;
- Ambient air sample 7.MP-15-AMB was collected on October 26, 2022, upwind of monitoring point cluster 7.MP-15 in the Commercial/ Industrial Area of OU-7;
- Ambient air sample 7.MP-33-AMB was collected on October 20, 2022, upwind of monitoring point cluster 7.MP-33 in the Commercial/ Industrial Area of OU-7;
- Ambient air sample 7.MP-71-AMB was collected on October 25, 2022, upwind of monitoring point 7.MP-71 in the Residential Area of OU-7; and
- Ambient air sample 8.MP-78-AMB was collected on October 21, 2022, upwind of monitoring point 8.MP-78 in the Commercial/ Industrial Area of OU-8.

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 2022 included building walk-throughs of two buildings within OU-8 (958-970 Meeker Avenue and 570 Gardner Avenue) on November 3 and November 4, 2022, 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 2021 and Fourth Quarter 2022 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 2022 sampling event are documented and summarized as follows:

- Table 1 provides a comparison of soil vapor screening data from the Fourth Quarter 2021 and Fourth Quarter 2022 sampling events;
- Table 2 summarizes indoor air screening data for the Fourth Quarter 2021 and Fourth Quarter 2022 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 2022 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 2022 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 three (3) 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 2022 sampling event. The concentrations of benzene detected within the Residential Area ranged from approximately 0.44 µg/m^3 at monitoring point 7.MP-30 to a maximum concentration of approximately 3.2 µg/m^3 at monitoring point 7.MP-27.

All detections of benzene within the Residential Area during the Fourth Quarter 2022 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 1.2 mg/m^3 at monitoring point 7.MP-27 to a maximum of 9.1 mg/m^3 at monitoring point 7.MP-31.

Although methane was not detected at 7.MP-28 during the Fourth Quarter 2022 sampling event, sampling events in 2014 through 2021 typically showed elevated methane concentrations at this location. 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 previous elevated methane concentrations detected at monitoring point 7.MP-28 were 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.

All detections of methane within the Residential Area during the Fourth Quarter 2022 sampling event were below the 8,180 mg/m^3 Site-specific soil vapor screening comparison value. 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-one (21) of the forty-eight (48) samples collected from the Commercial /Industrial Areas of OU-7 and OU-8 during the Fourth Quarter of 2022. Seven (7) 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-17S and 8.MP-78S to approximately 1.7 µg/m^3 at 7.MP-78S. All detections of benzene within the Commercial/ Industrial Areas during the Fourth Quarter 2022 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 2022 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-five (25) of the forty-eight (48) samples collected from the Commercial/ Industrial Areas of OU-7 and OU-8 during the Fourth Quarter of 2022. The detections were reported at concentrations comparable to recent previous sampling events. Apart from monitoring point 7.MP-72D, all concentrations of methane were detected below the 8,180 mg/m^3 Site-specific comparison value and ranged from approximately 0.68 mg/m^3 at monitoring points 7.MP-11D to approximately 380 mg/m^3 at monitoring point 7.MP-4D. Monitoring point 7.MP-72D exceeded the Site-specific comparison value with a concentration of approximately 10,000 mg/m^3 and 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 2022 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 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 2022 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 2022 sampling event: 7.MP-6-AMB, 7.MP-33-AMB, 7.MP-71-AMB, and 8.MP-78-AMB. Benzene detections in ambient air samples ranged from approximately 0.67 µg/m^3 in ambient sample 7.MP-33-AMB to a maximum of 3.3 µg/m^3 in ambient sample 8.MP-78-AMB, which is consistent with the Fourth Quarter 2021 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 2022 sampling event. Methane detections in ambient air samples ranged from approximately 1.2 mg/m^3 in ambient sample 7.MP-33-AMB to 10 mg/m^3 in ambient sample 7.MP-15-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 2022 were reported at concentrations below or comparable to the levels detected during the Fourth Quarter of 2021. Consistent with previous EMGPRP soil vapor sampling events, petroleum-related hydrocarbons were present in the OU-7 area. During the 2022 sampling event, 2,2,4-Trimethylpentane, cyclohexane, n-heptane, and n-hexane had the highest concentrations of detected VOCs. Also consistent with previous sampling events, acetone 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 380 $\mu g/m^3$ at the monitoring point 7.MP-3D, and the highest reported concentration of TCE was approximately 220 $\mu g/m^3$ at monitoring point 7.MP-16D.

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 (NLP). 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 2022 sampling event. The duplicate samples, DUP-10172022, DUP-10192022, and DUP-10202022, were collected from monitoring points 7.MP-1D, 8.MP-80, and 7.MP-28, 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 November 3 and 4, 2022 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, all meter readings for VOCs, methane (as percent LEL), carbon monoxide, and hydrogen sulfide obtained during the November 3 and 4, 2022 screening event were, with one exception, 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 carbon monoxide reading of 10 ppm and 10 ppm in the refrigeration area of the building at 958 Meeker Avenue. Carbon monoxide is typically associated with combustion processes (e.g., engines, heating systems) and may be attributed to the nearby, third-party refrigeration system operating during indoor air screening activities. This detection is not indicative of petroleum vapor intrusion from the subsurface and instead appears to be attributable to third-party activities occurring within the property. Percent oxygen was also consistently measured at 20.9% throughout the building during indoor air screening activities.

Soil Vapor Monitoring Network Recommendations

As detailed above, monitoring point 8.MP-79 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 found at concentrations below 6 µg/m^3, as detailed in the Fourth Quarter 2021 Soil Vapor Sampling Report – OU-7 and OU-8. Based on the lack of significant elevated detections at this monitoring point, and given its location within a very busy trucking area, 8.MP-79 is proposed to be removed from the soil vapor sampling network beginning in the 2023 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 2022 Report, are anticipated to be mailed/messengered to property owners during the Third Quarter of 2023, following submittal of the Report to the NYSDEC.
- The next soil vapor sampling event is anticipated to occur in the Fourth Quarter of 2023. 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 2023 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 2023 to coincide with the Fourth Quarter 2023 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.

Jacqueline Carames
Project Geologist

Andrew Baris
Principal Hydrogeologist/ Executive Vice President

Attachments

cc: Celeste S. Quiralte, ExxonMobil
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Andrew G. Frank, Esq., New York State Office of the Attorney General
Kati Liloia, 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)		2021 LEL (%)		2022 LEL (%)		2021 CO_2 (%)		2022 CO_2 (%)		2021 O2 (%)		2022 O2 (%)		Comments
			2021	2022	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	0.3	0.1	0.1	0.1	20.1	20.6	20.0	20.3	
7.MP-1S	2-3	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	20.8	20.7	20.0	19.9	
7.MP-2D	7-8	MW-33	ND	ND	0.0	8.0	0.0	0.0	7.7	8.2	5.5	5.4	12.4	10.8	14.6	13.3	
7.MP-2S	2-3	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.2	21.1	21.0	20.9	18.5	
7.MP-3D	7-8	MW-34	26.32	26.82	4.0	0.0	0.0	3.0	7.2	7.4	5.3	5.1	8.5	8.4	9.1	8.9	
7.MP-3S	2-3	MW-34	26.32	26.82	0.0	0.0	0.0	3.0	5.4	5.2	2.9	2.6	9.9	10.0	9.5	9.3	
7.MP-4D	7-8	MW-59	24.92	ND	4.0	3.0	6.0	5.0	18.3	18.5	18.7	18.7	1.4	1.3	1.3	1.2	
7.MP-4S	2-3	MW-59	24.92	ND	0.0	0.0	0.0	0.0	4.3	3.9	4.8	4.9	16.5	16.9	15.6	15.4	
7.MP-5D	7-8	MW-5	ND	ND	0.0	0.0	0.0	0.0	6.9	6.6	5.5	5.3	11.3	11.5	12.9	13.1	
7.MP-5S	2-3	MW-5	ND	ND	0.0	0.0	0.0	0.0	2.1	2.0	0.9	0.1	18.0	18.3	19.6	21.0	
7.MP-6D	7-8	MW-5	ND	ND	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.2	21.3	20.7	21.0	18.5	
7.MP-6S	2-3	MW-5	ND	ND	4.0	0.0	0.0	0.0	0.3	0.3	0.4	0.3	21.1	21.1	20.8	18.4	
7.MP-7D	7-8	MW-33	ND	ND	0.0	0.0	0.0	0.0	3.4	3.2	2.9	2.8	14.9	15.1	16.0	16.0	
7.MP-7S	2-3	MW-33	ND	ND	0.0	0.0	0.0	0.0	2.3	2.1	1.7	1.7	16.9	16.8	17.6	17.6	
7.MP-8D	7-8	MW-95	ND	ND	0.0	0.0	0.0	0.0	1.4	1.3	4.8	4.7	18.8	19.2	14.8	15.3	
7.MP-8S	2-3	MW-95	ND	ND	0.0	0.0	0.0	0.0	4.1	4.0	3.7	3.7	16.5	16.9	17.0	17.0	
7.MP-9D	7-8	MW-9	25.76	26.17	0.0	0.0	0.0	0.0	1.5	1.7	2.4	2.2	19.6	19.2	18.6	18.7	
7.MP-9S	2-3	MW-9	25.76	26.17	0.0	0.0	0.0	0.0	0.1	0.5	0.7	0.7	21.3	20.7	19.8	19.9	
7.MP-10D	7-8	MW-33	ND	ND	4.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	20.3	20.2	20.5	20.4	
7.MP-10S	2-3	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	20.3	20.1	20.5	20.3	
7.MP-11D	7-8	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.6	0.5	0.3	0.4	19.6	20.3	20.0	19.7	
7.MP-11S	2-3	MW-33	ND	ND	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	20.9	20.2	20.2	20.0	
7.MP-12D	7-8	MW-9	25.76	26.17	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	20.8	21.9	19.9	20.1	
7.MP-12S	2-3	MW-9	25.76	26.17	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	20.9	23.1	20.0	20.1	
7.MP-13D	7-8	MW-33	ND	ND	8.0	0.0	0.0	0.0	10.6	10.5	9.3	9.5	8.6	8.5	8.1	8.5	
7.MP-13S	2-3	MW-33	ND	ND	8.0	0.0	0.0	0.0	7.3	7.1	8.4	8.4	11.8	11.7	9.2	9.2	
7.MP-15D	7-8	MW-9	25.76	26.17	0.0	0.0	0.0	0.0	5.4	5.8	7.1	7.4	14.1	14.2	9.7	9.7	
7.MP-15S	2-3	MW-9	25.76	26.17	0.0	0.0	0.0	0.0	4.7	4.3	4.1	4.0	15.8	15.7	15.9	15.9	
7.MP-16D	7-8	MW-9	25.76	26.17	4.0	0.0	0.0	0.0	1.0	0.8	0.1	0.9	20.5	21.5	21.2	17.8	
7.MP-16S	2-3	MW-9	25.76	26.17	6.0	0.0	0.0	0.0	1.6	1.4	0.1	1.2	19.7	20.8	20.9	18.0	
7.MP-17D	7-8	MW-37	40.67	41.05	5.0	0.0	0.0	0.0	2.9	2.9	3.2	3.1	15.9	17.3	16.8	16.9	
7.MP-17S	2-3	MW-37	40.67	41.05	5.0	0.0	0.0	0.0	2.1	2.1	2.4	2.2	17.3	18.7	17.3	17.3	
7.MP-27	7-8	MW-15	49.81	50.14	4.0	0.0	0.0	0.0	0.1	0.1	0.9	0.7	21.2	21.4	20.2	20.4	
7.MP-28	7-8	MW-91	ND	ND	> 99	> 99	0.0	0.0	12.2	12.2	1.9	2.0	0.2	0.1	18.7	18.7	
7.MP-30	7-8	MW-15	49.81	50.14	0.0	0.0	0.0	0.0	5.8	5.3	5.6	5.5	14.6	15.1	14.8	14.8	
7.MP-31	7-8	MW-15	49.81	50.14	0.0	0.0	0.0	0.0	5.1	4.8	4.4	4.4	15.0	15.3	15.4	15.9	
7.MP-33	7-8	MW-39	49.55	50.12	0.0	0.0	0.0	0.0	3.4	3.2	3.8	3.6	15.6	15.9	16.3	16.2	
7.MP-64	7-8	DEC-058	ND	ND	0.0	0.0	0.0	0.0	15.3	15.4	15.8	15.9	0.7	0.7	1.7	1.6	
7.MP-68	7-8	MW-39	49.55	50.12	4.0	0.0	0.0	0.0	5.3	5.0	5.6	5.8	11.8	12.1	12.6	12.8	

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)		2021 LEL (%)		2022 LEL (%)		2021 CO_2 (%)		2022 CO_2 (%)		2021 O2 (%)		2022 O2 (%)		Comments
			2021	2022	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	0.1	21.8	24.1	20.9	20.3	
7.MP-71S	2-3	MW-28	ND	ND	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	21.8	22.3	20.4	20.1	
7.MP-72D	7-8	MW-35	21.70	22.1	13.0	5.5	3.0	3.0	12.0	11.9	11.3	11.3	0.3	0.1	0.3	0.3	
7.MP-72S	2-3	MW-35	21.70	22.1	0.0	0.0	0.0	0.0	3.1	2.9	3.2	3.3	17.1	17.4	16.0	15.6	
7.MP-73D	7-8	MW-97	ND	ND	0.0	0.0	0.0	0.0	18.9	17.3	10.7	10.5	0.4	0.7	8.0	8.2	
7.MP-73S	2-3	MW-97	ND	ND	0.0	0.0	0.0	0.0	6.2	6.7	17.3	17.4	15.1	14.1	0.2	0.6	
7.MP-81	7-8	MW-90	33.20	33.51	0.0	0.0	0.0	0.0	5.2	4.6	5.2	5.0	7.0	7.0	5.7	6.0	
8.MP-76D	7-8	MW-3	15.52	15.67	0.0	0.0	0.0	0.0	6.2	6.4	4.5	4.1	13.6	13.5	15.0	15.1	
8.MP-76S	2-3	MW-3	15.52	15.67	0.0	0.0	0.0	0.0	0.9	0.0	0.6	0.1	19.2	19.4	20.2	20.7	
8.MP-77D	6-7	MW-29	ND	ND	0.0	0.0	0.0	0.0	0.4	0.3	0.1	0.2	20.7	20.8	20.6	20.7	
8.MP-77S	2-3	MW-29	ND	ND	0.0	0.0	0.0	0.0	0.9	0.9	1.9	1.7	18.0	18.5	16.4	16.7	
8.MP-78D	7-8	MW-3	15.52	15.67	0.0	0.0	0.0	0.0	0.2	1.4	0.0	0.1	20.3	19.5	19.2	19.8	
8.MP-78S	2-3	MW-3	15.52	15.67	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	20.7	21.7	19.2	19.9	
8.MP-79	2-3	MW-113	ND	ND	0.0	0.0	NM	NM	0.1	0.1	NM	NM	19.6	20.7	NM	NM	Damaged by third-party activities. Not sampled in 2022.
8.MP-80	2-3	MW-112	ND	ND	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	20.8	20.4	20.4	20.5	

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: Luisa Fernandez and Gabriella Asher

Date: 11/4/2022

Meter Type: MultiRae; SN: 42613, 42975

Meter Calibrated: 11/4/2022

Address			Building		2021 VOC (ppm)		2022 VOC (ppm)		2021 CO (ppm)		2022 CO (ppm)		2021 H_2S (ppm)		2022 H_2S (ppm)		2021 LEL (%)		2022 LEL (%)		2021 O_2 (%)		2022 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					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	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	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	
Mens Bathroom					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	0.0	0.0	20.9	20.9	20.9	20.9	
Womens Bathroom					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	0.0	0.0	20.9	20.9	20.9	20.9	
Storage Area	2797	11	Slab on Grade	Office Space and Food Storage Areas for 958 Property Corp.	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	0.0	0.0	20.9	20.9	20.9	20.9	
Metal Plate in Storage Area					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	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	0.0	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	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	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	
Back Storage Area (Refrigeration)					0.0	0.0	0.0	0.0	10.0	11.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	20.9	20.9	20.9	Large fridge unit operating, fork lift present (not operating)
570 Gardner Avenue																									
Main Office Area	2798	5	Slab on Grade	Office Building for Island Transportation	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	0.0	0.0	20.9	20.9	20.9	20.9	
Small Office 1 (1'x1' patch on SW wall)					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	0.0	0.0	20.9	20.9	20.9	20.9	
Small Office 2					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	0.0	0.0	20.9	20.9	20.9	20.9	
Small Office 3 (Near Employee Lounge)					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	0.0	0.0	20.9	20.9	20.9	20.9	
Employee Lounge Area					0.2	0.1	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	
Locker Room					0.2	0.1	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	
Bathroom Near Locker Room	2798	5	Slab on Grade	Office Building for Island Transportation	0.2	0.1	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 Back Bathroom					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	0.0	0.0	20.9	20.9	20.9	20.9	
Storage Supply Room					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	0.0	0.0	20.9	20.9	20.9	20.9	
Boiler Room					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	0.0	0.0	20.9	20.9	20.9	20.9	
Drain in Small Closet near Boiler Room					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	0.0	0.0	20.9	20.9	20.9	20.9	

Notes Utilized Throughout Tables
Soil Vapor/Ambient Air
J - Estimated value
J+ - Estimated value, high bias
B - The analyte was found in an associated blank as well as in the sample
U - Indicates that the compound was analyzed for but not detected
T - Indicates that a quality control parameter has exceeded laboratory limits
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, Brooklyn, 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-13S	7_MP-15-AMB
Sample Date:		10/17/2022	10/17/2022	10/17/2022	10/17/2022	10/26/2022	10/26/2022	10/28/2022	10/28/2022	10/26/2022
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	55 U	11 U	5.5 U	5.5 U	5.5 U	5.5 U	**1.7 J**
1,1,2,2-Tetrachloroethane	UG/M3	6.9 U	6.9 U	69 U	14 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	77 U	15 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	55 UT	11 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	40 U	8.1 U	4 U	4 U	4 U	4 U	**0.37 J**
1,1-Dichloroethene	UG/M3	4 U	4 U	40 U	7.9 U	4 U	4 U	4 U	4 U	4 U
1,2,4-Trichlorobenzene	UG/M3	15 U	15 U	150 U	30 U	15 U	15 U	15 U	15 U	15 U
1,2,4-Trimethylbenzene	UG/M3	**3.3 J**	**3.5 J**	98 U	20 U	9.8 U	**2.3 J**	9.8 U	9.8 U	9.8 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	7.7 U	7.7 U	77 U	15 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U
1,2-Dichlorobenzene	UG/M3	6 U	6 U	60 U	12 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethane	UG/M3	4 U	4 U	40 U	8.1 U	4 U	4 U	4 U	4 U	4 U
1,2-Dichloropropane	UG/M3	4.6 U	4.6 U	46 UT	9.2 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	70 U	14 U	7 U	7 U	7 U	7 U	7 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	9.8 U	9.8 U	98 U	20 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	22 U	4.4 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
1,3-Dichlorobenzene	UG/M3	**12**	**10**	60 U	12 U	6 U	**13**	6 U	6 U	6 U
1,4-Dichlorobenzene	UG/M3	6 U	6 U	60 U	12 U	6 U	6 U	6 U	6 U	6 U
1,4-Dioxane (P-Dioxane)	UG/M3	3.6 U	3.6 U	36 U	7.2 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
2,2,4-Trimethylpentane	UG/M3	**3.7 J**	4.7 U	47 U	9.3 U	4.7 U	4.7 U	4.7 U	**0.95 J**	4.7 U
2-Chlorotoluene	UG/M3	5.2 U	5.2 U	52 U	10 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
2-Hexanone	UG/M3	**5.1 J**	**6.3 J**	82 U	**5.4 J**	**5.3 J**	**6.1 J**	8.2 U	8.2 U	8.2 U
4-Ethyltoluene	UG/M3	4.9 U	4.9 U	49 U	9.8 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U
Acetone	UG/M3	**49**	**36**	**55 J**	**43**	**32**	**36**	**7.4 J**	**5.4 J**	12 U
Allyl Chloride (3-Chloropropene)	UG/M3	3.1 U	3.1 U	31 U	6.3 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	UG/M3	**1.4 J**	**0.55 J**	32 U	6.4 U	3.2 U	3.2 U	**0.35 J**	3.2 U	3.2 U
Benzyl Chloride	UG/M3	10 U	10 U	100 U	21 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/M3	6.7 U	6.7 U	67 U	13 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U
Bromoform	UG/M3	10 U	10 U	100 U	21 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	UG/M3	3.9 U	3.9 U	39 U	7.8 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
Carbon Disulfide	UG/M3	3.1 U	**0.49 J**	31 U	**1 J**	3.1 U	3.1 U	3.1 U	3.1 U	**0.7 J**
Carbon Tetrachloride	UG/M3	6.3 U	6.3 U	63 U	13 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	46 UT	9.2 U	4.6 U	4.6 UT	4.6 U	4.6 U	4.6 U
Chloroethane	UG/M3	2.6 U	2.6 U	26 U	5.3 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	49 U	9.8 U	4.9 U	4.9 U	4.9 U	**2.4 J**	**4.5 J**
Chloromethane	UG/M3	2.1 U	2.1 U	21 U	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**5.3 J+**
Cis-1,2-Dichloroethylene	UG/M3	**3 J**	**2.8 J**	40 U	7.9 U	4 U	4 U	4 U	4 U	**1.4 J**
Cis-1,3-Dichloropropene	UG/M3	4.5 U	4.5 U	45 U	9.1 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, Brooklyn, 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-13S	7_MP-15-AMB
Sample Date:		10/17/2022	10/17/2022	10/17/2022	10/17/2022	10/26/2022	10/26/2022	10/28/2022	10/28/2022	10/26/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
Cyclohexane	UG/M3	**1.6 J**	3.4 U	34 U	6.9 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromochloromethane	UG/M3	8.5 U	8.5 U	85 U	17 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
Dichlorodifluoromethane	UG/M3	**2.8 J**	**2.7 J**	49 U	**2.4 J**	**2.7 J**	**2.8 J**	**3 J**	**2.1 J**	**2.1 J**
Ethanol	UG/M3	**34**	**28**	**74 J**	**45**	**11**	**8.7 J**	**12**	9.4 U	**17 J+**
Ethyl Acetate	UG/M3	**11**	**12**	72 U	**20**	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U
Ethylbenzene	UG/M3	**2.3 J**	**1.6 J**	43 U	8.7 U	4.3 U	4.3 U	**1.2 J**	4.3 U	4.3 U
Hexachlorobutadiene	UG/M3	21 U	21 U	210 U	43 U	21 U	21 U	21 U	21 U	21 U
Isopropanol	UG/M3	**15**	**12**	**19 J**	**17**	**3.2**	**1.5 J**	**6.3**	**1.3 J**	**3.4 J+**
m,p-Xylene	UG/M3	**7.9**	**6.5**	43 U	**3.7 J**	**1.5 J**	**1.7 J**	**4.4**	4.3 U	**1.1 J**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**47 B**	**53 B**	**57**	**63**	**48**	**49**	**1.9 J**	**1.5 J**	2.9 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	**3.3 J**	**3.2 J**	41 U	**1.7 J**	**1.2 J**	4.1 U	4.1 U	4.1 U	**1.6 J**
Methyl Methacrylate	UG/M3	4.1 U	4.1 U	41 U	8.2 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Methylene Chloride	UG/M3	**0.93 J**	**0.94 J**	69 U	14 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U
N-Heptane	UG/M3	**1.6 J**	4.1 U	41 U	8.2 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
N-Hexane	UG/M3	**2.3 J**	3.5 U	35 U	7 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**2.7 J**	**2.3 J**	43 U	8.7 U	4.3 U	4.3 U	**2 J**	4.3 U	4.3 U
Propylene	UG/M3	**5.9**	**3.4**	**7.3 J**	**3.5**	**3.4**	**4.2 B**	1.7 U	1.7 U	1.7 U
Styrene	UG/M3	4.3 U	4.3 U	43 U	8.5 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
Tert-Butyl Alcohol	UG/M3	**3.1**	**3.4**	30 U	**3.6 J**	**1.1 J**	**1 J**	3 U	**0.7 J**	3 U
Tert-Butyl Methyl Ether	UG/M3	3.6 U	3.6 U	36 U	7.2 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
Tetrachloroethylene (PCE)	UG/M3	14 U	14 U	140 U	**4.3 J**	14 U	14 U	14 U	14 U	**380**
Tetrahydrofuran	UG/M3	2.9 U	2.9 U	29 U	**2.2 J**	**1.9 J**	**5.1**	2.9 U	**2.4 J**	2.9 U
Toluene	UG/M3	**22**	**19**	**21 J**	**14**	**2.9 J**	**2.3 J**	**0.49 J**	**0.53 J**	**1.2 J**
Trans-1,2-Dichloroethene	UG/M3	4 U	4 U	40 U	7.9 U	4 U	4 U	4 U	4 U	4 U
Trans-1,3-Dichloropropene	UG/M3	4.5 U	4.5 U	45 U	9.1 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	54 U	11 U	5.4 U	5.4 U	5.4 U	5.4 U	**50**
Trichlorofluoromethane	UG/M3	**1.5 J**	**1.5 J**	56 U	11 U	**2.4 J**	**2.7 J**	**2.6 J**	**3 J**	**1.2 J**
Vinyl Acetate	UG/M3	3.5 U	3.5 U	35 U	7 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	44 U	8.7 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	26 U	5.1 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U

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

Sample Designation:		7_MP-15D	7_MP-15S	7_MP-16D	7_MP-16S	7_MP-17D	7_MP-17S	7_MP-1D	7_MP-1D	7_MP-1S
Sample Date:		10/26/2022	10/26/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/17/2022	10/17/2022	10/17/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	FD	N
Parameter	Unit									
1,1,1-Trichloroethane (TCA)	UG/M3	110 U	**0.93 J**	**13**	**12**	5.5 U	5.5 U	5.5 UJ	5.5 U	5.5 U
1,1,2,2-Tetrachloroethane	UG/M3	140 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 UJ	6.9 U	6.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	150 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 UJ	7.7 U	7.7 U
1,1,2-Trichloroethane	UG/M3	**310**	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 UJ	5.5 U	5.5 U
1,1-Dichloroethane	UG/M3	81 U	4 U	4 U	4 U	4 U	4 U	4 UJ	4 U	4 U
1,1-Dichloroethene	UG/M3	79 U	4 U	4 U	4 U	4 U	4 U	4 UJ	4 U	4 U
1,2,4-Trichlorobenzene	UG/M3	300 U	15 U	15 U	15 U	15 U	15 U	15 UJ	15 U	15 U
1,2,4-Trimethylbenzene	UG/M3	200 U	9.8 U	**1.4 J**	9.8 U	9.8 U	9.8 U	**3.3 J**	**3.5 J**	**3.8 J**
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	150 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 UJ	7.7 U	7.7 U
1,2-Dichlorobenzene	UG/M3	120 U	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	6 U
1,2-Dichloroethane	UG/M3	81 U	4 U	4 U	4 U	4 U	4 U	4 UJ	4 U	4 U
1,2-Dichloropropane	UG/M3	92 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 UJ	4.6 U	4.6 U
1,2-Dichlorotetrafluoroethane	UG/M3	140 U	7 U	7 U	7 U	7 U	7 U	7 UJ	7 U	7 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	200 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 UJ	9.8 U	9.8 U
1,3-Butadiene	UG/M3	44 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 UJ	2.2 U	2.2 U
1,3-Dichlorobenzene	UG/M3	120 U	6 U	**3.8 J**	6 U	**4 J**	**3.3 J**	**8.5 J**	**14**	**17**
1,4-Dichlorobenzene	UG/M3	120 U	6 U	6 U	6 U	6 U	6 U	6 UJ	6 U	6 U
1,4-Dioxane (P-Dioxane)	UG/M3	72 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 UJ	3.6 U	3.6 U
2,2,4-Trimethylpentane	UG/M3	**8600**	**5.8**	4.7 U	4.7 U	4.7 U	4.7 U	**1.2 J**	4.7 U	**1.2 J**
2-Chlorotoluene	UG/M3	100 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 UJ	5.2 U	5.2 U
2-Hexanone	UG/M3	160 U	8.2 U	**1.9 J**	8.2 U	**2.3 J**	**2.6 J**	**5.5 J**	**8.8**	**8.9**
4-Ethyltoluene	UG/M3	98 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 UJ	4.9 U	4.9 U
Acetone	UG/M3	240 U	**18**	**18**	**22**	**14**	**20**	**49 J**	**54**	**75**
Allyl Chloride (3-Chloropropene)	UG/M3	63 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 UJ	3.1 U	3.1 U
Benzene	UG/M3	64 U	3.2 U	**0.61 J**	3.2 U	**0.38 J**	**0.38 J**	**0.98 J**	3.2 U	**0.62 J**
Benzyl Chloride	UG/M3	210 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Bromodichloromethane	UG/M3	130 U	6.7 U	**1.5 J**	6.7 U	6.7 U	6.7 U	6.7 UJ	6.7 U	6.7 U
Bromoform	UG/M3	210 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Bromomethane	UG/M3	78 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 UJ	3.9 U	3.9 U
Carbon Disulfide	UG/M3	62 U	3.1 U	3.1 U	3.1 U	**0.57 J**	3.1 U	3.1 UJ	3.1 U	**2.4 J**
Carbon Tetrachloride	UG/M3	130 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 UJ	6.3 U	6.3 U
Chlorobenzene	UG/M3	92 UT	4.6 UT	4.6 U	4.6 U	4.6 U	4.6 U	4.6 UJ	4.6 U	4.6 U
Chloroethane	UG/M3	53 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 UJ	2.6 U	2.6 U
Chloroform	UG/M3	98 U	**0.64 J**	**15**	**8.5**	**25**	**2.6 J**	**1.9 J**	**0.49 J**	4.9 U
Chloromethane	UG/M3	41 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 UJ	2.1 U	2.1 U
Cis-1,2-Dichloroethylene	UG/M3	79 U	4 U	4 U	4 U	4 U	4 U	4 UJ	4 U	**7.4**
Cis-1,3-Dichloropropene	UG/M3	91 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 UJ	4.5 U	4.5 U

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

Sample Designation:		7_MP-15D	7_MP-15S	7_MP-16D	7_MP-16S	7_MP-17D	7_MP-17S	7_MP-1D	7_MP-1D	7_MP-1S
Sample Date:		10/26/2022	10/26/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/17/2022	10/17/2022	10/17/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	FD	N
Parameter	Unit									
Cyclohexane	UG/M3	**4100**	**2.6 J**	3.4 U	3.4 U	3.4 U	3.4 U	**1.5 J**	3.4 U	3.4 U
Dibromochloromethane	UG/M3	170 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 UJ	8.5 U	8.5 U
Dichlorodifluoromethane	UG/M3	99 U	**3 J**	**2.1 J**	**2.9 J**	**2.2 J**	**2.2 J**	**2.9 J**	**2.7 J**	**2.7 J**
Ethanol	UG/M3	190 U	**4.5 J**	9.4 U	**7.9 J**	**5.8 J**	**8.7 J**	**79 J**	**37 J**	**73**
Ethyl Acetate	UG/M3	140 U	7.2 U	**2.6 J**	7.2 U	**2.9 J**	**3.7 J**	**18 J**	**13**	**27**
Ethylbenzene	UG/M3	87 U	4.3 U	4.3 U	4.3 U	4.3 U	**0.84 J**	**1.7 J**	**1.4 J**	**2.3 J**
Hexachlorobutadiene	UG/M3	430 U	21 U	21 U	21 U	21 U	21 U	21 UJ	21 U	21 U
Isopropanol	UG/M3	49 U	2.5 U	**2.9 J+**	**3.2**	**2.6**	**4**	**34 J**	**14 J**	**30**
m,p-Xylene	UG/M3	87 U	4.3 U	**2.7 J**	4.3 U	**3.1 J**	**3.1 J**	**5.9 J**	**5.5**	**9.6**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	59 U	**22**	**26**	**13**	**24**	**36**	**43 J**	**81 J**	**71 B**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	82 U	4.1 U	4.1 U	4.1 U	**1.3 J**	**2.3 J**	**2.5 J**	**1.9 J**	**7.2**
Methyl Methacrylate	UG/M3	82 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 UJ	4.1 U	4.1 U
Methylene Chloride	UG/M3	140 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	**24 J**	6.9 UJ	6.9 U
N-Heptane	UG/M3	**1700**	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	**1.9 J**	4.1 U	**0.99 J**
N-Hexane	UG/M3	**4400**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	**3.3 J**	3.5 U	3.5 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	87 U	4.3 U	**0.93 J**	4.3 U	**1.1 J**	**0.97 J**	**2.1 J**	**2 J**	**3.1 J**
Propylene	UG/M3	34 U	**1.9 J+**	**2.7**	**2.5**	**1.2 J**	**1.9**	**5.6 J**	**5.7**	**5.9**
Styrene	UG/M3	85 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 UJ	4.3 U	**1 J**
Tert-Butyl Alcohol	UG/M3	61 U	3 U	**1.1 J**	3 U	**0.88 J**	**1.6 J**	**3.4 J**	**3.3**	**5.5**
Tert-Butyl Methyl Ether	UG/M3	72 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 UJ	3.6 U	3.6 U
Tetrachloroethylene (PCE)	UG/M3	**110 J**	**33**	**11 J**	14 U	**26**	**15**	14 UJ	14 U	14 U
Tetrahydrofuran	UG/M3	59 U	**2.2 J**	**2.3 J**	**0.81 J**	2.9 U	2.9 U	**15 J+**	2.9 UJ	2.9 U
Toluene	UG/M3	**9.4 J**	3.8 U	**6.2**	3.8 U	**5.2**	**6.1**	**20 J**	**19**	**54**
Trans-1,2-Dichloroethene	UG/M3	79 U	4 U	4 U	4 U	4 U	4 U	4 UJ	4 U	4 U
Trans-1,3-Dichloropropene	UG/M3	91 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 UJ	4.5 U	4.5 U
Trichloroethylene (TCE)	UG/M3	110 U	5.4 U	**220**	**79**	**13**	**4.1 J**	5.4 UJ	5.4 U	5.4 U
Trichlorofluoromethane	UG/M3	110 U	**2 J**	**1.6 J**	**1.6 J**	**3.8 J**	**3.2 J**	**1.6 J**	**1.5 J**	**1.5 J**
Vinyl Acetate	UG/M3	70 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 UJ	3.5 U	3.5 U
Vinyl Bromide	UG/M3	87 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 UJ	4.4 U	4.4 U
Vinyl Chloride	UG/M3	51 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 UJ	2.6 U	2.6 U

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

Sample Designation:		7_MP-27	7_MP-28	7_MP-28	7_MP-2D	7_MP-2S	7_MP-30	7_MP-31	7_MP-33	7_MP-33-AMB
Sample Date:		10/20/2022	10/20/2022	10/20/2022	10/18/2022	10/18/2022	10/20/2022	10/21/2022	10/20/2022	10/20/2022
Normal or Field Duplicate:		N	N	FD	N	N	N	N	N	N
Parameter	Unit									
1,1,1-Trichloroethane (TCA)	UG/M3	5.5 U	**0.77 J**	**0.7 J**	**1.1 J**	5.5 U	5.5 U	5.5 U	**16**	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	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	7.7 U	7.7 U	7.7 U
1,1,2-Trichloroethane	UG/M3	5.5 U	5.5 UT	5.5 U	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	4 U	4 U	4 U
1,1-Dichloroethene	UG/M3	4 U	4 U	4 U	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	15 U	15 U	15 U
1,2,4-Trimethylbenzene	UG/M3	**2.2 J**	**1.9 J**	**1.7 J**	**1.5 J**	**1.7 J**	9.8 U	**1.6 J**	**2.3 J**	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	7.7 U	7.7 U	7.7 U
1,2-Dichlorobenzene	UG/M3	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethane	UG/M3	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
1,2-Dichloropropane	UG/M3	4.6 U	4.6 UT	4.6 U	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	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	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	2.2 U	2.2 U	2.2 U
1,3-Dichlorobenzene	UG/M3	6 U	6 U	6 U	**4.6 J**	**5.1 J**	6 U	6 U	**4.4 J**	6 U
1,4-Dichlorobenzene	UG/M3	6 U	6 U	6 U	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	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	4.7 U	4.7 U	4.7 U	4.7 U
2-Chlorotoluene	UG/M3	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
2-Hexanone	UG/M3	**14**	**14**	**10**	**2.2 J**	**2.2 J**	**2.5 J**	**2.1 J**	**8.3**	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	4.9 U	4.9 U	4.9 U
Acetone	UG/M3	**130**	**74 J**	**47 J**	**14**	**9.6 J**	**14**	**9.1 J**	**51**	**8.3 J**
Allyl Chloride (3-Chloropropene)	UG/M3	**4.1**	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	UG/M3	3.2 U	3.2 U	3.2 U	**0.67 J**	**0.52 J**	**0.44 J**	**0.48 J**	3.2 U	**0.67 J**
Benzyl Chloride	UG/M3	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/M3	6.7 U	**0.99 J**	**0.9 J**	6.7 U	6.7 U	6.7 U	**10**	6.7 U	6.7 U
Bromoform	UG/M3	10 U	10 U	10 U	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	3.9 U	3.9 U	3.9 U
Carbon Disulfide	UG/M3	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Carbon Tetrachloride	UG/M3	6.3 U	**2.1 J**	**2.4 J**	6.3 U	6.3 U	6.3 U	**1.2 J**	6.3 U	6.3 U
Chlorobenzene	UG/M3	4.6 U	4.6 UT	4.6 U	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	2.6 U	2.6 U	2.6 U
Chloroform	UG/M3	**1.5 J**	**64**	**63**	**8.3**	**0.81 J**	**6.7**	**220**	**24**	4.9 U
Chloromethane	UG/M3	2.1 U	2.1 U	2.1 U	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	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	4.5 U	4.5 U	4.5 U

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

Sample Designation:		7_MP-27	7_MP-28	7_MP-28	7_MP-2D	7_MP-2S	7_MP-30	7_MP-31	7_MP-33	7_MP-33-AMB
Sample Date:		10/20/2022	10/20/2022	10/20/2022	10/18/2022	10/18/2022	10/20/2022	10/21/2022	10/20/2022	10/20/2022
Normal or Field Duplicate:		N	N	FD	N	N	N	N	N	N
Parameter	Unit									
Cyclohexane	UG/M3	**3 J**	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U
Dibromochloromethane	UG/M3	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
Dichlorodifluoromethane	UG/M3	**2.8 J**	**3 J**	**2.9 J**	**2.3 J**	**2.3 J**	**2.6 J**	**2.8 J**	**2.8 J**	**2.2 J**
Ethanol	UG/M3	**3.9 J**	**7 J**	**5.1 J**	**7.4 J**	9.4 U	**6.2 J**	9.4 U	**5.6 J**	**6.3 J**
Ethyl Acetate	UG/M3	7.2 U	7.2 U	7.2 U	**3 J**	**4.8 J**	7.2 U	7.2 U	7.2 U	7.2 U
Ethylbenzene	UG/M3	4.3 U	4.3 U	4.3 U	4.3 U	**0.96 J**	4.3 U	4.3 U	4.3 U	4.3 U
Hexachlorobutadiene	UG/M3	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
Isopropanol	UG/M3	2.5 U	**1.4 J**	2.5 U	**3.1**	**3.2 J+**	**1.6 J**	**1.1 J**	**1.4 J**	**1.2 J**
m,p-Xylene	UG/M3	**2.6 J**	**2.3 J**	**2.4 J**	**2.6 J**	**3.6 J**	**1.4 J**	**2.3 J**	**2.3 J**	4.3 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**120**	**140 J**	**95 J**	**22**	**19**	**17**	**12**	**87**	**1 J**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	**1.9 J**	4.1 U	4.1 U	**1.5 J**	4.1 U	4.1 U	**1.4 J**	4.1 U	4.1 U
Methyl Methacrylate	UG/M3	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Methylene Chloride	UG/M3	**4.2 J**	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	**0.88 J**	6.9 U
N-Heptane	UG/M3	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
N-Hexane	UG/M3	**15**	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**0.96 J**	**0.99 J**	4.3 U	**0.95 J**	**1.2 J**	4.3 U	**0.91 J**	**0.87 J**	4.3 U
Propylene	UG/M3	**16**	**9.7**	**7.2**	**1.3 J**	**2.2**	**2**	**3.8**	**7.4**	**1.8**
Styrene	UG/M3	4.3 U	4.3 U	4.3 U	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	**1.4 J**	**1 J**	**0.97 J**	**0.75 J**	**1.2 J**	**1.1 J**	**1.2 J**	3 U
Tert-Butyl Methyl Ether	UG/M3	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
Tetrachloroethylene (PCE)	UG/M3	14 U	**45**	**42**	**5.9 J**	**4.3 J**	**18**	14 U	**230**	14 U
Tetrahydrofuran	UG/M3	2.9 U	2.9 U	2.9 U	2.9 U	**1.7 J**	**2.5 J**	**2.5 J**	**2.1 J**	2.9 U
Toluene	UG/M3	**4.3**	**4.4**	**3.7 J**	**7**	**8.1**	**1.8 J**	**3.4 J**	**3.9**	**1.6 J**
Trans-1,2-Dichloroethene	UG/M3	4 U	4 U	4 U	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	4.5 U	4.5 U	4.5 U
Trichloroethylene (TCE)	UG/M3	5.4 U	**6.1**	**5.3 J**	5.4 U	**9.8**	5.4 U	5.4 U	5.4 U	5.4 U
Trichlorofluoromethane	UG/M3	**1.8 J**	**1.7 J**	**1.7 J**	**15**	**2.4 J**	**1.5 J**	**21**	**4.7 J**	**1.2 J**
Vinyl Acetate	UG/M3	3.5 U	3.5 U	3.5 U	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	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	2.6 U	2.6 U	2.6 U

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

Sample Designation:		7_MP-3D	7_MP-3S	7_MP-4D	7_MP-4S	7_MP-5D	7_MP-5S	7_MP-64	7_MP-68	7_MP-6-AMB
Sample Date:		11/01/2022	11/01/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/27/2022	10/25/2022	10/18/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
1,1,1-Trichloroethane (TCA)	UG/M3	220 U	55 U	5.5 U	5.5 U	**0.68 J**	5.5 U	5.5 U	5.5 U	5.5 U
1,1,2,2-Tetrachloroethane	UG/M3	270 U	69 U	6.9 U	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	310 U	77 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U
1,1,2-Trichloroethane	UG/M3	220 U	55 U	**150**	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U
1,1-Dichloroethane	UG/M3	160 U	40 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
1,1-Dichloroethene	UG/M3	160 U	40 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
1,2,4-Trichlorobenzene	UG/M3	590 U	150 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
1,2,4-Trimethylbenzene	UG/M3	390 U	98 U	**1.8 J**	**2 J**	**2.1 J**	**1.8 J**	9.8 U	**1.5 J**	9.8 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	310 U	77 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U
1,2-Dichlorobenzene	UG/M3	240 U	60 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethane	UG/M3	160 U	40 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
1,2-Dichloropropane	UG/M3	180 U	46 U	**1.9 J**	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
1,2-Dichlorotetrafluoroethane	UG/M3	280 U	70 U	7 U	7 U	7 U	7 U	7 U	7 U	7 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	390 U	98 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U
1,3-Butadiene	UG/M3	88 U	22 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
1,3-Dichlorobenzene	UG/M3	**160 J**	**39 J**	**5.5 J**	**5.2 J**	**6.8**	**6.7**	6 U	6 U	6 U
1,4-Dichlorobenzene	UG/M3	240 U	60 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,4-Dioxane (P-Dioxane)	UG/M3	140 U	36 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
2,2,4-Trimethylpentane	UG/M3	**120 J**	47 U	**29**	4.7 U	4.7 U	4.7 U	4.7 U	**0.99 J**	**1 J**
2-Chlorotoluene	UG/M3	210 U	52 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
2-Hexanone	UG/M3	330 U	82 U	**43**	**3.7 J**	**2.8 J**	**2.9 J**	8.2 U	**2.2 J**	8.2 U
4-Ethyltoluene	UG/M3	200 U	49 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U
Acetone	UG/M3	**560**	**170**	**190**	**17**	**17**	**19**	**15 J+**	12 U	**17**
Allyl Chloride (3-Chloropropene)	UG/M3	130 U	31 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**2.6 J**
Benzene	UG/M3	**20 J**	32 U	**0.99 J**	3.2 U	**0.46 J**	3.2 U	3.2 U	3.2 U	**1.1 J**
Benzyl Chloride	UG/M3	410 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/M3	270 U	**58 J**	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U
Bromoform	UG/M3	410 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	UG/M3	160 U	39 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
Carbon Disulfide	UG/M3	120 U	31 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	**0.9 J**	3.1 U
Carbon Tetrachloride	UG/M3	250 U	63 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U
Chlorobenzene	UG/M3	180 U	46 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U
Chloroethane	UG/M3	110 U	26 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Chloroform	UG/M3	**2300**	**3600**	4.9 U	4.9 U	**2.1 J**	**1.7 J**	4.9 U	**0.85 J**	**0.89 J**
Chloromethane	UG/M3	83 U	21 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	**0.9 J**
Cis-1,2-Dichloroethylene	UG/M3	160 U	40 U	**0.92 J**	**0.95 J**	4 U	4 U	4 U	4 U	4 U
Cis-1,3-Dichloropropene	UG/M3	180 U	45 U	4.5 U	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, Brooklyn, New York

Sample Designation:		7_MP-3D	7_MP-3S	7_MP-4D	7_MP-4S	7_MP-5D	7_MP-5S	7_MP-64	7_MP-68	7_MP-6-AMB
Sample Date:		11/01/2022	11/01/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/27/2022	10/25/2022	10/18/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
Cyclohexane	UG/M3	140 U	34 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	**1.1 J**
Dibromochloromethane	UG/M3	340 U	85 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
Dichlorodifluoromethane	UG/M3	**2100**	**620**	**2.2 J**	**2.8 J**	**2.2 J**	**2.2 J**	**2.3 J**	**2.2 J**	**2.9 J**
Ethanol	UG/M3	380 U	94 U	**4.1 J**	**5.2 J**	**5 J**	**5.5 J**	**19 J+**	9.4 U	**21**
Ethyl Acetate	UG/M3	290 U	72 U	7.2 U	**4.8 J**	**3 J**	**5.3 J**	7.2 U	7.2 U	**1.6 J**
Ethylbenzene	UG/M3	170 U	43 U	**1.3 J**	**1.2 J**	**0.94 J**	**1.1 J**	**3.5 J**	4.3 U	4.3 U
Hexachlorobutadiene	UG/M3	850 U	210 U	21 U	21 U	21 U	21 U	21 U	21 U	21 U
Isopropanol	UG/M3	**160**	**27**	**2.4 J**	**2.8**	**2.6**	**3.4**	2.5 U	**2.5 J+**	**11**
m,p-Xylene	UG/M3	**81 J**	**13 J**	**4.8**	**4.3**	**3.5 J**	**4.3**	**14**	**2 J**	**2.3 J**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**350**	**150**	**35 B**	**28 B**	**30**	**31**	**3.1**	**12**	2.9 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	160 U	41 U	4.1 U	**2.3 J**	**0.83 J**	**0.99 J**	4.1 U	4.1 U	**1.1 J**
Methyl Methacrylate	UG/M3	160 U	41 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U
Methylene Chloride	UG/M3	280 U	69 U	**12**	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	**14**
N-Heptane	UG/M3	160 U	41 U	4.1 U	4.1 U	4.1 U	4.1 U	**0.98 J**	4.1 U	**1.5 J**
N-Hexane	UG/M3	140 U	35 U	**5.4**	3.5 U	3.5 U	3.5 U	**1.4 J**	3.5 U	**2.5 J**
O-Xylene (1,2-Dimethylbenzene)	UG/M3	170 U	43 U	**2.1 J**	**1.5 J**	**1.2 J**	**1.4 J**	**2 J**	**0.87 J**	4.3 U
Propylene	UG/M3	69 U	17 U	**21**	**1.8**	**1.8**	**1.9**	**1.8**	**1 J**	**3**
Styrene	UG/M3	170 U	43 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
Tert-Butyl Alcohol	UG/M3	**38 J**	**55**	**0.97 J**	**0.89 J**	**0.9 J**	**1.2 J**	3 U	3 U	3 U
Tert-Butyl Methyl Ether	UG/M3	140 U	36 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
Tetrachloroethylene (PCE)	UG/M3	**380 J**	**70 J**	**3.3 J**	**1.9 J**	**36**	**7.7 J**	14 U	14 U	**5.6 J**
Tetrahydrofuran	UG/M3	**180**	**39**	**7.1 J+**	2.9 U	**2.4 J**	**2.5 J**	**2.9**	**2.5 J**	**6.8 J+**
Toluene	UG/M3	**160**	**16 J**	**6.9**	**7.5**	**6.5**	**7.1**	**1.9 J**	**2.2 J**	**11**
Trans-1,2-Dichloroethene	UG/M3	160 U	40 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Trans-1,3-Dichloropropene	UG/M3	180 U	45 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U
Trichloroethylene (TCE)	UG/M3	210 U	54 U	**72**	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
Trichlorofluoromethane	UG/M3	**14000**	**3800**	**4 J**	**3.6 J**	**34**	**9.6**	**1.1 J**	**1.2 J**	**1.6 J**
Vinyl Acetate	UG/M3	140 U	35 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U
Vinyl Bromide	UG/M3	170 U	44 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U
Vinyl Chloride	UG/M3	100 U	26 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U

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

Sample Designation:		7_MP-6D	7_MP-6S	7_MP-71-AMB	7_MP-71D	7_MP-71S	7_MP-72D	7_MP-72S	7_MP-7D	7_MP-7S
Sample Date:		10/18/2022	10/18/2022	10/25/2022	10/25/2022	10/25/2022	10/25/2022	10/25/2022	10/17/2022	10/17/2022
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	5.5 U	5.5 U	5.5 U	220 U	5.5 U	55 U	55 U
1,1,2,2-Tetrachloroethane	UG/M3	6.9 U	6.9 U	6.9 U	6.9 U	6.9 U	270 U	6.9 U	69 U	69 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	310 U	7.7 U	77 U	77 U
1,1,2-Trichloroethane	UG/M3	5.5 U	5.5 U	5.5 U	5.5 U	5.5 U	220 U	5.5 U	55 U	55 U
1,1-Dichloroethane	UG/M3	4 U	4 U	4 U	4 U	4 U	160 U	4 U	40 U	40 U
1,1-Dichloroethene	UG/M3	4 U	4 U	4 U	4 U	4 U	160 U	4 U	40 U	40 U
1,2,4-Trichlorobenzene	UG/M3	15 U	15 U	15 U	15 U	15 U	590 U	15 U	150 U	150 U
1,2,4-Trimethylbenzene	UG/M3	**1.4 J**	9.8 U	**2 J**	**1.7 J**	**2.2 J**	**96 J**	9.8 U	98 U	98 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	7.7 U	7.7 U	7.7 U	7.7 U	7.7 U	310 U	7.7 U	77 U	77 U
1,2-Dichlorobenzene	UG/M3	6 U	6 U	6 U	6 U	6 U	240 U	6 U	60 U	60 U
1,2-Dichloroethane	UG/M3	4 U	4 U	4 U	4 U	4 U	160 U	4 U	40 U	40 U
1,2-Dichloropropane	UG/M3	4.6 U	4.6 U	4.6 U	4.6 U	4.6 U	180 U	4.6 U	46 U	46 U
1,2-Dichlorotetrafluoroethane	UG/M3	7 U	7 U	7 U	7 U	7 U	280 U	7 U	70 U	70 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	9.8 U	9.8 U	9.8 U	9.8 U	9.8 U	390 U	9.8 U	98 U	98 U
1,3-Butadiene	UG/M3	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	88 U	2.2 U	22 U	22 U
1,3-Dichlorobenzene	UG/M3	**2.6 J**	**3.5 J**	**7.6**	**5.1 J**	6 U	240 U	**2.4 J**	**21 J**	60 U
1,4-Dichlorobenzene	UG/M3	6 U	6 U	6 U	6 U	6 U	240 U	6 U	60 U	60 U
1,4-Dioxane (P-Dioxane)	UG/M3	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	140 U	3.6 U	36 U	36 U
2,2,4-Trimethylpentane	UG/M3	4.7 U	4.7 U	**13**	4.7 U	**1.5 J**	**57 J**	4.7 U	47 U	47 U
2-Chlorotoluene	UG/M3	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	210 U	5.2 U	52 U	52 U
2-Hexanone	UG/M3	**4.1 J**	**2.4 J**	8.2 U	**1.8 J**	**3.5 J**	330 U	**2.9 J**	**9.9 J**	82 U
4-Ethyltoluene	UG/M3	4.9 U	4.9 U	4.9 U	4.9 U	4.9 U	200 U	4.9 U	49 U	49 U
Acetone	UG/M3	**32**	**17**	**140 B**	12 U	**12**	**920 B**	12 U	**65 J**	**38 J**
Allyl Chloride (3-Chloropropene)	UG/M3	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	130 U	3.1 U	31 U	31 U
Benzene	UG/M3	**0.48 J**	3.2 U	**2.6 J**	3.2 U	3.2 U	**53 BJ**	3.2 U	32 U	32 U
Benzyl Chloride	UG/M3	10 U	10 U	10 U	10 U	10 U	410 U	10 U	100 U	100 U
Bromodichloromethane	UG/M3	6.7 U	6.7 U	6.7 U	6.7 U	6.7 U	270 U	6.7 U	67 U	67 U
Bromoform	UG/M3	10 U	10 U	10 U	10 U	10 U	410 U	10 U	100 U	100 U
Bromomethane	UG/M3	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U	160 U	3.9 U	39 U	39 U
Carbon Disulfide	UG/M3	3.1 U	3.1 U	**0.44 J**	3.1 U	3.1 U	120 U	3.1 U	31 U	31 U
Carbon Tetrachloride	UG/M3	6.3 U	6.3 U	6.3 U	6.3 U	6.3 U	250 U	6.3 U	63 U	63 U
Chlorobenzene	UG/M3	4.6 U	4.6 U	4.6 UT	4.6 U	4.6 U	180 U	4.6 U	46 UT	46 U
Chloroethane	UG/M3	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	110 U	2.6 U	26 U	26 U
Chloroform	UG/M3	4.9 U	4.9 U	4.9 U	**0.95 J**	4.9 U	200 U	**16**	49 U	49 U
Chloromethane	UG/M3	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	83 U	2.1 U	21 U	21 U
Cis-1,2-Dichloroethylene	UG/M3	4 U	4 U	4 U	4 U	4 U	160 U	4 U	40 U	40 U
Cis-1,3-Dichloropropene	UG/M3	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	180 U	4.5 U	45 U	45 U

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

Sample Designation:		7_MP-6D	7_MP-6S	7_MP-71-AMB	7_MP-71D	7_MP-71S	7_MP-72D	7_MP-72S	7_MP-7D	7_MP-7S
Sample Date:		10/18/2022	10/18/2022	10/25/2022	10/25/2022	10/25/2022	10/25/2022	10/25/2022	10/17/2022	10/17/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
Cyclohexane	UG/M3	3.4 U	3.4 U	**2.9 J**	3.4 U	3.4 U	**34 J**	3.4 U	34 U	34 U
Dibromochloromethane	UG/M3	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	340 U	8.5 U	85 U	85 U
Dichlorodifluoromethane	UG/M3	**2.3 J**	**2.3 J**	**3.1 J**	**2.1 J**	**2.5 J**	**120 J**	**1.9 J**	49 U	49 U
Ethanol	UG/M3	**11 J+**	9.4 U	**56**	9.4 U	**7 J**	**1200 B**	9.4 U	**64 J**	**54 J**
Ethyl Acetate	UG/M3	**4.2 J**	**1.8 J**	7.2 U	7.2 U	7.2 U	290 U	7.2 U	**16 J**	**22 J**
Ethylbenzene	UG/M3	**1.1 J**	4.3 U	**1.1 J**	4.3 U	4.3 U	**43 J**	4.3 U	43 U	43 U
Hexachlorobutadiene	UG/M3	21 U	21 U	21 U	21 U	21 U	850 U	21 U	210 U	210 U
Isopropanol	UG/M3	**5.1 J+**	**2.3 BJ**	**9.9**	2.5 U	**1.8 J**	**390 B**	2.5 U	**20 J**	**16 J**
m,p-Xylene	UG/M3	**3.9 J**	**2.7 J**	**3.4 J**	**2.5 J**	**1.8 J**	**150 J**	**2.1 J**	43 U	43 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**56**	**27**	**9.6**	**14**	**15**	**59 J**	**19**	**69**	**39**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	**1 BJ**	**1 BJ**	**2.2 J**	4.1 U	**0.97 J**	160 U	4.1 U	41 U	41 U
Methyl Methacrylate	UG/M3	4.1 U	4.1 U	4.1 U	4.1 U	4.1 U	160 U	4.1 U	41 U	41 U
Methylene Chloride	UG/M3	6.9 U	6.9 U	**2.6 J**	6.9 U	6.9 U	**1800**	6.9 U	69 U	69 U
N-Heptane	UG/M3	4.1 U	4.1 U	**1.2 J**	4.1 U	4.1 U	**43 J**	4.1 U	41 U	41 U
N-Hexane	UG/M3	3.5 U	3.5 U	**1.6 J**	3.5 U	3.5 U	**360**	3.5 U	35 U	35 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**1.2 J**	**0.93 J**	**1.2 J**	**0.94 J**	4.3 U	**59 J**	4.3 U	43 U	43 U
Propylene	UG/M3	**2.4**	**1.5 J**	**21 B**	**1.2 J**	**3.1**	**110**	**2.9**	**9.9 BJ**	17 U
Styrene	UG/M3	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	170 U	4.3 U	43 U	43 U
Tert-Butyl Alcohol	UG/M3	**1.6 J**	**0.91 J**	**11**	3 U	3 U	120 U	3 U	30 U	30 U
Tert-Butyl Methyl Ether	UG/M3	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	140 U	3.6 U	36 U	36 U
Tetrachloroethylene (PCE)	UG/M3	**2.3 J**	**4.9 J**	**1.8 J**	**13 J**	14 U	**68 J**	14 U	**19 J**	140 U
Tetrahydrofuran	UG/M3	**3.4**	2.9 U	**3.8**	**4**	2.9 U	120 U	**4.9**	29 U	29 U
Toluene	UG/M3	**9.6**	**5.9**	**8.5**	**3.2 J**	**1.8 J**	**270**	**3.4 J**	**24 J**	**18 J**
Trans-1,2-Dichloroethene	UG/M3	4 U	4 U	4 U	4 U	4 U	160 U	4 U	40 U	40 U
Trans-1,3-Dichloropropene	UG/M3	4.5 U	4.5 U	4.5 U	4.5 U	4.5 U	180 U	4.5 U	45 U	45 U
Trichloroethylene (TCE)	UG/M3	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	210 U	5.4 U	54 U	54 U
Trichlorofluoromethane	UG/M3	**1.4 J**	**1.5 J**	**1.8 J**	**2 J**	**1.3 J**	**76 J**	**1.2 J**	56 U	56 U
Vinyl Acetate	UG/M3	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	140 U	3.5 U	35 U	35 U
Vinyl Bromide	UG/M3	4.4 U	4.4 U	4.4 U	4.4 U	4.4 U	170 U	4.4 U	44 U	44 U
Vinyl Chloride	UG/M3	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	100 U	2.6 U	26 U	26 U

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

Sample Designation:		7_MP-81	7_MP-8D	7_MP-8S	7_MP-9D	7_MP-9S	8_MP-73D	8_MP-73S	8_MP-76D	8_MP-76S
Sample Date:		10/31/2022	10/21/2022	10/21/2022	10/26/2022	10/26/2022	10/25/2022	10/25/2022	10/19/2022	10/19/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
1,1,1-Trichloroethane (TCA)	UG/M3	**1.1 J**	**5 J**	**2.2 J**	55 U	5.5 U	22 U	5.5 U	**0.86 J**	5.5 U
1,1,2,2-Tetrachloroethane	UG/M3	6.9 U	6.9 U	6.9 U	69 U	6.9 U	27 U	6.9 U	**2.3 J**	6.9 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	7.7 U	7.7 U	7.7 U	77 U	7.7 U	31 U	7.7 U	7.7 U	7.7 U
1,1,2-Trichloroethane	UG/M3	5.5 U	5.5 UT	5.5 UT	55 U	5.5 U	22 U	5.5 U	5.5 U	5.5 U
1,1-Dichloroethane	UG/M3	4 U	4 U	4 U	40 U	4 U	16 U	4 U	4 U	4 U
1,1-Dichloroethene	UG/M3	4 U	4 U	4 U	40 U	4 U	16 U	4 U	4 U	4 U
1,2,4-Trichlorobenzene	UG/M3	15 U	15 U	15 U	150 U	15 U	59 U	15 U	15 U	15 U
1,2,4-Trimethylbenzene	UG/M3	9.8 U	**2 J**	**2.1 J**	98 U	9.8 U	39 U	9.8 U	**1.4 J**	9.8 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	7.7 U	7.7 U	7.7 U	77 U	7.7 U	31 U	7.7 U	7.7 U	7.7 U
1,2-Dichlorobenzene	UG/M3	6 U	6 U	6 U	60 U	6 U	24 U	6 U	6 U	6 U
1,2-Dichloroethane	UG/M3	4 U	4 U	4 U	40 U	4 U	16 U	4 U	4 U	4 U
1,2-Dichloropropane	UG/M3	4.6 U	4.6 UT	4.6 UT	46 U	4.6 U	18 U	4.6 U	4.6 U	4.6 U
1,2-Dichlorotetrafluoroethane	UG/M3	7 U	7 U	7 U	70 U	7 U	28 U	7 U	7 U	7 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	9.8 U	9.8 U	9.8 U	98 U	9.8 U	39 U	9.8 U	9.8 U	9.8 U
1,3-Butadiene	UG/M3	2.2 U	2.2 U	2.2 U	22 U	2.2 U	8.8 U	2.2 U	2.2 U	2.2 U
1,3-Dichlorobenzene	UG/M3	**4.1 J**	6 U	6 U	60 U	**1.9 J**	24 U	6 U	**3.2 J**	6 U
1,4-Dichlorobenzene	UG/M3	6 U	6 U	6 U	60 U	6 U	24 U	6 U	6 U	6 U
1,4-Dioxane (P-Dioxane)	UG/M3	3.6 U	3.6 U	3.6 U	36 U	3.6 U	14 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	47 U	4.7 U	**410**	**3.6 J**	4.7 U	4.7 U
2-Chlorotoluene	UG/M3	5.2 U	5.2 U	5.2 U	52 U	5.2 U	21 U	5.2 U	5.2 U	5.2 U
2-Hexanone	UG/M3	8.2 U	**4.2 J**	**3.1 J**	82 U	**0.88 J**	33 U	8.2 U	**2.7 J**	**0.96 J**
4-Ethyltoluene	UG/M3	4.9 U	4.9 U	4.9 U	49 U	4.9 U	20 U	4.9 U	4.9 U	4.9 U
Acetone	UG/M3	**9.4 J**	**17**	**13**	**76 J**	**9.1 J**	48 U	12 U	**19**	**17**
Allyl Chloride (3-Chloropropene)	UG/M3	3.1 U	**0.9 J**	3.1 U	31 U	3.1 U	13 U	3.1 U	3.1 U	3.1 U
Benzene	UG/M3	3.2 U	3.2 U	3.2 U	32 U	3.2 U	13 U	3.2 U	**0.56 J**	3.2 U
Benzyl Chloride	UG/M3	10 U	10 U	10 U	100 U	10 U	41 U	10 U	**1.7 J**	10 U
Bromodichloromethane	UG/M3	6.7 U	6.7 U	6.7 U	67 U	6.7 U	27 U	6.7 U	6.7 U	6.7 U
Bromoform	UG/M3	10 U	10 U	10 U	100 U	10 U	41 U	10 U	10 U	10 U
Bromomethane	UG/M3	3.9 U	3.9 U	3.9 U	39 U	3.9 U	16 U	3.9 U	3.9 U	3.9 U
Carbon Disulfide	UG/M3	3.1 U	3.1 U	3.1 U	31 U	3.1 U	**10 J**	3.1 U	**0.74 J**	3.1 U
Carbon Tetrachloride	UG/M3	6.3 U	6.3 U	6.3 U	63 U	6.3 U	25 U	6.3 U	6.3 U	6.3 U
Chlorobenzene	UG/M3	4.6 U	4.6 UT	4.6 UT	46 U	4.6 U	18 U	4.6 U	**1 J**	4.6 U
Chloroethane	UG/M3	2.6 U	2.6 U	2.6 U	26 U	2.6 U	11 U	2.6 U	2.6 U	2.6 U
Chloroform	UG/M3	**4.7 J**	**2.2 J**	4.9 U	49 U	4.9 U	20 U	4.9 U	**4.5 J**	4.9 U
Chloromethane	UG/M3	2.1 U	2.1 U	2.1 U	21 U	2.1 U	8.3 U	2.1 U	2.1 U	2.1 U
Cis-1,2-Dichloroethylene	UG/M3	4 U	4 U	4 U	40 U	4 U	16 U	4 U	4 U	4 U
Cis-1,3-Dichloropropene	UG/M3	4.5 U	4.5 U	4.5 U	45 U	4.5 U	18 U	4.5 U	4.5 U	4.5 U

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

Sample Designation:		7_MP-81	7_MP-8D	7_MP-8S	7_MP-9D	7_MP-9S	8_MP-73D	8_MP-73S	8_MP-76D	8_MP-76S
Sample Date:		10/31/2022	10/21/2022	10/21/2022	10/26/2022	10/26/2022	10/25/2022	10/25/2022	10/19/2022	10/19/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	Unit									
Cyclohexane	UG/M3	3.4 U	3.4 U	3.4 U	34 U	3.4 U	14 U	3.4 U	3.4 U	3.4 U
Dibromochloromethane	UG/M3	8.5 U	8.5 U	8.5 U	85 U	8.5 U	34 U	8.5 U	8.5 U	8.5 U
Dichlorodifluoromethane	UG/M3	**2.2 J**	**14**	**8.9**	49 U	**2.7 J**	20 U	4.9 U	**2.7 J**	**2.8 J**
Ethanol	UG/M3	**3.9 J**	**4.1 J**	**6.1 J**	94 U	**5.3 J**	38 U	9.4 U	**11**	**10**
Ethyl Acetate	UG/M3	7.2 U	7.2 U	7.2 U	72 U	7.2 U	29 U	7.2 U	7.2 U	7.2 U
Ethylbenzene	UG/M3	4.3 U	4.3 U	4.3 U	43 U	4.3 U	17 U	4.3 U	**1.2 J**	4.3 U
Hexachlorobutadiene	UG/M3	21 U	21 U	21 U	210 U	21 U	85 U	21 U	21 U	21 U
Isopropanol	UG/M3	**1.6 J**	**2.3 J**	**2 J**	**12 J**	**1.6 J**	9.8 U	2.5 U	**3.4**	**2.1 J**
m,p-Xylene	UG/M3	**2.3 J**	**2.4 J**	**2.6 J**	43 U	**1.3 J**	17 U	4.3 U	**1.9 J**	4.3 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**1.2 J**	**29**	**18**	29 U	**1.7 J**	**12**	**1.6 J**	**25**	**20**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	4.1 U	4.1 U	4.1 U	41 U	**1.5 J**	16 U	4.1 U	**1.3 J**	4.1 U
Methyl Methacrylate	UG/M3	4.1 U	4.1 U	4.1 U	41 U	4.1 U	16 U	4.1 U	4.1 U	4.1 U
Methylene Chloride	UG/M3	6.9 U	**1.6 J**	**1.7 J**	69 U	6.9 U	28 U	**0.9 J**	**1.1 J**	6.9 U
N-Heptane	UG/M3	4.1 U	4.1 U	4.1 U	41 U	4.1 U	**4.5 J**	4.1 U	4.1 U	4.1 U
N-Hexane	UG/M3	3.5 U	3.5 U	3.5 U	35 U	3.5 U	**30**	3.5 U	3.5 U	3.5 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**0.88 J**	**0.92 J**	**1.2 J**	43 U	4.3 U	17 U	4.3 U	**1 J**	4.3 U
Propylene	UG/M3	1.7 U	**2.3**	**2**	**6.7 J**	1.7 U	**24**	**0.99 J**	**4.3**	**4.4**
Styrene	UG/M3	4.3 U	4.3 U	4.3 U	43 U	4.3 U	17 U	4.3 U	4.3 U	4.3 U
Tert-Butyl Alcohol	UG/M3	**1 J**	**0.85 J**	3 U	30 U	**2.4 J**	12 U	3 U	3 U	3 U
Tert-Butyl Methyl Ether	UG/M3	3.6 U	3.6 U	3.6 U	36 U	3.6 U	14 U	3.6 U	3.6 U	3.6 U
Tetrachloroethylene (PCE)	UG/M3	**6.5 J**	**8.1 J**	**3.9 J**	140 U	14 U	54 U	14 U	**2.3 J**	14 U
Tetrahydrofuran	UG/M3	**3.8**	**1.9 J**	**2.5 J**	29 U	**3**	12 U	**1.3 J**	**2.3 J**	**2.7 J**
Toluene	UG/M3	**1.2 J**	**3.6 J**	**3.6 J**	38 U	**1.3 J**	15 U	**4.4**	**2.6 J**	**1.6 J**
Trans-1,2-Dichloroethene	UG/M3	4 U	4 U	4 U	40 U	4 U	16 U	4 U	4 U	4 U
Trans-1,3-Dichloropropene	UG/M3	4.5 U	4.5 U	4.5 U	45 U	4.5 U	18 U	4.5 U	4.5 U	4.5 U
Trichloroethylene (TCE)	UG/M3	5.4 U	5.4 U	5.4 U	54 U	5.4 U	21 U	5.4 U	5.4 U	5.4 U
Trichlorofluoromethane	UG/M3	**2.6 J**	**26**	**14**	56 U	**2.6 J**	22 U	5.6 U	**2.1 J**	**1.6 J**
Vinyl Acetate	UG/M3	3.5 U	3.5 U	3.5 U	35 U	3.5 U	14 U	3.5 U	3.5 U	3.5 U
Vinyl Bromide	UG/M3	4.4 U	4.4 U	4.4 U	44 U	4.4 U	17 U	4.4 U	4.4 U	4.4 U
Vinyl Chloride	UG/M3	2.6 U	2.6 U	2.6 U	26 U	2.6 U	10 U	2.6 U	2.6 U	2.6 U

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

Sample Designation:		8_MP-77D	8_MP-77S	8_MP-78-AMB	8_MP-78D	8_MP-78S	8_MP-80	8_MP-80
Sample Date:		10/19/2022	10/19/2022	10/21/2022	10/21/2022	10/21/2022	10/19/2022	10/19/2022
Normal or Field Duplicate:		N	N	N	N	N	N	FD
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	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	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	7.7 U
1,1,2-Trichloroethane	UG/M3	5.5 U	5.5 U	5.5 UT	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	4 U
1,1-Dichloroethene	UG/M3	4 U	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	15 U
1,2,4-Trimethylbenzene	UG/M3	**2.3 J**	9.8 U	9.8 U	**2.3 J**	9.8 U	**1.8 J**	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	7.7 U
1,2-Dichlorobenzene	UG/M3	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2-Dichloroethane	UG/M3	4 U	4 U	4 U	4 U	4 U	4 U	4 U
1,2-Dichloropropane	UG/M3	4.6 U	4.6 U	4.6 UT	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	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	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	2.2 U
1,3-Dichlorobenzene	UG/M3	**7.8**	6 U	6 U	**3 J**	6 U	**7**	6 U
1,4-Dichlorobenzene	UG/M3	6 U	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	3.6 U
2,2,4-Trimethylpentane	UG/M3	4.7 U	4.7 U	**2.7 J**	4.7 U	4.7 U	**0.96 J**	4.7 U
2-Chlorotoluene	UG/M3	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U	5.2 U
2-Hexanone	UG/M3	**3.5 J**	8.2 U	8.2 U	**3.4 J**	8.2 U	**3.1 J**	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	4.9 U
Acetone	UG/M3	**27**	**14**	**17**	**18**	**23**	**18**	**17**
Allyl Chloride (3-Chloropropene)	UG/M3	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Benzene	UG/M3	**0.54 J**	**0.94 J**	**3.3**	**0.64 J**	**1.7 J**	**0.7 J**	**0.41 J**
Benzyl Chloride	UG/M3	10 U	10 U	10 U	**3.9 J**	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	6.7 U
Bromoform	UG/M3	10 U	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	3.9 U
Carbon Disulfide	UG/M3	**0.84 J**	3.1 U	3.1 U	3.1 U	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	6.3 U
Chlorobenzene	UG/M3	4.6 U	4.6 U	4.6 UT	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	2.6 U
Chloroform	UG/M3	4.9 U	**4 J**	4.9 U	4.9 U	**0.58 J**	**0.45 J**	4.9 U
Chloromethane	UG/M3	2.1 U	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	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	4.5 U

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

Sample Designation:		8_MP-77D	8_MP-77S	8_MP-78-AMB	8_MP-78D	8_MP-78S	8_MP-80	8_MP-80
Sample Date:		10/19/2022	10/19/2022	10/21/2022	10/21/2022	10/21/2022	10/19/2022	10/19/2022
Normal or Field Duplicate:		N	N	N	N	N	N	FD
Parameter	Unit							
Cyclohexane	UG/M3	3.4 U	3.4 U	**1.3 J**	3.4 U	**1.1 J**	**0.94 J**	3.4 U
Dibromochloromethane	UG/M3	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
Dichlorodifluoromethane	UG/M3	**2.2 J**	**3 J**	**2.9 J**	**2.7 J**	**4.1 J**	**2.3 J**	**2.2 J**
Ethanol	UG/M3	9.4 U	**30 J+**	**41**	**7.7 J**	**100**	**15 J**	**12 J**
Ethyl Acetate	UG/M3	7.2 U	**0.94 J**	7.2 U	7.2 U	7.2 U	7.2 U	7.2 U
Ethylbenzene	UG/M3	**1.1 J**	4.3 U	**1.9 J**	4.3 U	4.3 U	**0.85 J**	4.3 U
Hexachlorobutadiene	UG/M3	21 U	21 U	21 U	21 U	21 U	21 U	21 U
Isopropanol	UG/M3	**1.3 BJ**	**9 J+**	**6.4**	2.5 U	**15**	**2.3 BJ**	**1.5 BJ**
m,p-Xylene	UG/M3	**3.8 J**	4.3 U	**5.5**	**2.8 J**	**1.1 J**	**3.2 J**	4.3 U
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**47**	**23**	**2.2 J**	**26**	**14**	**35 J**	**24 J**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	**0.74 BJ**	4.1 U	4.1 U	**1.7 J**	4.1 U	4.1 U	4.1 U
Methyl Methacrylate	UG/M3	4.1 U	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	**0.91 J**	**1.1 J**	6.9 U	**2 J**	6.9 UJ	6.9 UJ
N-Heptane	UG/M3	4.1 U	**1.2 J**	**1.2 J**	4.1 U	**0.98 J**	4.1 U	4.1 U
N-Hexane	UG/M3	**1.1 J**	**1.1 J**	**2.6 J**	3.5 U	**1.6 J**	3.5 U	3.5 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**1.4 J**	4.3 U	**2.1 J**	**1 J**	4.3 U	**1.3 J**	4.3 U
Propylene	UG/M3	**3.7**	**2.4**	**4.5**	**2.3**	**7.6**	**2.5**	**2.5**
Styrene	UG/M3	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
Tert-Butyl Alcohol	UG/M3	**0.75 J**	3 U	3 U	3 U	3 U	3 U	3 U
Tert-Butyl Methyl Ether	UG/M3	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U	3.6 U
Tetrachloroethylene (PCE)	UG/M3	14 U	14 U	**4.1 J**	14 U	14 U	**2.2 J**	14 U
Tetrahydrofuran	UG/M3	**1.8 J**	2.9 U	2.9 U	**1.2 J**	**1.3 J**	**3.8**	**3.4**
Toluene	UG/M3	**3.5 J**	**3.6 J**	**14**	**3.8**	**4**	**3.7 J**	3.8 U
Trans-1,2-Dichloroethene	UG/M3	4 U	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	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	5.4 U
Trichlorofluoromethane	UG/M3	**1.7 J**	**1.8 J**	**1.8 J**	**2.1 J**	**2.5 J**	**1.3 J**	**1.2 J**
Vinyl Acetate	UG/M3	3.5 U	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	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	2.6 U

Table 4. Summary of Methane in Soil Vapor, 400 Kingsland Avenue, Brooklyn, 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-13S	7_MP-15-AMB	7_MP-15D	7_MP-15S
Sample Date:		10/17/2022	10/17/2022	10/17/2022	10/17/2022	10/26/2022	10/26/2022	10/28/2022	10/28/2022	10/26/2022	10/26/2022	10/26/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	N
Parameter	Unit											
Methane	MG/M3	**2.4 J**	**1.6 J**	**0.68 J**	**1.6 J**	**1.7 J**	**1.3 J**	**1.3 J**	6.6 U	**3.4 J**	**74**	6.6 U

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

Sample Designation:		7_MP-16D	7_MP-16S	7_MP-17D	7_MP-17S	7_MP-1D	7_MP-1D	7_MP-1S	7_MP-27	7_MP-28	7_MP-28	7_MP-2D
Sample Date:		10/18/2022	10/18/2022	10/18/2022	10/18/2022	10/17/2022	10/17/2022	10/17/2022	10/20/2022	10/20/2022	10/20/2022	10/18/2022
Normal or Field Duplicate:		N	N	N	N	N	FD	N	N	N	FD	N
Parameter	Unit											
Methane	MG/M3	6.6 U	6.6 U	3.3 U	3.3 U	**1.5 J**	**1.4 J**	**2.1 J**	**1.2 J**	33 U	6.6 U	3.3 U

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

Sample Designation:		7_MP-2S	7_MP-30	7_MP-31	7_MP-33	7_MP-33-AMB	7_MP-3D	7_MP-3S	7_MP-4D	7_MP-4S	7_MP-5D	7_MP-5S
Sample Date:		10/18/2022	10/20/2022	10/21/2022	10/20/2022	10/20/2022	11/01/2022	11/01/2022	10/18/2022	10/18/2022	10/18/2022	10/18/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	N
Parameter	Unit											
Methane	MG/M3	**1.8 J**	6.6 U	**9.1**	6.6 U	**1.4 J**	**4.5 J**	6.6 U	**380**	6.6 U	3.3 U	3.3 U

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

Sample Designation:		7_MP-64	7_MP-68	7_MP-6-AMB	7_MP-6D	7_MP-6S	7_MP-71-AMB	7_MP-71D	7_MP-71S	7_MP-72D	7_MP-72S	7_MP-7D
Sample Date:		10/27/2022	10/25/2022	10/18/2022	10/18/2022	10/18/2022	10/25/2022	10/25/2022	10/25/2022	10/25/2022	10/25/2022	10/17/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	N
Parameter	Unit											
Methane	MG/M3	6.6 U	6.6 U	**1.9 J**	6.6 U	6.6 U	**1.7 J**	**2.7 J**	**1.9 J**	**10000**	6.6 U	3.3 U

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

Sample Designation:		7_MP-7S	7_MP-81	7_MP-8D	7_MP-8S	7_MP-9D	7_MP-9S	8_MP-73D	8_MP-73S	8_MP-76D	8_MP-76S	8_MP-77D
Sample Date:		10/17/2022	10/31/2022	10/21/2022	10/21/2022	10/26/2022	10/26/2022	10/25/2022	10/25/2022	10/19/2022	10/19/2022	10/19/2022
Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N	N	N
Parameter	Unit											
Methane	MG/M3	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	6.6 U	**2 J**	**3.6 J**	**2 J**	**2.1 J**	**2 J**

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

Sample Designation:		8_MP-77S	8_MP-78-AMB	8_MP-78D	8_MP-78S	8_MP-80	8_MP-80
Sample Date:		10/19/2022	10/21/2022	10/21/2022	10/21/2022	10/19/2022	10/19/2022
Normal or Field Duplicate:		N	N	N	N	N	FD
Parameter	Unit						
Methane	MG/M3	1.6 J	2.6 J	1.9 J	2.2 J	2.1 J	1.9 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	10/17/2022	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	10/17/2022	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

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	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	10/17/2022	32 U	0.68 J
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	10/17/2022	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
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

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	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	10/26/2022	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
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	10/26/2022	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

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	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
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	10/28/2022	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
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

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	8/3/2009	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	10/26/2022	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	10/26/2022	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
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	10/26/2022	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

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-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	10/18/2022	0.61 J	6.6 U
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	10/18/2022	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
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	10/18/2022	0.38 J	3.3 U
7.MP-17D	11/1/2021	3.2 U	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-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	10/18/2022	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
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	10/17/2022	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

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	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
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	10/17/2022	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
7.MP-1S	8/14/2006	479000	151000 E
7.MP-1S	7/14/2006	225000	166000 E
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

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-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	10/20/2022	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
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	10/18/2022	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

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	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
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	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
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	10/20/2022	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

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-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	10/21/2022	0.48 J	9.1
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	10/20/2022	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

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	3/12/2012	0.64 U	4 J
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	10/20/2022	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	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
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	11/1/2022	32 U	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-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
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	10/18/2022	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	10/18/2022	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
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

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	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	10/18/2022	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
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	10/18/2022	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

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	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
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	10/27/2022	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	10/25/2022	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
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	10/18/2022	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

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-6-AMB	10/16/2017	2 J	6.6 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
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	10/18/2022	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

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	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
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	10/25/2022	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	10/25/2022	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	10/25/2022	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
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	10/25/2022	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

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-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	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	10/25/2022	13 U	2 J
7.MP-73D	11/4/2021	1.7 J	49
7.MP-73D	10/20/2020	2.2 J	280
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	10/25/2022	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	10/17/2022	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
7.MP-7D	10/23/2018	1.6 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-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	10/17/2022	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
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	--

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	11/30/2006	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	10/31/2022	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
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	10/21/2022	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
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

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	8/24/2010	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	10/26/2022	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
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	10/26/2022	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

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-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	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
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	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	10/19/2022	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
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

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-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	10/21/2022	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	10/21/2022	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
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

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-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	10/19/2022	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

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

NEWTOWN CREEK

NORMAN AVENUE

NORTH HENRY STREET

MONITOR STREET

MORGAN AVENUE

HAUSMAN STREET

APOLLO STREET

VAN DAM STREET

VARICK STREET

BRIDGEWATER STREET

MEEKER AVENUE

GARDNER AVENUE

NASSAU AVENUE

KINGSLAND AVENUE

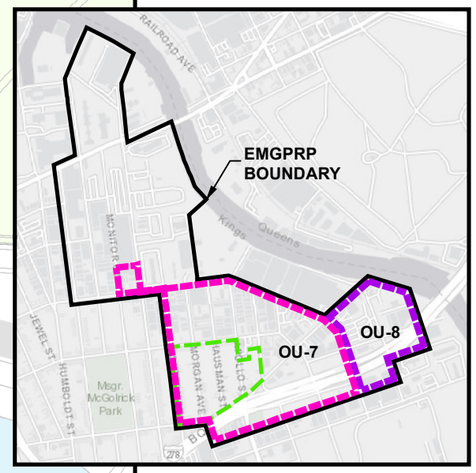
THOMAS STREET

BROOKLYN QUEENS EXPRESSWAY
BQE EB ENTRANCE VANDERVOORT AVE

ANTHONY STREET

DRIGGS AVENUE

LOMBARDY STREET



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

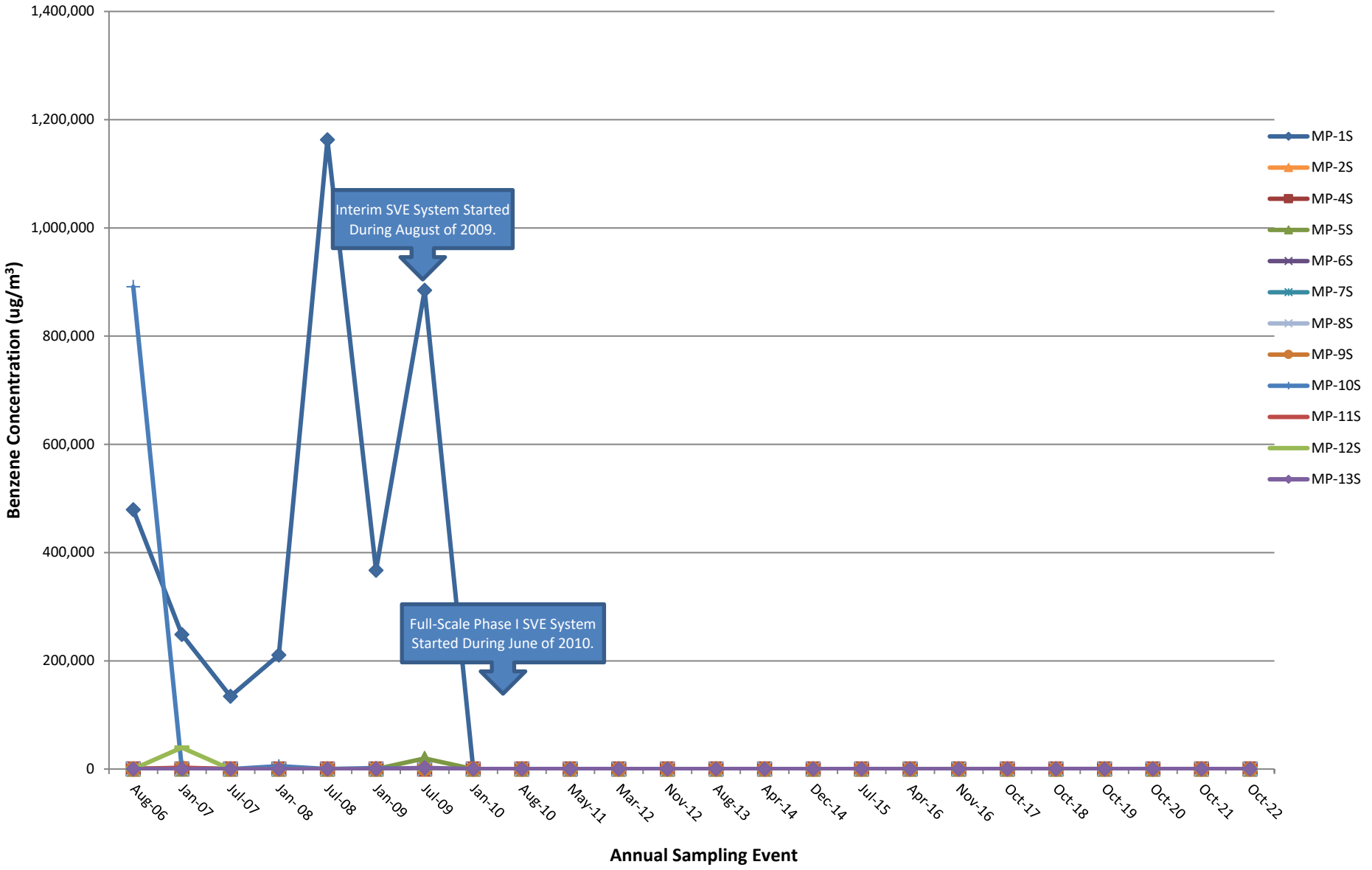
Compiled by: J.C.	Date: 01/26/23	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	1
Project Mgr: C.L.	Project: 0172.0030Y091	
File: 0172.0030Y4954.1.mxd		

V:\GIS\PROJECTS\0172E\0030E\4954\0172.0030Y4954.1.MXD

FIGURE 2

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

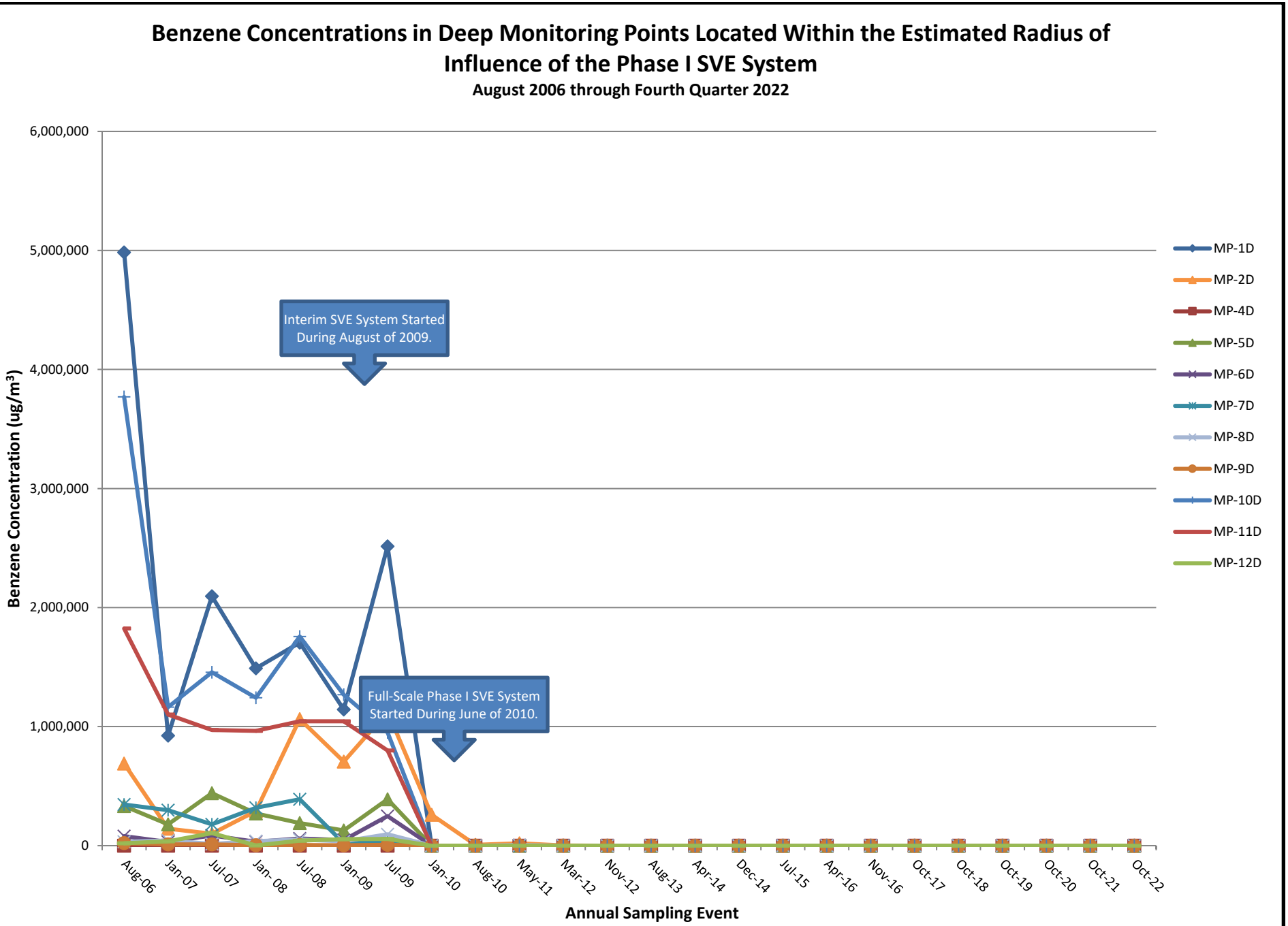
August 2006 through Fourth Quarter 2022



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 3



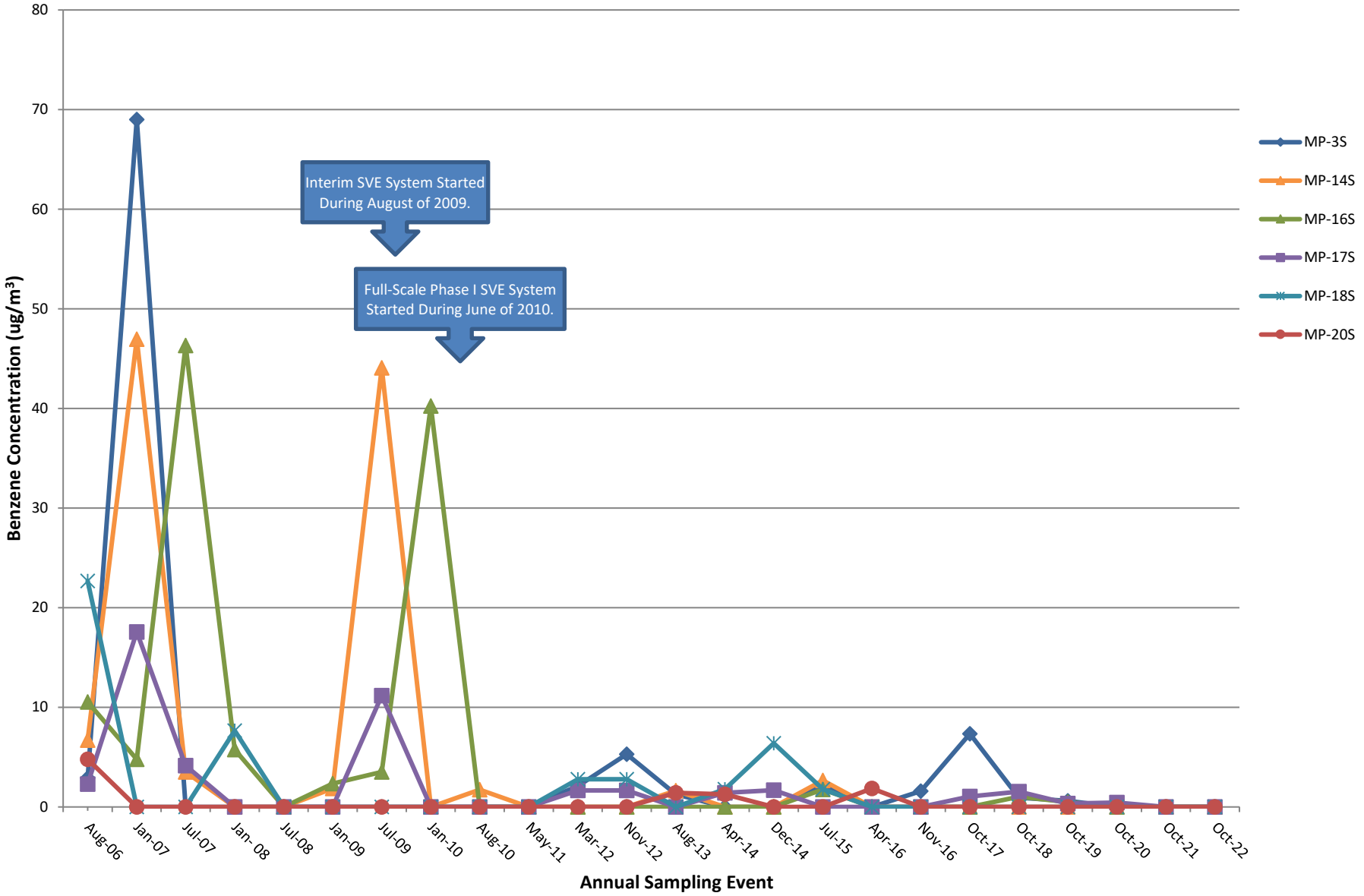
Note: The Site-specific soil vapor screening comparison value for benzene in soil vapor beneath the Commercial/Industrial Areas of the Site is 542,000 micrograms per cubic meter (ug/m³).

ROUX

FIGURE 4

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

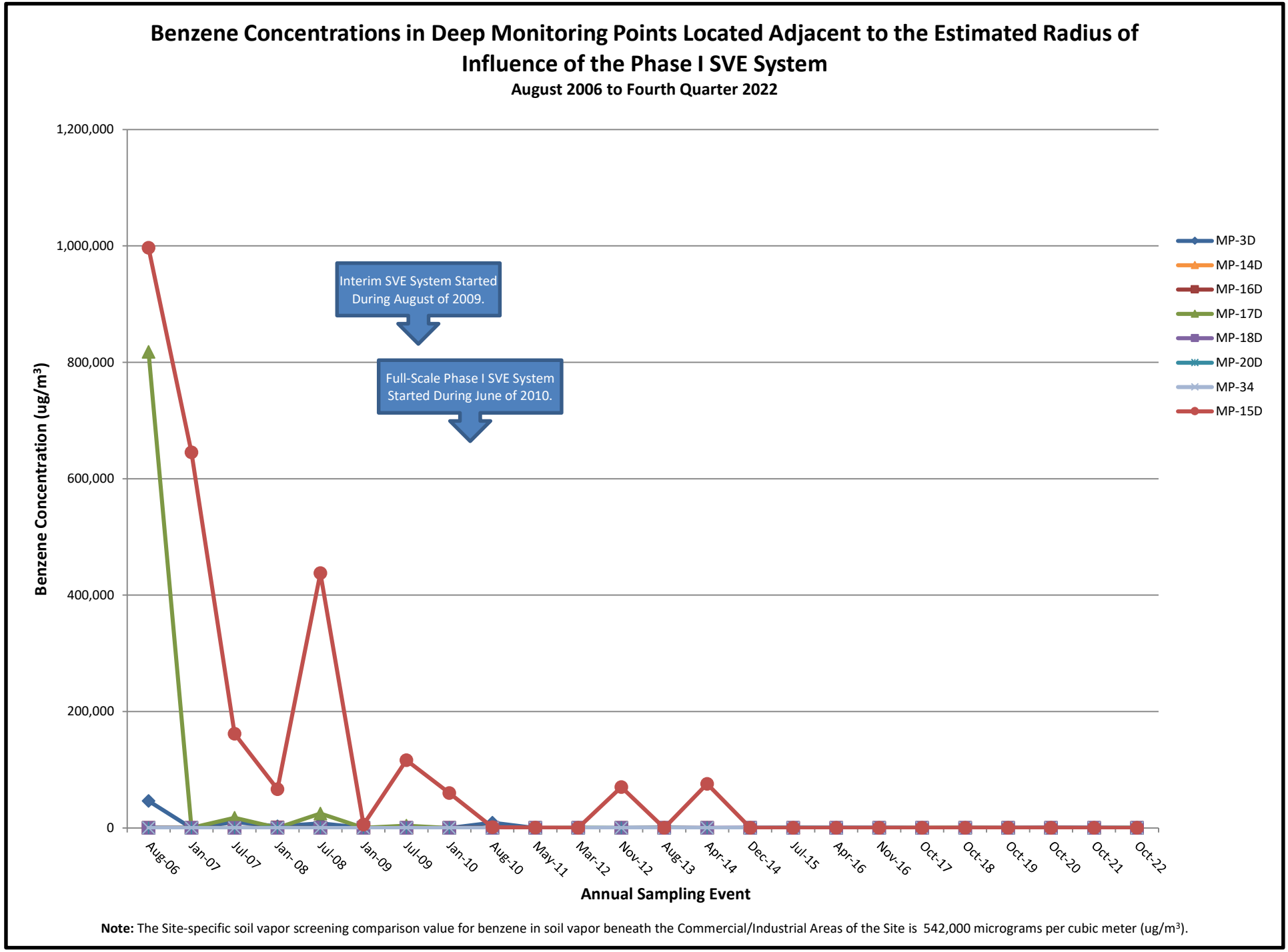
August 2006 through Fourth Quarter 2022



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 5



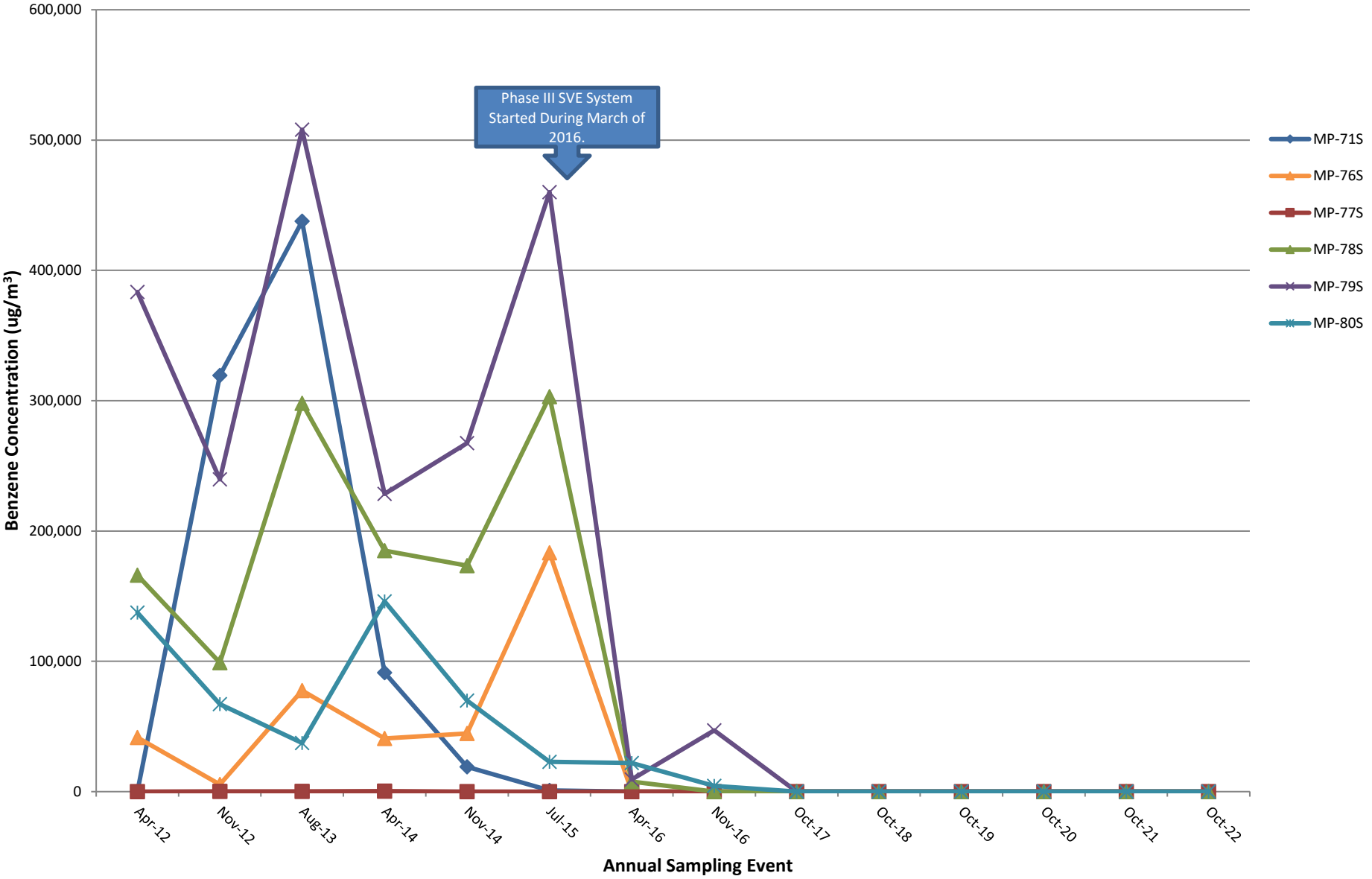
Note: The Site-specific soil vapor screening comparison value for benzene in soil vapor beneath the Commercial/Industrial Areas of the Site is 542,000 micrograms per cubic meter (ug/m³).

ROUX

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 2022



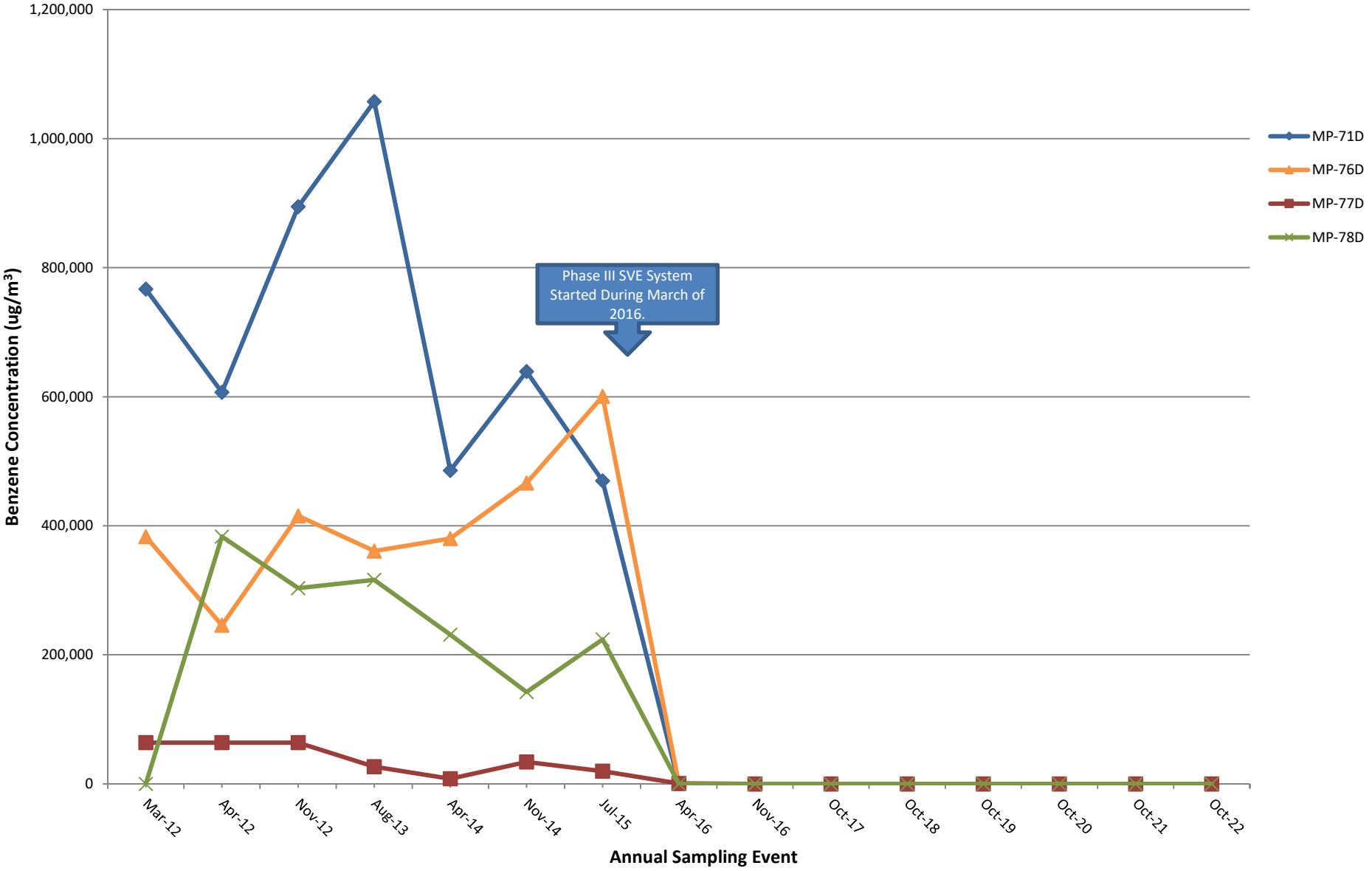
Note: The Site-specific soil vapor screening comparison value for benzene in soil vapor beneath the Commercial/Industrial Areas of the Site is 542,000 micrograms per cubic meter (ug/m³).

ROUX

FIGURE 7

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

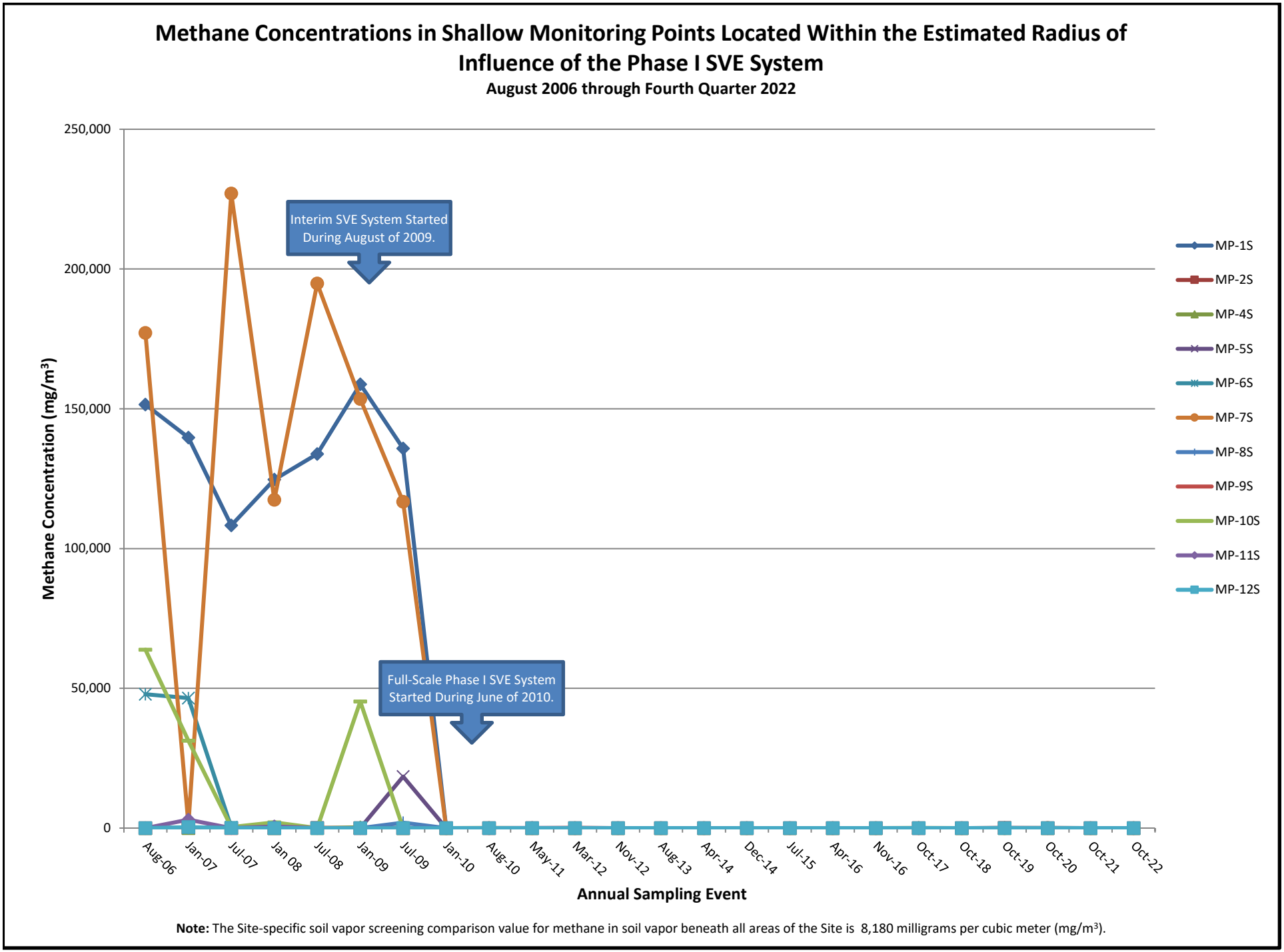
April 2012 through Fourth Quarter 2022



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 8



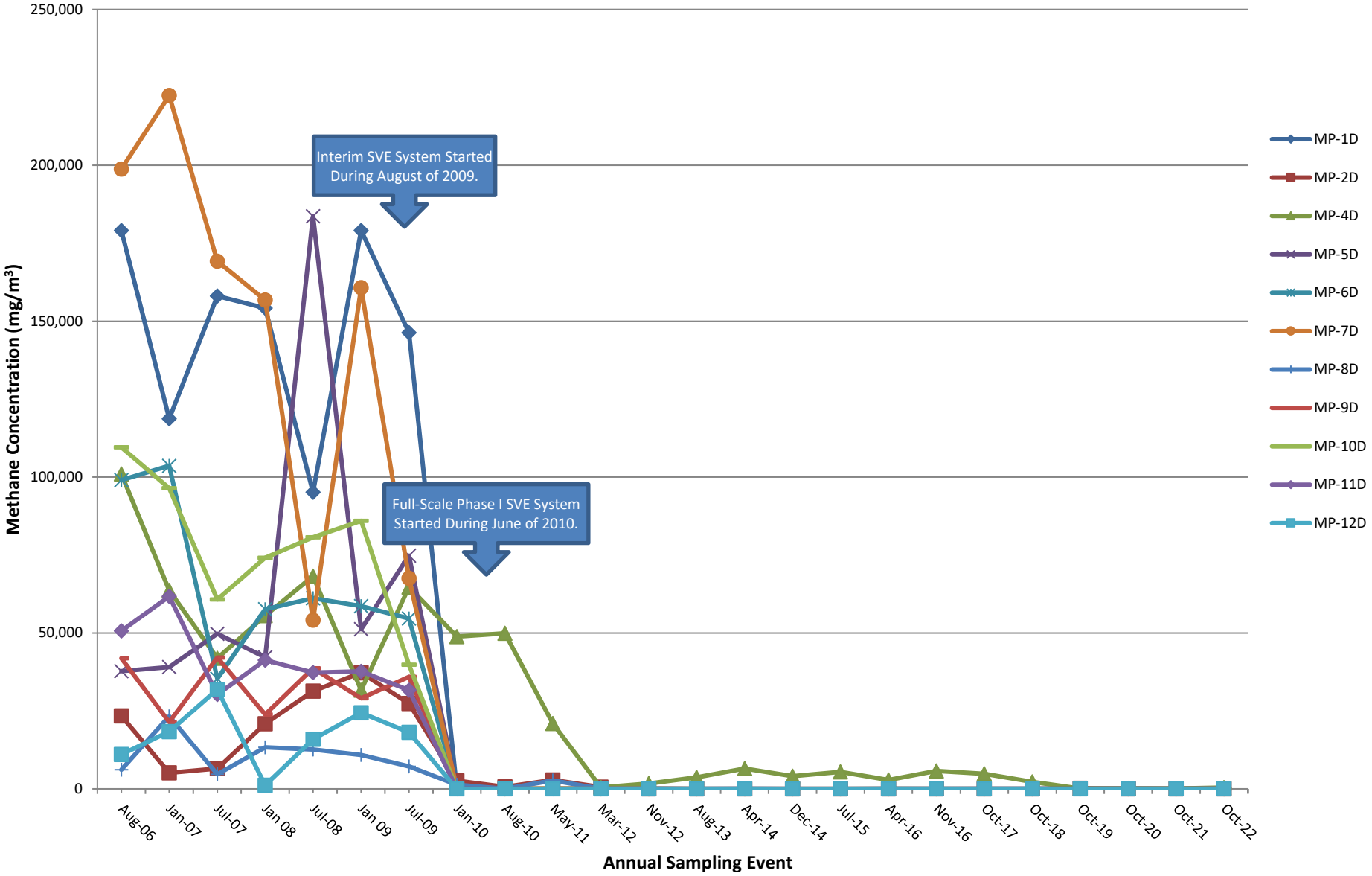
Note: The Site-specific soil vapor screening comparison value for methane in soil vapor beneath all areas of the Site is 8,180 milligrams per cubic meter (mg/m³).

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 2022



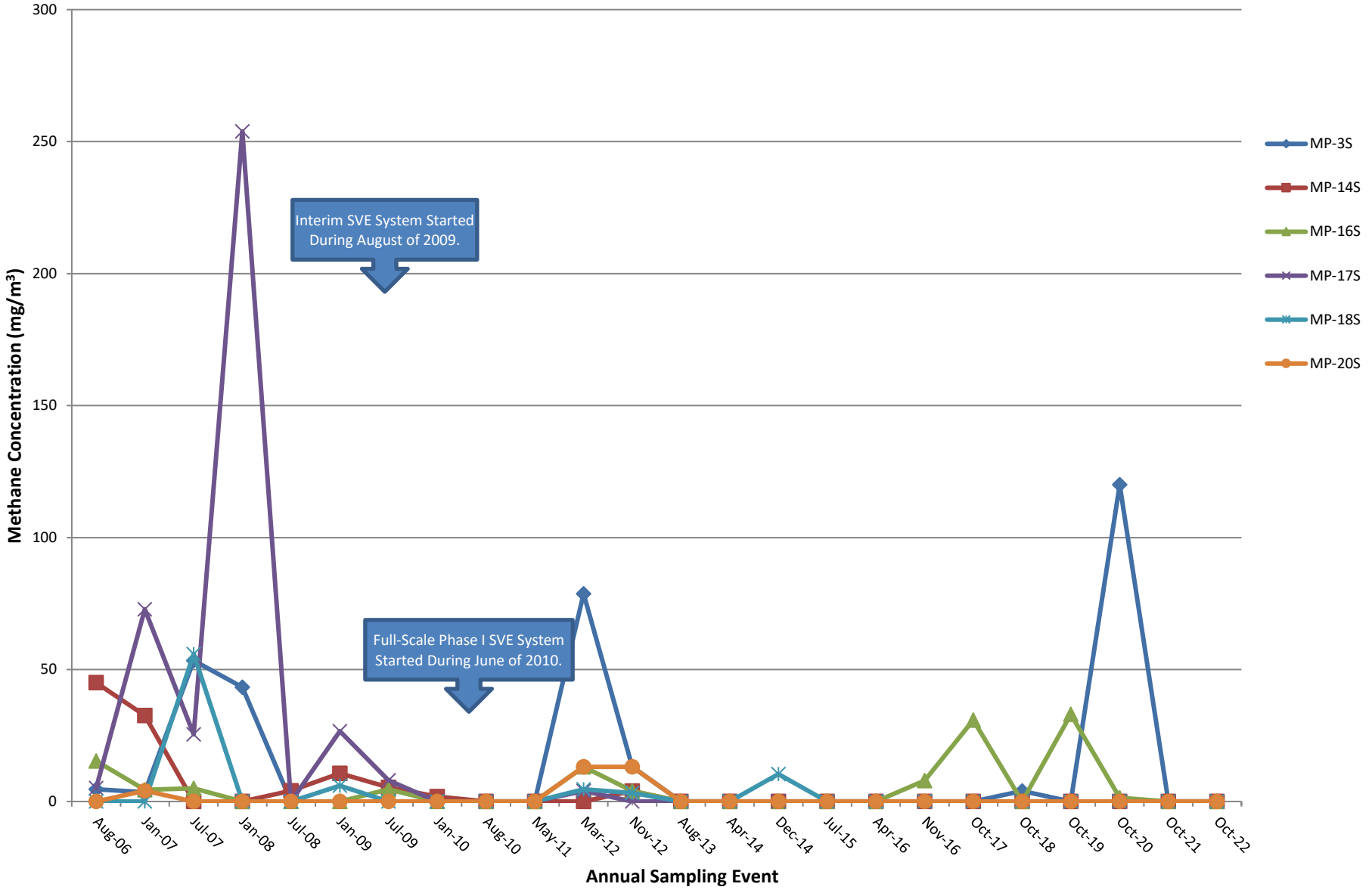
Note: The Site-specific soil vapor screening comparison value for methane in soil vapor beneath all areas of the Site is 8,180 milligrams per cubic meter (mg/m^3).

ROUX

FIGURE 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 2022



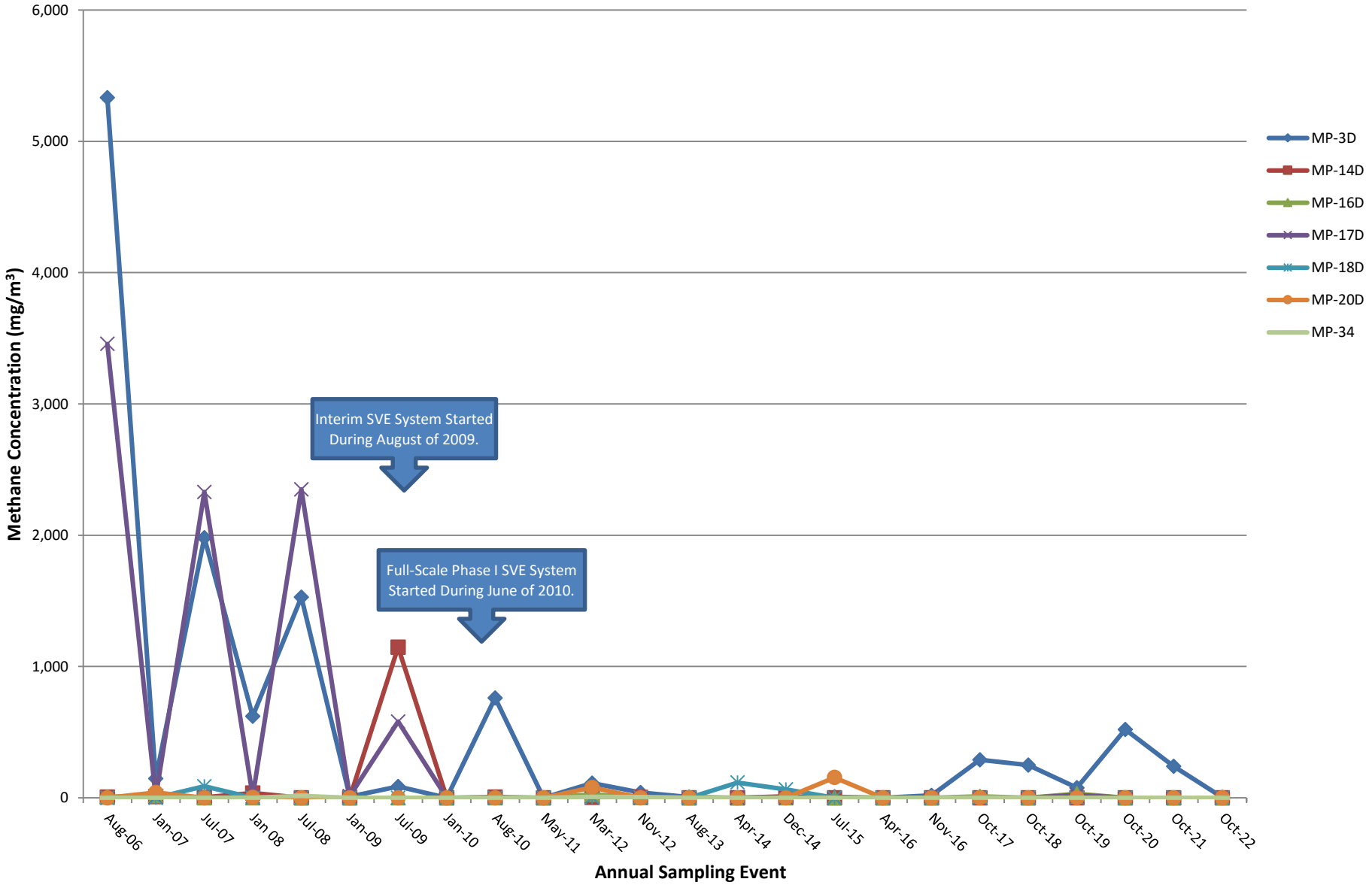
Note: The Site-specific soil vapor screening comparison value for methane in soil vapor beneath all areas of the Site is 8,180 milligrams per cubic meter (mg/m^3).

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 2022



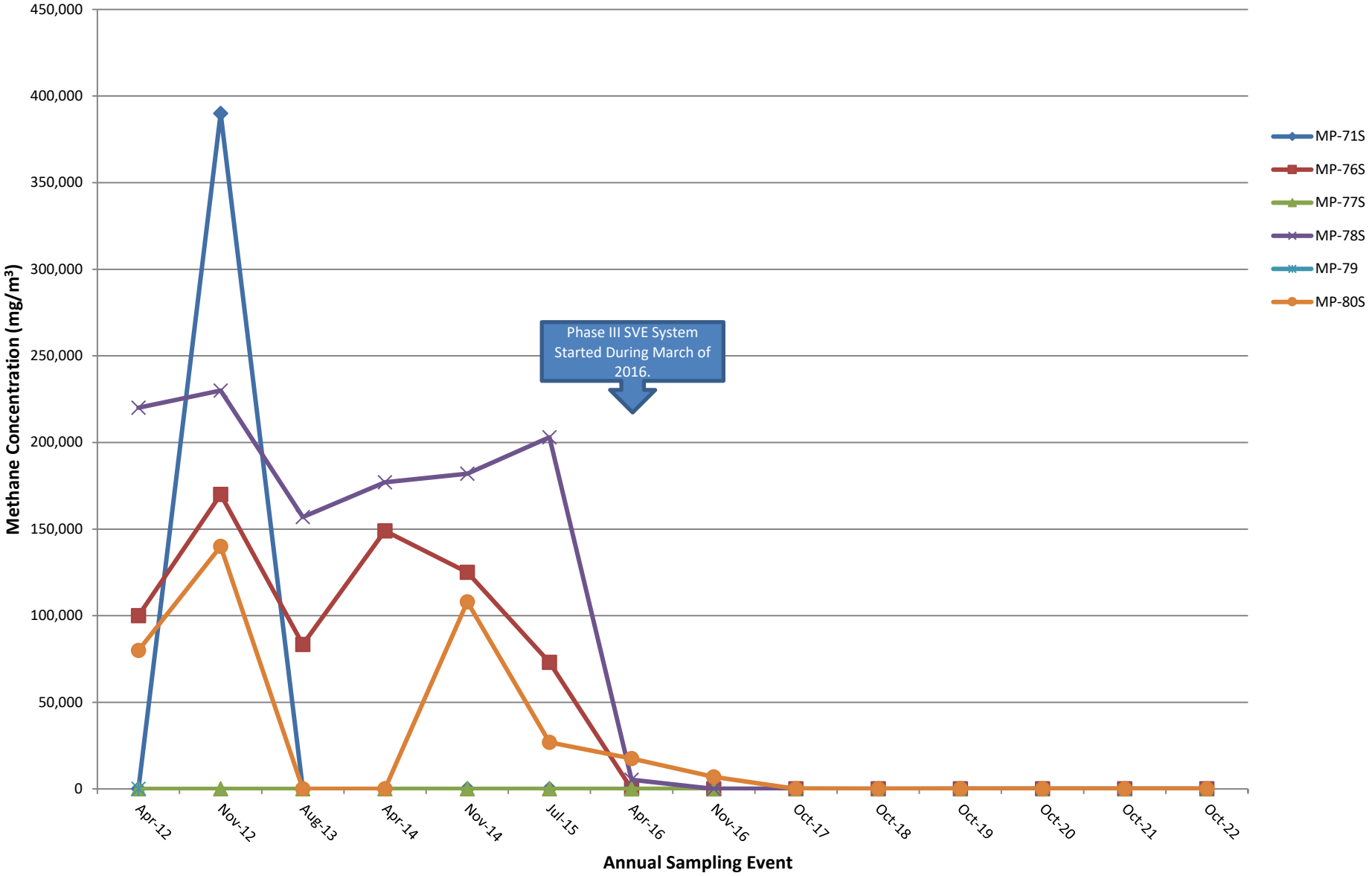
Note: The Site-specific soil vapor screening comparison value for methane in soil vapor beneath all areas of the Site is 8,180 milligrams per cubic meter (mg/m³).

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 2022

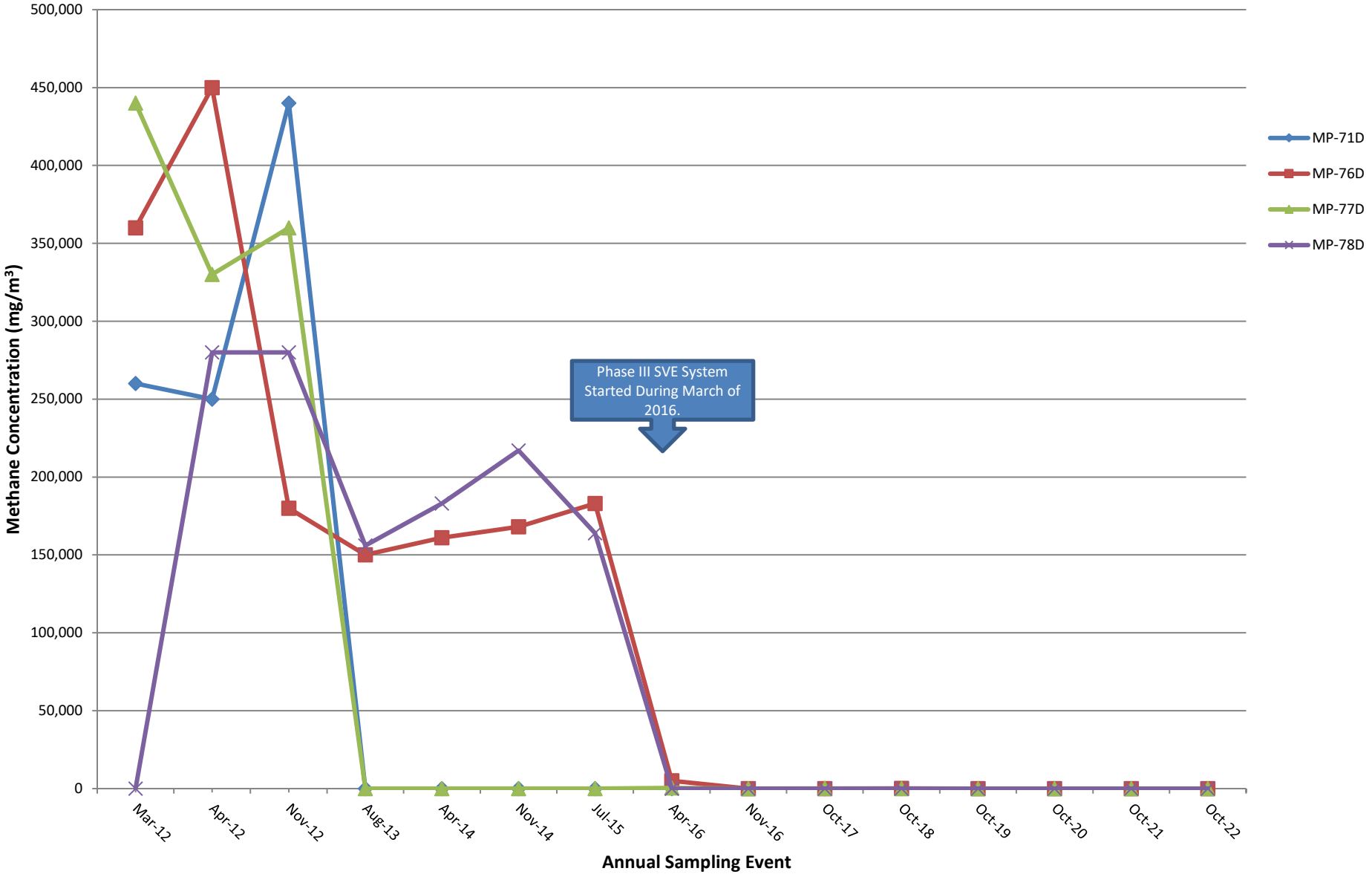


Note: The Site-specific soil vapor screening comparison value for methane in soil vapor beneath all areas of the Site is 8,180 milligrams per cubic meter (mg/m³).

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 2022



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	September 21, 2022	
103 Apollo, LLC.	17 Crawford Road Englishtown, New Jersey 07726	103 Apollo Street	Yes	September 22, 2022	
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	September 22, 2022	
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	September 21, 2022	
R & M Marcantonio Corp.	5 The Rise Woodbury, New York 11797	71 Van Dam Street 75 Van Dam Street 79 Bridgewater Street	Yes	September 21, 2022	
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	September 22, 2022	
Wallabout Metal Co., Inc.	974 Meeker Avenue Brooklyn, New York 11222	990 Meeker Avenue 974 Meeker Avenue	Yes	September 21, 2022	
Hercules Management Co.	900 Meeker Avenue Brooklyn, New York 11222	900 Meeker Avenue	Yes	September 21, 2022	
The Anthony Paul Argento Irrevocable Trust	203 Meserole Avenue, Brooklyn, NY 11222	21 Bridgewater Street	Yes	September 21, 2022	
Lam's Development 686, LLC.	4435 College Point Blvd, Flushing, New York, 11355	326 Norman Avenue	No	NA	Returned by Walsh. Second delivery attempt via FedEx. Returned by FedEx.
551 Stewart Realty Trust	9 Applegreen Drive, Old Westbury NY 11568	551 Stewart Avenue	Yes	September 30, 2022	Returned by Walsh. Shipped via FedEx.
958 Property Group LLC	970 Meeker Avenue Brooklyn NY 11222	958 Meeker Avenue 970 Meeker Avenue	Yes	September 21, 2022	
LINY Properties, Inc.	885 Meeker Avenue Brooklyn, NY 11222	899 Meeker Avenue	Yes	September 21, 2022	
Gardner Avenue, LLC.	299 Edison Avenue, West Babylon NY 11704	570 Gardner Avenue	Yes	September 21, 2022	
MTA Real Estate	347 Madison Avenue New York, NY 10017	1000 Meeker Avenue	Yes	September 21, 2022	
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	September 21, 2022	
Waste Management of New York	562 Gardner Avenue Brooklyn, NY 11222	562 Gardner Avenue	Yes	September 21, 2022	
C & L Associates	66 Van Dam Street Brooklyn NY 11222	59 Bridgewater Street	Yes	September 30,2022	Returned by Walsh. Shipped via FedEx.
Lai Family Limited Partnership	2216 NY-106, Muttontown, NY 11791	253 Norman Avenue 259 Norman Avenue 252 Monitor Street	Yes	September 30, 2022	Returned by Walsh. Shipped via FedEx.
Crosswood, LLC.	47 Bridgewater Street Brooklyn NY 11222	37 Varick Street 47 Bridgewater Street	Yes	September 21, 2022	
121 Hausman Street LLC	79-51 Cooper Avenue, Glendale, NY, 11385	121 Hausman St	Yes	September 21, 2022	

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	September 21, 2022	
Tandem Holding Corp.	120 Hausman St Brooklyn, New York 11222	322 Norman Avenue	Yes	September 21, 2022	
640 Morgan Realty, LLC.	640 Morgan Ave Brooklyn, NY 11222	640 Morgan Avenue	Yes	September 21, 2022	
890 Meeker Avenue Corp.	890 Meeker Ave Brooklyn, NY 11222	890 Meeker Avenue	Yes	September 21, 2022	
Valemill Realty Corp.	94 Hausman Street Brooklyn NY 11222	94 Hausman Street	Yes	September 21, 2022	

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE INC

ACCT. NO. 03169

PRO. NO. V760028

BONDED & INSURED
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(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

DATE 09/21/22

ROUX		SHIPPED TO 269 NORMAN AV.	
		269 N AV	
ISLANDIA	ZIP	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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A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES OPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

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	

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NSIGNEE SIGN

PRINT LAST NAME

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PICKUP RECEIPT

Ref: 01720030y4921/j. Date: 21Sep22
Dep: 01720030y4921/j. Wgt: 0.15 LBS

DV:

Svcs: STANDARD OVERNIGHT
TRCK: 5662 0787 0679

SHIPPING:	0.00
SPECIAL:	0.00
HANDLING:	0.00
0.00 TOTAL:	0.00

ORIGIN ID:WLMA (631) 232-2600
MARGOT DEPEPPE-KWARTA
ROUX ASSOCIATES, INC.
209 SHAFTER STREET

ISLANDIA, NY 117495074
UNITED STATES US

SHIP DATE: 21SEP22
ACTWGT: 0.15 LB MAN
CAD: 0891928/CAFE3616

BILL THIRD PARTY

TO **103 APOLLO, LLC.**

17 CRAWFORD ROAD

ENGLISHTOWN NJ 07726

DEPT: 01720030Y4921/J. CARAMES

REF: 01720030Y4921/J. CARAMES

S77C1/FEC8C/432A

FedEx Express

TRK# 0201 **5662 0787 0679**

THU – 22 SEP 4:30P
STANDARD OVERNIGHT

E2 OTZA

07726
NJ – US **EWR**

Part # 156148-434 RIT EXP 01/2n

FedEx

September 29, 2022

Dear Customer,

The following is the proof-of-delivery for tracking number: 566207870679

Delivery Information:

Status:	Delivered	**Delivered To:**	Residence
Signed for by:	Signature not required	**Delivery Location:**	
Service type:	FedEx Standard Overnight		
Special Handling:	Deliver Weekday; Residential Delivery		Englishtown, NJ,
		Delivery date:	Sep 22, 2022 09:23

Shipping Information:

Tracking number:	566207870679	**Ship Date:**	Sep 21, 2022
		Weight:	0.5 LB/0.23 KG

Recipient:	**Shipper:**
Englishtown, NJ, US,	Islandia, NY, US,

Reference	01720030y4921/j. Carames
Department Number	01720030y4921/j. Carames

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Ref: 01720030y4921/j. Date: 21Sep22
Dep: 01720030y4921/j. Wgt: 0.15 LBS
DV:
Svcs: STANDARD OVERNIGHT
TRCK: 5662 0787 0680
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
0.00 TOTAL: 0.00
ORIGIN ID:WLMA (631) 232-2600
MARGOT DEPEPPE-KWARTA
ROUX ASSOCIATES, INC.
209 SHAFTER STREET
ISLANDIA, NY 117495074
UNITED STATES US
SHIP DATE: 21SEP22
ACTWGT: 0.15 LB MAN
CAD: 0891928/CAFE3616
BILL THIRD PARTY
TO ATT: JOHN BUZZETTA
JDB REALTY HOLDINGS, INC.
17 CRAWFORD RD
MANALAPAN NJ 07726
REF: 01720030Y4921/J. CARAMES
DEPT: 01720030Y4921/J. CARAMES
577C1/ECBC/432A
FedEx Express
THU - 22 SEP 4:30P
STANDARD OVERNIGHT
TRK# 0201 5662 0787 0680
07726
NJ-US EWR
E2 OTZA

FedEx

September 29, 2022

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The following is the proof-of-delivery for tracking number: 566207870680

Delivery Information:

Status:	Delivered	**Delivered To:**	Residence
Signed for by:	Signature not required	**Delivery Location:**	
Service type:	FedEx Standard Overnight		
Special Handling:	Deliver Weekday; Residential Delivery		Manalapan, NJ,
		Delivery date:	Sep 22, 2022 09:23

Shipping Information:

Tracking number:	566207870680	**Ship Date:**	Sep 21, 2022
		Weight:	0.5 LB/0.23 KG

Recipient:	**Shipper:**
Manalapan, NJ, US,	Islandia, NY, US,

Reference	01720030y4921/j. Carames
Department Number	01720030y4921/j. Carames

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NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE INC

ACCT. NO. 03170

PRO. NO. V760035

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(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

DATE 09/21/22

SHIPPED FROM		SHIPPED TO	
ROCX		MILL PAPER BOX	
		207 MEEKER AV	
ISLANDIA	ZIP	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 1	☐ ENVELOPE	☐ BOX	OTHER	WEIGHT

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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					
322	322	A.M.	P.M.	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

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PICKUP RECEIPT

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PRO. NO. V757219
03171

DATE 9-21-22

SHIPPED FROM		SHIPPED TO	
ROUX		R+H MARCANTONIO	
		5- THE RISE	
ESLNDA	ZIP	WDBRY,	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

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY
246	246	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

Ref: 01720030y4921/j. Date: 21Sep22
Dep: 01720030y4921/j. Wgt: 0.15 LBS

DV:

Svce: STANDARD OVERNIGHT
TRCK: 5662 0787 0668

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
0.00 TOTAL: 0.00

ORIGIN ID:WLMA (631) 232-2600
MARGOT DEPEPPE-KWARTA
ROUX ASSOCIATES, INC.
209 SHAFTER STREET

ISLANDIA, NY 117495074
UNITED STATES US

SHIP DATE: 21SEP22
ACTWGT: 0.15 LB MAN
CAD: 0891928/CAFE3616

BILL THIRD PARTY

TO '81 APOLLO STREET LLC &
90 HAUSMAN ST, LLC
86-88 HAUSMAN ST

BROOKLYN NY 11222

DEPT: 01720030Y4921/J. CARAMES
REF: 01720030Y4921/J. CARAMES

577C1/ECBC/4328

FedEx Express

J222022032301 1uv

TRK# 0201 5662 0787 0668

THU - 22 SEP 4:30P
STANDARD OVERNIGHT

09 GAMA

11222
NY-US JFK

Part # 156148-434 RIT EXP 01/20

September 29, 2022

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Delivery Information:

Status:	Delivered	**Delivered To:**	Residence
Signed for by:	Signature not required	**Delivery Location:**	
Service type:	FedEx Standard Overnight		
Special Handling:	Deliver Weekday		Brooklyn, NY,
		Delivery date:	Sep 22, 2022 12:50

Shipping Information:

Tracking number:	566207870668	**Ship Date:**	Sep 21, 2022
		Weight:	0.5 LB/0.23 KG

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

Reference	01720030y4921/j. Carames
Department Number	01720030y4921/j. Carames

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WALSH MESSENGER SERVICE INC

ACCT. NO. 03172

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(516) 746-4348 • FAX (516) 746-4012 • (718) 291-2220

PRO. NO. V 760012

DATE 09/21/22

SHIPPED FROM		SHIPPED TO	
ROUX		WALLABOUT METAL	
		774 MEEKER AV	
ISLANDIA	ZIP	GREENPOINT 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

CHARGES

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY A.M. P.M.	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. 03173

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

PRO. NO. V760013

DATE 09/21/22

SHIPPED FROM		SHIPPED TO	
ROUX		HERCULES MGMT	
		900 MEEKER AV	
ISLANDIA	ZIP,	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 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
JJ2	JJ2	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. 03174

PRO. NO. V 760023

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

DATE 09/21/22

SHIPPED FROM		SHIPPED TO	
ROUX		ANTHONY PAUL ARGENTO	
		203 MEJORDE AV	
ISLANDIA	ZIP	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

CHARGES

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

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

PRO. NO. V 750914

DATE 9/21/22

SHIPPED FROM		SHIPPED TO	
Rock Assoc		Lan's Level	
329 Shaffer St		44-35 College Rd	
Islandia ZIP		Flush 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
405		A.M. P.M.

CHARGES

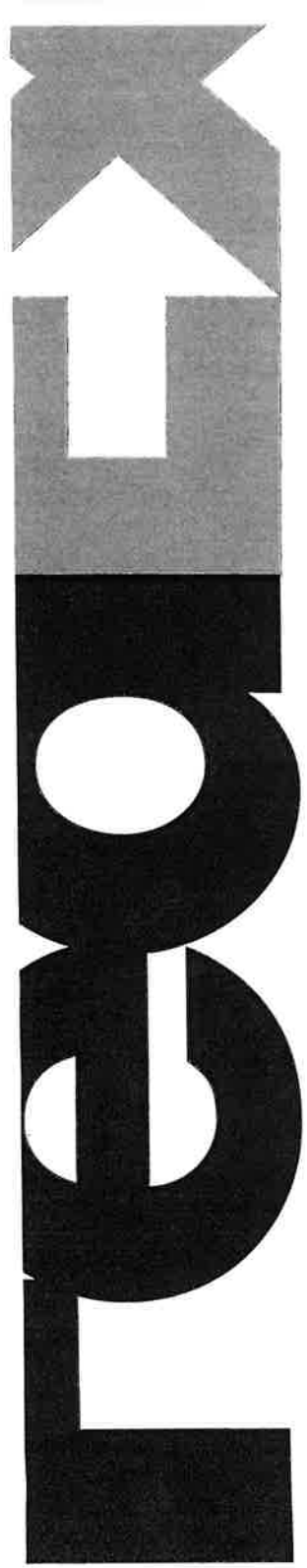
WAITING TIME		C.O.D.	
PICK-UP CHARGE		OTHER	
RE-DELIVERY		SERVICE	
BULK CHARGE		TOTAL	

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



ORIGIN ID:MELH
MARGOT DEPEPPE-KWARTA
ROUX ASSOCIATES, INC.
209 SHAFTER STREET

ISLANDIA, NY 117495074
UNITED STATES US

ACTWGT: 0.15 LB MAN
CAD: 0891928/CAFE3616

BILL THIRD PARTY

TO **LAM'S DEVELOPMENT 686, LLC.**

4435 COLLEGE POINT BLVD

FLUSHING NY 11355

REF: 01720030Y4921/J. CARAMES

DEPT: 01720030Y4921/J. CARAMES

577C1/EC8C/432A

FedEx Express

J22202203280l uv

FRI - 30 SEP 4:30P
STANDARD OVERNIGHT

TRK# 0201 **5662 0787 0885**

09 LGAA

11355
NY-US **JFK**

Showing 1 of 2

UPDATED DELIVERY

Pending

Initially expected: Friday, 9/30/2022

DELAYED

DELIVERY STATUS

Delivery exception

TRACKING ID

566207870885

FROM
Islandia, NY US

Label Created
9/29/2022 12:04 PM

PACKAGE RECEIVED BY FEDEX
RONKONKOMA, NY
9/29/2022 5:08 PM

IN TRANSIT
MASPETH, NY
10/1/2022 5:12 PM

OUT FOR DELIVERY
MASPETH, NY
9/30/2022 9:11 AM

TO
FLUSHING, NY US

UPDATED DELIVERY
Pending

Initially expected
9/30/2022

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

Alerts (3)

Sign up for Status Updates to get updated as we have more information.

Unable to deliver shipment, returned to shipper
Recommended action: No action is required. The package is being returned to the shipper.

No scheduled delivery date available at this time.

Manage Delivery

Shipment facts

Travel history

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. V757222
0376

DATE 9-21-22.

SHIPPED FROM		SHIPPED TO	
	ROUX		551-STEWART REALTY
			9-APPLEGREEN DR.
	ESUDA. ZIP		O.W. 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

CHARGES

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

PICKUP DRIVER 246

DELIVERING DRIVER 246

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

PICKUP RECEIPT

ORIGIN ID:WLMA (631) 232-2600
MARGOT DEPEPPE-KWARTA
ROUX ASSOCIATES, INC.
209 SHAFTER STREET

ISLANDIA, NY 117495074
UNITED STATES US

SHIP DATE: 29SEP22
ACTWGT: 0.15 LB MAN
CAD: 0891928/CAFE3616

BILL THIRD PARTY

TO **551 STEWART REALTY TRUST**

9 APPLEGREEN DRIVE

OLD WESTBURY NY 11568

DEPT: 01720030Y4921/J. CARAMES

REF: 01720030Y4921/J. CARAMES

577C1/ECBC/432A

FedEx Express

J222202032801uv

REL# 3785346

TRK# 0201 **5662 0787 0900**

FRI – 30 SEP 4:30P
STANDARD OVERNIGHT

09 BPAA

NSR
11568
NY-US **JFK**

December 19, 2022

Dear Customer,

The following is the proof-of-delivery for tracking number: 566207870900

Delivery Information:			
Status:	Delivered	**Delivered To:**	Residence
Signed for by:	Signature not required	**Delivery Location:**	
Service type:	FedEx Standard Overnight		
Special Handling:	Deliver Weekday; Residential Delivery; No Signature Required		OLD WESTBURY, NY,
		Delivery date:	Sep 30, 2022 12:22

Shipping Information:			
Tracking number:	566207870900	**Ship Date:**	Sep 29, 2022
		Weight:	0.5 LB/0.23 KG

Recipient:	**Shipper:**
OLD WESTBURY, NY, US,	Islandia, NY, US,

Department Number	01720030y4921/j. Carames

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. 03177

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

PRO. NO. V760019

DATE 09/21/22

SHIPPED FROM		SHIPPED TO	
ROUX		958 PROP. GR.	
		970 MECKER AV	
ISLANDIA	ZIP.	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 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

CHARGES

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

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY
JJ	JJ	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

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE INC

ACCT. NO. 03178

PRO. NO. V760014

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

DATE 09/01/22

FROM			SHIPPED TO		
ROUX			LINY PROP.		
			885 MEEKER AV		
ISLANDIA	ZIP		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.
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VALUE

SIGNED

CHARGES

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

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

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.

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

PRO. NO. V 757218

03-79

DATE 9-21-22

SHIPPED FROM		SHIPPED TO	
ROUX		GARDNER AVE,	
		299 EDISON AVE	
ISLIP	ZIP	W. BAB	ZIP
CUSTOMER REFERENCE MARGOT	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.
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VALUE

SIGNED

CHARGES

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

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY
246	246	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

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE inc

ACCT. NO. 03180

PRO. NO. V757984

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

DATE 7/21/22

SHIPPED FROM		SHIPPED TO	
ROUX ASSOCIATES		MTA REAL ESTATE	
209 SUMTER ST		347 MAD AVE	
ISCANDIA	ZIP	NYC	ZIP
CUSTOMER REFERENCE MARGOT	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.
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VALUE

SIGNED

CHARGES

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY A.M. P.M.				
YX	YX		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. 03181

PRO. NO. V 760026

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

DATE 09/21/22

SHIPPED FROM		SHIPPED TO	
ROUX		PEERLESS EQUITIES	
		1C PRIDGEWATER ST	
JHANDIA	ZIP	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.
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VALUE

SIGNED

CHARGES

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

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY
22	212	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

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE INC

ACCT. NO. 03182

PRO. NO. V 760020

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

DATE 09/21/22

ROUX		SHIPPED TO	WASTE MGMT OF NY
			562 GARDNER AV
ISLANDIA	ZIP		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.

S A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES ROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS 0) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

CHARGES

P DRIVER	DELIVERING DRIVER	SIGNED	WAITING TIME / C.O.D.
JJ	JJ	TIME OF DELIVERY A.M. P.M.	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

ONSIGNEE 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. 03183

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

PRO. NO. V760031

DATE 09/21/22

FROM: ROUX
JAMAICA ZIP
CUSTOMER REFERENCE C.O.D.

SHIPPED TO: C & L ASSOC.
66 VAN DAM ST
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.

SS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS .00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

P DRIVER	DELIVERING DRIVER	SIGNED / TIME OF DELIVERY
JJ	JJ	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

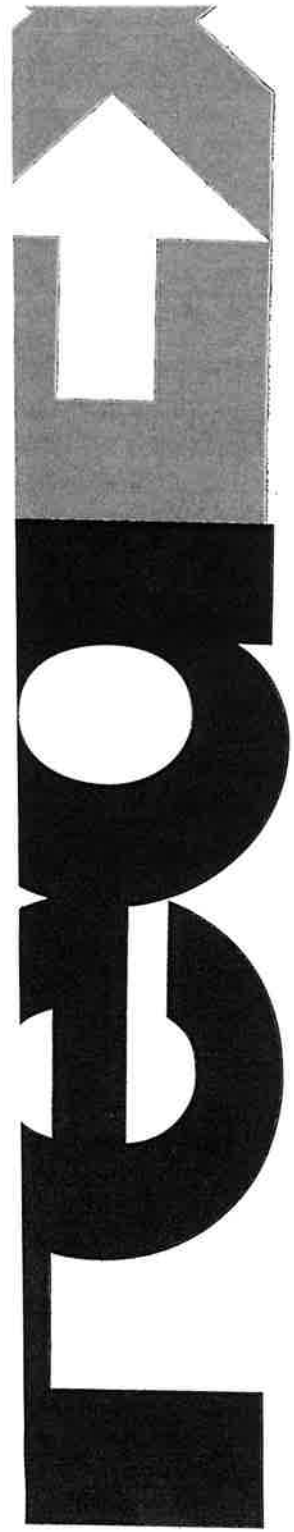
ONSIGNEE SIGN — PRINT LAST NAME

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



UNITED STATES US

BILL THIRD PARTY

TO C & L ASSOCIATES

66 VAN DAM STREET

BROOKLYN NY 11222

DEPT: 01720030Y4921/J. CARAMES

REF: 01720030Y4921/J. CARAMES

FedEx Express

TRK# 0201 5662 0787 0874

FRI - 30 SEP 4:30P
STANDARD OVERNIGHT

09 GAMA

11222
NY-US JFK

December 19, 2022

Dear Customer,

The following is the proof-of-delivery for tracking number: 566207870874

Delivery Information:

Status:	Delivered	**Delivered To:**	Residence
Signed for by:	Signature not required	**Delivery Location:**	
Service type:	FedEx Standard Overnight		
Special Handling:	Deliver Weekday		BROOKLYN, NY,
		Delivery date:	Sep 30, 2022 14:47

Shipping Information:

Tracking number:	566207870874	**Ship Date:**	Sep 29, 2022
		Weight:	0.5 LB/0.23 KG

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

Reference	01720030y4921/j. Carames
Department Number	01720030y4921/j. Carames

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 757221
CB184

DATE 9-21-22

SHIPPED FROM		SHIPPED TO	
ROUX		MY FAMILY	
		216 RTE #106	
ISLIP	ZIP	SOST.	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 (50c) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

CHARGES

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

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY
246	246	A.M. P.M.

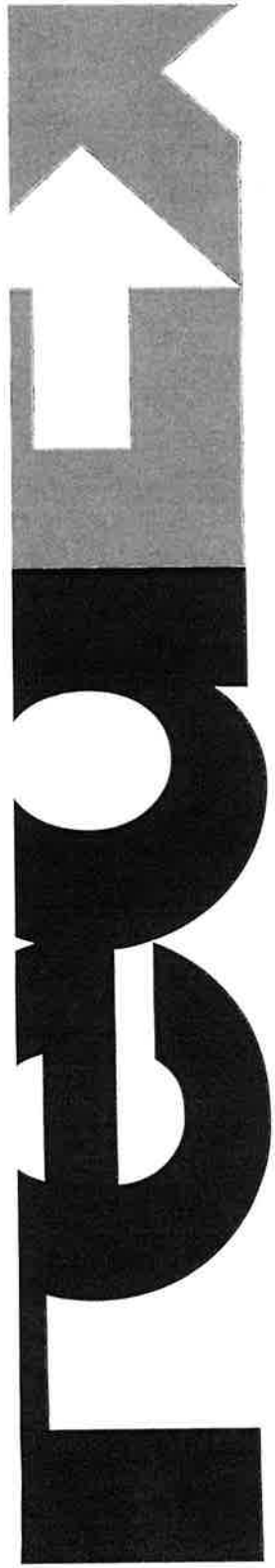
THIS IS YOUR FREIGHT BILL
THIS BILL MUST BE PAID WITHIN 7 DAYS ACCORDING TO THE DEPARTMENT OF TRANSPORTATION AND INTERSTATE COMMERCE COMMISSION REGULATIONS

X CONSIGNEE SIGN

PRINT LAST NAME

THE ABOVE MENTIONED GOODS RECEIVED IN GOOD ORDER AT TIME STATED

PICKUP RECEIPT



ORIGIN ID:WLMA (631) 232-2600
MARGOT DEPEPPE-KWARTA
ROUX ASSOCIATES, INC.
209 SHAFTER STREET

ISLANDIA, NY 117495074
UNITED STATES US

SHIP DATE: 29SEP22
ACTWGT: 0.15 LB MAN
CAD: 0891928/CAFE3616

BILL THIRD PARTY

TO **LAI FAMILY LIMITED PARTNERSHIP**

2216 NY-106

MUTTONTOWN NY 11791

DEPT: 01720030Y4921/J. CARAMES

REF: 01720030Y4921/J. CARAMES

577C1/EC8C/432A

FedEx Express

REL# 3786346

J222022032801sv

TRK# 0201 **5662 0787 0896**

FRI - 30 SEP 8:00P
STANDARD OVERNIGHT

09 FRGA

NSR RES
11791
NY-US **JFK**

December 19, 2022

Dear Customer,

The following is the proof-of-delivery for tracking number: 566207870896

Delivery Information:

Status:	Delivered	**Delivered To:**	Residence
Signed for by:	Signature not required	**Delivery Location:**	
Service type:	FedEx Standard Overnight		
Special Handling:	Deliver Weekday; Residential Delivery; No Signature Required		MUTTONTOWN, NY,
		Delivery date:	Sep 30, 2022 15:46

Shipping Information:

Tracking number:	566207870896	**Ship Date:**	Sep 29, 2022
		Weight:	0.5 LB/0.23 KG

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

Reference	01720030y4921/j. Carames
Department Number	01720030y4921/j. Carames

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. 03185

PRO. NO. V760027

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

DATE 09/21/22

FROM	SHIPPED TO
ROUX	CROSWOOD
	47 BRIDGEWATER ST
ISLANDIA ZIP	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.

LESS A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES E PROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS 00.00) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL AT A RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

TIME OF DELIVERY A.M. P.M.

PICKUP DRIVER	DELIVERING DRIVER
JJ	JJ

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

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. 03186

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

PRO. NO. V760034

DATE 09/21/22

RUGX		SHIPPED TO	121 HAUSMAN ST.
			79-51 COOPER AV
ISLANDIA	ZIP		GLENDALE 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.
S A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES ROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS 0) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

P DRIVER	DELIVERING DRIVER	TIME OF DELIVERY
JJJ	JJJ	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

ONSIGNEE 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. 03187

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

PRO. NO. V757985

DATE 9/21/22

SHIPPED FROM		SHIPPED TO	
ROTX ASSOCIATES		XJ-97 APOLLO OWNER	
207 GRIFFEN ST		220 5 AVE	
ISLANDIA ZIP		NYC ZIP 11	
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

CHARGES

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

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY
YK	YK	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

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE inc

ACCT. NO. 03189

PRO. NO. V 760029

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

DATE 09/21/22

FROM		SHIPPED TO	
ROUX		TANDEM HOLDING	
		120 HAUSMAN ST	
ISLANDIA	ZIP	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.

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

VALUE

SIGNED

CHARGES

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

CKUP 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

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. 03190

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

PRO. NO. V760033

DATE 09/21/22

ROUX	SHIPPED TO	640 MORGAN
		640 MORGAN AV
ISLANDIA ZIP		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.
S A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES ROPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS 0) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

P DRIVER	DELIVERING DRIVER	SIGNED	TIME OF DELIVERY A.M. P.M.
JJJ	JJJ		

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

NSIGNEE 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. 03191

PRO. NO. V760015

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

DATE 09/21/22

SHIPPED FROM		SHIPPED TO	
ROUX		890 MECKER AV	
ISLANDIA	ZIP	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 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

CHARGES

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

PICKUP DRIVER	DELIVERING DRIVER	TIME OF DELIVERY
JJJ	JJJ	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

PICKUP RECEIPT

NY DOT 7615 ICC MC 121454

WALSH MESSENGER SERVICE INC

ACCT. NO. 03192

PRO. NO. V 760030

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

DATE 09/21/22

ROUX		SHIPPED TO	VALEMILL REALTY
			94 HAUSMAN ST
JAMAICA	ZIP		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.
A DIFFERENT VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES
OPERTY TO A VALUE NOT EXCEEDING ONE HUNDRED DOLLARS
) PER SHIPMENT. CHARGES FOR ADDITIONAL VALUE DECLARED SHALL
RATE OF FIFTY CENTS (50¢) PER ONE HUNDRED DOLLARS ($100.00)

VALUE

SIGNED

CHARGES

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

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

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: 10/17/2022 **Time:** 10:50

Weather : Cloudy

Temperature:	61	° F	Humidity:	83	%
Wind Magnitude:	6	mph	Wind Direction:	SSW	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: LF & GA

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. Spray paint odor, 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:	1,175	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:	11:20:00 AM	
Ending Time:	11:53:00 AM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	884	
Flow Regulator ID #:	304041	
Sample ID #:	7.MP-1S	
Time:	33	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:	25299		**Meter ID:**	43624	
LEL:	0	%	**LEL:**	0	%
CO:	0	ppm	**CO:**	0	ppm
O2:	20.9	%	**O2:**	20.9	%
VOC:	2.2	ppm	**VOC:**	1.1	ppm
H2S:	0	ppm	**H2S:**	0	ppm

Meter ID:	213417	
CO2:	0	%
O2:	20	%
CH4:	0	%

Meter ID:	213964	
CO2:	0	%
O2:	19.9	%
CH4:	0	%

Soil Vapor Sampling Form

Date: 10/17/2022 **Time:** 10:30

Weather : Cloudy

Temperature:	61	° F	Humidity:	83	%
Wind Magnitude:	6	mph	Wind Direction:	SSW	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: LF & GA

Sampling Location: OU-7, Apollo St.

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

Spray paint odor, 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 mins	
Helium Rate at enclosure:	1750	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:	-20	in. of Hg	-29	in. of Hg
Starting Time:	11:10:00 AM		12:00	
Ending Time:	11:33:00 AM		12:31	
Ending Pressure:	-1	in. of Hg	-4	in. of Hg
Summa Canister Identification #:	1495		1263	
Flow Regulator ID #:	930846		504037	
Sample ID #:	7.MP-1D		DUP_10172022	
Time:	23	min	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:	43624		**Meter ID:**	25299		**Meter ID:**	213417
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.1 %
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20 %
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0 %
VOC:	0.2	ppm	**VOC:**	0.3	ppm	**Meter ID:**	213964
H2S:	0	ppm	**H2S:**	0	ppm	**CO2:**	0.1 %
						O2:	20.3 %
						CH4:	0 %

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 8:20

Weather : Sunny

Temperature:	48	° F	Humidity:	62	%
Wind Magnitude:	8	mph	Wind Direction:	W	
Barometric Pressure:	29.64	in Hg	Precipitation:	0	"

Sampling Team: JC & GA

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, spray paint odor

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:	7500	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:	8:28:00 AM	
Ending Time:	9:03:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1269	
Flow Regulator ID #:	994782	
Sample ID #:	7.MP-2S	
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:	MBO3_2018		**Meter ID:**	25299		**Meter ID:**	213964	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.2	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20.9	%
O2:	20.2	%	**O2:**	20.4	%	**CH4:**	0.1	%
VOC:	0.3	ppm	**VOC:**	0.4	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	213922	
						CO2:	0.2	%
						O2:	18.5	%
						CH4:	0.2	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 08:05

Weather : Sunny

Temperature:	48	° F	Humidity:	62	%
Wind Magnitude:	8	mph	Wind Direction:	W	
Barometric Pressure:	29.64	in Hg	Precipitation:	0	"

Sampling Team: JC & GA

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, spray paint odor

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:	2 min	
Helium Rate at enclosure:	4925	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:	-29.5	in. of Hg
Starting Time:	8:25:00 AM	
Ending Time:	9:20:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	881	
Flow Regulator ID #:	824835	
Sample ID #:	7.MP-2D	
Time:	55	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:	25299		**Meter ID:**	#6 ROUX	
LEL:	0	%	**LEL:**	0	%
CO:	0	**ppm**	**CO:**	0	**ppm**
O2:	13.8	%	**O2:**	13.8	%
VOC:	0.4	**ppm**	**VOC:**	0.3	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	213964	
CO2:	5.5	%
O2:	14.6	%
CH4:	0	%
Meter ID:	213922	
CO2:	5.4	%
O2:	13.3	%
CH4:	0	%

Soil Vapor Sampling Form

Date: 11/1/2022 **Time:** 14:00

Weather : Cloudy

Temperature:	66	° F	Humidity:	76	%
Wind Magnitude:	9	mph	Wind Direction:	W	
Barometric Pressure:	29.99	in Hg	Precipitation:	0.25	"

Sampling Team: GA & 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, petroleum odor

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:	7450	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:	2:12:00 PM	
Ending Time:	2:52:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	6L0025	
Flow Regulator ID #:	24742	
Sample ID #:	7.MP-3S	
Time:	40	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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	3	%	**CO2:**	2.9	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	9.5	%
O2:	8.6	%	**O2:**	8.9	%	**CH4:**	0	%
VOC:	0.1	**ppm**	**VOC:**	0.6	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	2.6	%
						O2:	9.3	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 11/1/2022 **Time:** 14:00

Weather : Cloudy

Temperature:	66	° F	Humidity:	76	%
Wind Magnitude:	9	mph	Wind Direction:	W	
Barometric Pressure:	29.99	in Hg	Precipitation:	0.25	"

Sampling Team: GA & 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 Corner, busy road, petroleum odor

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:	6750	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:	2:57:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	N5273	
Flow Regulator ID #:	23833	
Sample ID #:	7.MP-3D	
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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	3	%	**CO2:**	5.3	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	9.1	%
O2:	8.4	%	**O2:**	8.5	%	**CH4:**	0	%
VOC:	0.1	**ppm**	**VOC:**	0.1	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	5.1	%
						O2:	8.9	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 11:40

Weather : Cloudy

Temperature:	51	° F	Humidity:	43	%
Wind Magnitude:	7	mph	Wind Direction:	W	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: MO & MH

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:	7000	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:	11:49:00 AM	
Ending Time:	12:23:00 PM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	1468	
Flow Regulator ID #:	958045	
Sample ID #:	7.MP-4S	
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:	046745		**Meter ID:**	43624		**Meter ID:**	80030119663	
LEL:	0	%	**LEL:**	0	%	**CO2:**	4.8	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	15.6	%
O2:	14.3	%	**O2:**	14.6	%	**CH4:**	0	%
VOC:	0.2	ppm	**VOC:**	0.1	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	47715	
						CO2:	4.9	%
						O2:	15.4	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 11:50

Weather : Cloudy

Temperature:	51	° F	Humidity:	43	%
Wind Magnitude:	7	mph	Wind Direction:	W	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: MO & MH

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:	8700	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:	11:58:00 AM	
Ending Time:	12:31:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1413	
Flow Regulator ID #:	958118	
Sample ID #:	7.MP-4D	
Time:	33	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:	046745		**Meter ID:**	43624		**Meter ID:**	8003019663	
LEL:	6	%	**LEL:**	5	%	**CO2:**	18.7	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	1.3	%
O2:	0	%	**O2:**	0	%	**CH4:**	0	%
VOC:	1.9	ppm	**VOC:**	1	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	47715	
						CO2:	18.7	%
						O2:	1.2	%
						CH4:	0.2	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 9:50

Weather : Cloudy

Temperature:	50	° F	Humidity:	42	%
Wind Magnitude:	9	mph	Wind Direction:	W	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: MO & MH

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:	9300	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:	10:25:00 AM	
Ending Time:	10:56:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1179	
Flow Regulator ID #:	840471	
Sample ID #:	7.MP-5S	
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:	046745		**Meter ID:**	43624		**Meter ID:**	8003019663	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.9	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	19.6	%
O2:	18.6	%	**O2:**	18.8	%	**CH4:**	0	%
VOC:	0.2	ppm	**VOC:**	0.1	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	47715	
						CO2:	0.1	%
						O2:	21	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 10:26

Weather : Cloudy

Temperature:	50	° F	Humidity:	42	%
Wind Magnitude:	9	mph	Wind Direction:	W	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: MO & MH

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:	4800	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:	10:30:00 AM	
Ending Time:	11:07:00 AM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	1291	
Flow Regulator ID #:	415329	
Sample ID #:	7.MP-5D	
Time:	37	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:	8003019663	
						CO2:	5.5	%
Meter ID:	046745		**Meter ID:**	43624		**O2:**	12.9	%
LEL:	0	%	**LEL:**	0	%	**CH4:**	0	%
CO:	0	ppm	**CO:**	0	ppm			
O2:	11.8	%	**O2:**	12.4	%	**Meter ID:**	47715	
VOC:	0.2	ppm	**VOC:**	0.1	ppm	**CO2:**	5.3	%
H2S:	0	ppm	**H2S:**	0	ppm	**O2:**	13.1	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 11:35

Weather : Cloudy

Temperature:	52	° F	Humidity:	42	%
Wind Magnitude:	9	mph	Wind Direction:	W	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: JC & GA

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):

Busy street, car parked on 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:	550	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:	11:43:00 AM	
Ending Time:	12:17:00 PM	
Ending Pressure:	-2	in. of Hg
Summa Canister Identification #:	1036	
Flow Regulator ID #:	339239	
Sample ID #:	7.MP-6S	
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:	25299		**Meter ID:**	#6 ROUX		**Meter ID:**	213964	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.4	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20.8	%
O2:	20.9	%	**O2:**	20.5	%	**CH4:**	0	%
VOC:	0.3	ppm	**VOC:**	0.3	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	213922	
						CO2:	0.3	%
						O2:	18.4	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 11:33

Weather : Cloudy

Temperature:	52	° F	Humidity:	42	%
Wind Magnitude:	9	mph	Wind Direction:	W	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: JC & GA

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):

Busy street, car parked on 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:	2 min	
Helium Rate at enclosure:	1900	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:	11:42:00 AM	
Ending Time:	12:42:00 PM	
Ending Pressure:	-10.5	in. of Hg
Summa Canister Identification #:	1438	
Flow Regulator ID #:	836411	
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:	25299		**Meter ID:**	#6 ROUX		**Meter ID:**	213964	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.2	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	21	%
O2:	20.9	%	**O2:**	20.7	%	**CH4:**	0	%
VOC:	0.4	ppm	**VOC:**	0.4	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	213922	
						CO2:	0.2	%
						O2:	18.5	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 14:00

Weather : Sunny

Temperature:	56	° F	Humidity:	46	%
Wind Magnitude:	10	mph	Wind Direction:	W	
Barometric Pressure:	29.67	in Hg	Precipitation:	0	"

Sampling Team: JC & GA

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
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:	-26.1	in. of Hg
Starting Time:	6:40:00 AM	
Ending Time:	2:50:00 PM	
Ending Pressure:	-8	in. of Hg
Summa Canister Identification #:	1506	
Flow Regulator ID #:	30113	
Sample ID #:	7.MP-6_AMB	
Time:	8 hr 1	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: 10/17/2022 **Time:** 10:55

Weather : Cloudy

Temperature:	61	° F	Humidity:	83	%
Wind Magnitude:	6	mph	Wind Direction:	SSW	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: MH & MO

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:	1090	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:	11:13:00 AM	
Ending Time:	11:43:00 AM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	1352	
Flow Regulator ID #:	710623	
Sample ID #:	7.MP-7S	
Time:	30	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:	46745		**Meter ID:**	25299		**Meter ID:**	213922	
LEL:	0	%	**LEL:**	0	%	**CO2:**	1.7	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	17.6	%
O2:	17.7	%	**O2:**	17.9	%	**CH4:**	0	%
VOC:	1.2	ppm	**VOC:**	1.2	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	47715	
						CO2:	1.7	%
						O2:	17.6	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/17/2022 **Time:** 11:15

Weather : Cloudy

Temperature:	63	° F	Humidity:	77	%
Wind Magnitude:	8	mph	Wind Direction:	SW	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: MH & MO

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:	9500	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:	11:47:00 AM	
Ending Time:	12:27:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1420	
Flow Regulator ID #:	710622	
Sample ID #:	7.MP-7D	
Time:	40	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:	213922	
						CO2:	2.9	%
Meter ID:	046745		**Meter ID:**	25299		**O2:**	16.0	%
LEL:	0	%	**LEL:**	0	%	**CH4:**	0	%
CO:	0	ppm	**CO:**	0	ppm			
O2:	16	%	**O2:**	15.9	%	**Meter ID:**	47715	
VOC:	0.7	ppm	**VOC:**	1.1	ppm	**CO2:**	2.8	%
H2S:	0	ppm	**H2S:**	0	ppm	**O2:**	16.0	%
						CH4:	0.0	%

Soil Vapor Sampling Form

Date: 10/21/2022 **Time:** 13:50

Weather : Sunny

Temperature:	63	° F	Humidity:	28	%
Wind Magnitude:	4	mph	Wind Direction:	SSW	
Barometric Pressure:	30.12	in Hg	Precipitation:	0	"

Sampling Team: GA & LF

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:	2 min	
Helium Rate at enclosure:	1075	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:	-29.5	in. of Hg
Starting Time:	1:58:00 PM	
Ending Time:	2:31:00 PM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	1151	
Flow Regulator ID #:	474000	
Sample ID #:	7.MP-8S	
Time:	33	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:	43624		**Meter ID:**	46745	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	17	%	**O2:**	17.1	%
VOC:	0	**ppm**	**VOC:**	0.1	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	213417	
CO2:	3.7	%
O2:	17	%
CH4:	0	%
Meter ID:	47715	
CO2:	3.7	%
O2:	17	%
CH4:	0	%

Soil Vapor Sampling Form

Date: 10/21/2022 **Time:** 13:50

Weather : Sunny

Temperature:	63	° F	Humidity:	28	%
Wind Magnitude:	4	mph	Wind Direction:	SSW	
Barometric Pressure:	30.12	in Hg	Precipitation:	0	"

Sampling Team: GA & LF

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:	4750	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:	2:01:00 PM	
Ending Time:	2:36:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1469	
Flow Regulator ID #:	236813	
Sample ID #:	7.MP-8D	
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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	4.8	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	14.8	%
O2:	14.9	%	**O2:**	15	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0.1	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	4.7	%
						O2:	15..3	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/26/2022 **Time:** 10:50

Weather : Cloudy

Temperature:	65	° F	Humidity:	90	%
Wind Magnitude:	4	mph	Wind Direction:	NE	
Barometric Pressure:	29.82	in Hg	Precipitation:	0	"

Sampling Team: GA & LF

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 mins	
Helium Rate at enclosure:	3850	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:	11:38:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	875	
Flow Regulator ID #:	570523	
Sample ID #:	7.MP-9S	
Time:	38	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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	0.7	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	19..8	%
O2:	20	%	**O2:**	20.1	%	**CH4:**	0	%
VOC:	0.1	**ppm**	**VOC:**	0	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	0.7	%
						O2:	19.9	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/26/2022 **Time:** 10:50

Weather : Cloudy

Temperature:	65	° F	Humidity:	90	%
Wind Magnitude:	4	mph	Wind Direction:	NE	
Barometric Pressure:	29.82	in Hg	Precipitation:	0	"

Sampling Team: GA & LF

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:	3925	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:	11:10:00 AM	
Ending Time:	11:38:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1270	
Flow Regulator ID #:	900133	
Sample ID #:	7.MP-9D	
Time:	28	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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	2.4	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	18.6	%
O2:	18.7	%	**O2:**	18.8	%	**CH4:**	0	%
VOC:	0.1	**ppm**	**VOC:**	0	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	2.2	%
						O2:	18.7	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/17/2022 **Time:** 14:00

Weather : Cloudy

Temperature:	64	° F	Humidity:	69	%
Wind Magnitude:	10	mph	Wind Direction:	SSW	
Barometric Pressure:	29.65	in Hg	Precipitation:	0.03	"

Sampling Team: GA & LF

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:	2000	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:	2:13:00 PM	
Ending Time:	2:44:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1355	
Flow Regulator ID #:	930842	
Sample ID #:	7.MP-10S	
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:	43624		**Meter ID:**	25299		**Meter ID:**	213964	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.1	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20.5	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0.2	ppm	**VOC:**	1	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	213417	
						CO2:	0	%
						O2:	20.3	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/17/2022 **Time:** 14:15

Weather : Cloudy

Temperature:	64	° F	Humidity:	69	%
Wind Magnitude:	10	mph	Wind Direction:	SSW	
Barometric Pressure:	29.65	in Hg	Precipitation:	0.03	"

Sampling Team: GA & LF

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:	2 min	
Helium Rate at enclosure:	500	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:	2:38:00 PM	
Ending Time:	3:10:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1520	
Flow Regulator ID #:	958117	
Sample ID #:	7.MP-10D	
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:	43624		**Meter ID:**	25299		**Meter ID:**	213964	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20.5	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0.1	ppm	**VOC:**	0.8	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	213417	
						CO2:	0	%
						O2:	20.4	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/17/2022 **Time:** 14:05

Weather : Cloudy

Temperature:	64	° F	Humidity:	69	%
Wind Magnitude:	8	mph	Wind Direction:	SSW	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: MO & MH

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:	8100	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:	2:17:00 PM	
Ending Time:	2:53:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1256	
Flow Regulator ID #:	848493	
Sample ID #:	7.MP-11S	
Time:	36	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:	25299		**Meter ID:**	46745		**Meter ID:**	47715	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.1	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20.2	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0.1	%
VOC:	1	ppm	**VOC:**	0.5	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	213922	
						CO2:	0.1	%
						O2:	20	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/17/2022 **Time:** 14:00

Weather : Cloudy

Temperature:	64	° F	Humidity:	69	%
Wind Magnitude:	8	mph	Wind Direction:	SSW	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: MO & MH

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:	5 min	
Helium Rate at enclosure:	1420	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:	2:10:00 PM	
Ending Time:	2:43:00 PM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	1190	
Flow Regulator ID #:	580910	
Sample ID #:	7.MP-11D	
Time:	33	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:	046745		**Meter ID:**	25299		**Meter ID:**	213922	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.3	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0.7	ppm	**VOC:**	0.9	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	47715	
						CO2:	0.4	%
						O2:	19.7	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/26/2022 **Time:** 10:50

Weather : Sunny

Temperature:	68	° F	Humidity:	84	%
Wind Magnitude:	4	mph	Wind Direction:	NE	
Barometric Pressure:	29.78	in Hg	Precipitation:	0	"

Sampling Team: GA & LF

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:	5200	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:	1:47:00 PM	
Ending Time:	2:18:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1526	
Flow Regulator ID #:	958116	
Sample ID #:	7.MP-12S	
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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	0.1	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	20	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0.2	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	0.1	%
						O2:	20.1	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/26/2022 **Time:** 10:50

Weather : Sunny

Temperature:	68	° F	Humidity:	84	%
Wind Magnitude:	4	mph	Wind Direction:	NE	
Barometric Pressure:	29.78	in Hg	Precipitation:	0	"

Sampling Team: GA & LF

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:	4900	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:	2:42:00 PM	
Ending Time:	3:12:00 PM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	1373	
Flow Regulator ID #:	987935	
Sample ID #:	7.MP-12D	
Time:	30	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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	19.9	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0.1	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	0.1	%
						O2:	20.1	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/28/2022 **Time:** 08:10

Weather : Sunny

Temperature:	45	° F	Humidity:	67	%
Wind Magnitude:	10	mph	Wind Direction:	N	
Barometric Pressure:	30.48	in Hg	Precipitation:	0	"

Sampling Team: GA & LF

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:	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:	2950	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:	8:18:00 AM	
Ending Time:	9:01:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	N4257	
Flow Regulator ID #:	23449	
Sample ID #:	7.MP-13S	
Time:	43	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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	8.4	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	9.2	%
O2:	9	%	**O2:**	9.2	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	8.4	%
						O2:	9.2	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/28/2022 **Time:** 08:10

Weather : Sunny

Temperature:	45	° F	Humidity:	67	%
Wind Magnitude:	10	mph	Wind Direction:	N	
Barometric Pressure:	30.48	in Hg	Precipitation:	0	"

Sampling Team: GA & LF

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:	3258	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:	8:24:00 AM	
Ending Time:	9:05:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	6L1134	
Flow Regulator ID #:	23471	
Sample ID #:	7.MP-13D	
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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	9.3	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	8.1	%
O2:	2.8	%	**O2:**	2.6	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	9.5	%
						O2:	8.5	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/26/2022 **Time:** 8:50

Weather : Cloudy

Temperature:	63	° F	Humidity:	97	%
Wind Magnitude:	4	mph	Wind Direction:	ENE	
Barometric Pressure:	29.82	in Hg	Precipitation:	0	"

Sampling Team: GA & LF

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:	2 mins	
Helium Rate at enclosure:	4355	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:	9:04:00 AM	
Ending Time:	9:36:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1285	
Flow Regulator ID #:	824856	
Sample ID #:	7.MP-15S	
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:	43624		**Meter ID:**	46745	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	15.4	%	**O2:**	15.7	%
VOC:	0.1	**ppm**	**VOC:**	0	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	213417	
CO2:	4.1	%
O2:	15.9	%
CH4:	0	%
Meter ID:	47715	
CO2:	4	%
O2:	15.9	%
CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/26/2022 **Time:** 8:50

Weather : Cloudy

Temperature:	63	° F	Humidity:	97	%
Wind Magnitude:	4	mph	Wind Direction:	ENE	
Barometric Pressure:	29.82	in Hg	Precipitation:	0	"

Sampling Team: GA & LF

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:	4900	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:	9:13:00 AM	
Ending Time:	9:43:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1178	
Flow Regulator ID #:	303928	
Sample ID #:	7.MP-15D	
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:	43624		**Meter ID:**	46745	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	9.2	%	**O2:**	9.7	%
VOC:	23.7	**ppm**	**VOC:**	28.9	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	213417	
CO2:	7.1	%
O2:	9.7	%
CH4:	0	%
Meter ID:	47715	
CO2:	7.4	%
O2:	9.7	%
CH4:	0.2	%

Soil Vapor Sampling Form

Date: 10/26/2022 **Time:** 6:40

Weather : Cloudy

Temperature:	63	° F	Humidity:	97	%
Wind Magnitude:	4	mph	Wind Direction:	ENE	
Barometric Pressure:	29.82	in Hg	Precipitation:	0	"

Sampling Team: GA & LF

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:	-29	in. of Hg
Starting Time:	6:47:00 AM	
Ending Time:	2:47:00 PM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	M0087	
Flow Regulator ID #:	26001	
Sample ID #:	7.MP-15_AMB	
Time:	8 hr	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: 10/18/2022 **Time:** 10:20

Weather : Cloudy

Temperature:	49	° F	Humidity:	42	%
Wind Magnitude:	9	mph	Wind Direction:	W	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: JC & GA

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 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:	2 min	
Helium Rate at enclosure:	2675	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:	10:28:00 AM	
Ending Time:	11:06:00 AM	
Ending Pressure:	-2.5	in. of Hg
Summa Canister Identification #:	519	
Flow Regulator ID #:	415317	
Sample ID #:	7.MP-16S	
Time:	38	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:	25299		**Meter ID:**	#6 ROUX		**Meter ID:**	213964	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.1	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20.9	%
O2:	18.8	%	**O2:**	18.5	%	**CH4:**	0	%
VOC:	0.5	ppm	**VOC:**	0.5	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	213922	
						CO2:	1.2	%
						O2:	18	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 10:00

Weather : Cloudy

Temperature:	49	° F	Humidity:	42	%
Wind Magnitude:	9	mph	Wind Direction:	W	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: JC & GA

Sampling Location: OU-7, Apollo Street

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

Sidewalk on Apollo Street. Busy street, spray paint odor

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:	2 min	
Helium Rate at enclosure:	3875	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:	10:15:00 AM	
Ending Time:	10:50:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	873	
Flow Regulator ID #:	11874	
Sample ID #:	7.MP-16D	
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:	25299		**Meter ID:**	#6 ROUX		**Meter ID:**	213964	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.1	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	21.2	%
O2:	19.8	%	**O2:**	19.6	%	**CH4:**	0	%
VOC:	0.7	ppm	**VOC:**	0.6	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	213922	
						CO2:	0.9	%
						O2:	17.8	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 8:22

Weather : Cloudy

Temperature:	50	° F	Humidity:	44	%
Wind Magnitude:	8	mph	Wind Direction:	W	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: MO & MH

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:	8.5%	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:	8:31:00 AM	
Ending Time:	9:18:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1460	
Flow Regulator ID #:	958069	
Sample ID #:	7.MP-17S	
Time:	47	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:	8003019663	
						CO2:	2.4	%
Meter ID:	046745		**Meter ID:**	43624		**O2:**	17.3	%
LEL:	0	%	**LEL:**	0	%	**CH4:**	0	%
CO:	0	ppm	**CO:**	0	ppm			
O2:	17	%	**O2:**	16.7	%	**Meter ID:**	47715	
VOC:	0.1	ppm	**VOC:**	0.3	ppm	**CO2:**	2.2	%
H2S:	0	ppm	**H2S:**	0	ppm	**O2:**	17.3	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/18/2022 **Time:** 8:16

Weather : Cloudy

Temperature:	49	° F	Humidity:	44	%
Wind Magnitude:	8	mph	Wind Direction:	W	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: MO & MH

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:	8850	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:	8:39:00 AM	
Ending Time:	9:12:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1426	
Flow Regulator ID #:	824847	
Sample ID #:	7.MP-17D	
Time:	33	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:	8003019663	
						CO2:	3.2	%
Meter ID:	046745		**Meter ID:**	43624		**O2:**	16.8	%
LEL:	0	%	**LEL:**	0	%	**CH4:**	0	%
CO:	0	ppm	**CO:**	0	ppm			
O2:	16	%	**O2:**	16.3	%	**Meter ID:**	47715	
VOC:	0.3	ppm	**VOC:**	0.1	ppm	**CO2:**	3.1	%
H2S:	0	ppm	**H2S:**	0	ppm	**O2:**	16.9	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/20/2022 **Time:** 14:30

Weather :

Temperature:	53	° F	Humidity:	69	%
Wind Magnitude:	10	mph	Wind Direction:	SW	
Barometric Pressure:	30.00	in Hg	Precipitation:	0	"

Sampling Team: GA & MH

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:	6500	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:	2:50:00 PM	
Ending Time:	3:25:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	505	
Flow Regulator ID #:	824640	
Sample ID #:	7.MP-27	
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:	43624		**Meter ID:**	46745		**Meter ID:**	213964	
LEL:	0	%	**LEL**	0	%	**CO2:**	0.9	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	20.2	%
O2:	19.7	%	**O2:**	20	%	**CH4:**	0	%
VOC:	0.1	**ppm**	**VOC:**	0.9	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	0.7	%
						O2:	20.4	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/20/2022 **Time:** 13:15

Weather :

Temperature:	52	° F	Humidity:	69	%
Wind Magnitude:	10	mph	Wind Direction:	SW	
Barometric Pressure:	30.00	in Hg	Precipitation:	0	"

Sampling Team: GA & MH

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:	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:	7300	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)**

			Duplicate Sample	
Starting Pressure:	-28	in. of Hg	-30	in. of Hg
Starting Time:	1:28:00 PM		12:00	
Ending Time:	2:02:00 PM		12:34	
Ending Pressure:	-4	in. of Hg	-4	in. of Hg
Summa Canister Identification #:	1082		871	
Flow Regulator ID #:	249935		399405	
			DUP_1020202	
Sample ID #:	7.MP-28		2	
Time:	34	min	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:	43624		**Meter ID:**	46745		**Meter ID:**	213964	
LEL:	0	%	**LEL:**	0	%	**CO2:**	1.9	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	18.7	%
O2:	18.6	%	**O2:**	19.1	%	**CH4:**	0	%
VOC:	0	ppm	**VOC:**	0	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	47715	
						CO2:	2	%
						O2:	18.7	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/20/2022 **Time:** 8:15

Weather :

Temperature:	44	° F	Humidity:	69	%
Wind Magnitude:	10	mph	Wind Direction:	SW	
Barometric Pressure:	30.00	in Hg	Precipitation:	0	"

Sampling Team: GA & MH

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:	5 mins	
Helium Rate at enclosure:	21700	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	in. of Hg
Starting Time:	8:30:00 AM	
Ending Time:	9:03:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	15:39	
Flow Regulator ID #:	303934	
Sample ID #:	7.MP-30	
Time:	33	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: 43624		**Meter ID:** 46745		**Meter ID:** 213964	
LEL: 0	%	**LEL** 0	%	**CO2:** 5.6	%
CO: 0	**ppm**	**CO** 0	**ppm**	**O2:** 14.8	%
O2: 12	%	**O2:** 14.2	%	**CH4:** 0	%
VOC: 0	**ppm**	**VOC:** 0	**ppm**		
H2S: 0	**ppm**	**H2S:** 0	**ppm**	**Meter ID:** 47715	
				CO2: 5.5	%
				O2: 14.8	%
				CH4: 0.1	%

Soil Vapor Sampling Form

Date: 10/21/2022 **Time:** 8:15

Weather : Sunny

Temperature:	50	° F	Humidity:	56	%
Wind Magnitude:	2	mph	Wind Direction:	W	
Barometric Pressure:	30.10	in Hg	Precipitation:	0	"

Sampling Team: GA & MO

Sampling Location: OU-7, Apollo St

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

Apollo by RW-A, sidewalk adjacent to busy street, odor of bleach

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:	8700	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:	-29.5	in. of Hg
Starting Time:	09.:42	
Ending Time:	10:17:00 AM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	0:00	
Flow Regulator ID #:	204625	
Sample ID #:	7.MP-31	
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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	4.4	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	15.4	%
O2:	12	%	**O2:**	18.5	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0.1	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	4.4	%
						O2:	15.9	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/20/2022 **Time:** 10:30

Weather : Sunny

Temperature:	51	° F	Humidity:	69	%
Wind Magnitude:	10	mph	Wind Direction:	SW	
Barometric Pressure:	30.00	in Hg	Precipitation:	0	"

Sampling Team: GA & MH

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:	865	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:	10:40:00 AM	
Ending Time:	11:11:00 AM	
Ending Pressure:	-3.5	in. of Hg
Summa Canister Identification #:	1504	
Flow Regulator ID #:	900011	
Sample ID #:	7.MP-33	
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:	43624		**Meter ID:**	46745	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	14.5	%	**O2:**	16.2	%
VOC:	0.1	**ppm**	**VOC:**	0.1	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	213464	
CO2:	3.8	%
O2:	16.3	%
CH4:	0.1	%
Meter ID:	47715	
CO2:	3.6	%
O2:	16. 2	%
CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/20/2022 **Time:** 6:45

Weather : Sunny

Temperature:	51	° F	Humidity:	69	%
Wind Magnitude:	10	mph	Wind Direction:	SW	
Barometric Pressure:	30.00	in Hg	Precipitation:	0	"

Sampling Team: GA & MH

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:	-30	in. of Hg
Starting Time:	6:54:00 AM	
Ending Time:	3:42:00 PM	
Ending Pressure:	-13	in. of Hg
Summa Canister Identification #:	1476	
Flow Regulator ID #:	824831	
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:	--		**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: 10/27/2022 **Time:** 07:50

Weather : Sunny

Temperature:	56	° F	Humidity:	87	%
Wind Magnitude:	4	mph	Wind Direction:	N	
Barometric Pressure:	30.02	in Hg	Precipitation:	0	"

Sampling Team: LF&GA

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:	4875	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:	8:05:00 AM	
Ending Time:	8:43:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	O0613	
Flow Regulator ID #:	24562	
Sample ID #:	7.MP-64	
Time:	42	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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	15.8	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	1.7	%
O2:	2.3	%	**O2:**	2	%	**CH4:**	0	%
VOC:	0.1	**ppm**	**VOC:**	0.2	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	15.9	%
						O2:	1.6	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2022 **Time:** 07:50

Weather : Sunny

Temperature:	62	° F	Humidity:	93	%
Wind Magnitude:	7	mph	Wind Direction:	NE	
Barometric Pressure:	30.08	in Hg	Precipitation:	0	"

Sampling Team: CM&GA

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

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:	825	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:	8:15:00 AM	
Ending Time:	8:52:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1259	
Flow Regulator ID #:	399368	
Sample ID #:	7.MP-68	
Time:	37	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:	43624		**Meter ID:**	46745	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	13	%	**O2:**	12.6	%
VOC:	8	**ppm**	**VOC:**	7.9	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	213417	
CO2:	5.58	%
O2:	12.6	%
CH4:	0	%
Meter ID:	47715	
CO2:	5.8	%
O2:	12.8	%
CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/25/2022 **Time:** 09:00

Weather : Rainy/Cloudy

Temperature:	62	° F	Humidity:	93	%
Wind Magnitude:	6	mph	Wind Direction:	NE	
Barometric Pressure:	30.08	in Hg	Precipitation:	0	"

Sampling Team: CM&GA

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:	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:	-29	in. of Hg
Starting Time:	9:22:00 AM	
Ending Time:	10:02:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1177	
Flow Regulator ID #:	581410	
Sample ID #:	7.MP-71S	
Time:	40	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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	0.1	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	20.4	%
O2:	20.9	%	**O2:**	20.4	%	**CH4:**	0	%
VOC:	0.1	**ppm**	**VOC:**	2.1	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	0.1	%
						O2:	21.1	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2022 **Time:** 09:00

Weather : Cloudy

Temperature:	62	° F	Humidity:	96	%
Wind Magnitude:	6	mph	Wind Direction:	NE	
Barometric Pressure:	30.10	in Hg	Precipitation:	0	"

Sampling Team: CM&GA

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:	7300	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:	9:28:00 AM	
Ending Time:	10:02:00 AM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	1369	
Flow Regulator ID #:	336709	
Sample ID #:	7.MP-71D	
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:	43624		**Meter ID:**	46745	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	20.9	%	**O2:**	20.9	%
VOC:	0.1	**ppm**	**VOC:**	2.8	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	213417	
CO2:	0.1	%
O2:	20.9	%
CH4:	0	%
Meter ID:	47715	
CO2:	0.1	%
O2:	20.3	%
CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2022 **Time:** 06:40

Weather : Rainy

Temperature:	62	° F	Humidity:	93	%
Wind Magnitude:	7	mph	Wind Direction:	NE	
Barometric Pressure:	30.10	in Hg	Precipitation:	0	"

Sampling Team: CM&GA

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:	6:50:00 AM	
Ending Time:	2:46:00 PM	
Ending Pressure:	-2	in. of Hg
Summa Canister Identification #:	1523	
Flow Regulator ID #:	710581	
Sample ID #:	7.MP-71_AMB	
Time:	7 hr 56	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: 10/25/2022 **Time:** 14:10

Weather : Cloudy

Temperature:	66	° F	Humidity:	87	%
Wind Magnitude:	10	mph	Wind Direction:	NE	
Barometric Pressure:	30.05	in Hg	Precipitation:	0	"

Sampling Team: CM&GA

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:	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:	5 mins	
Helium Rate at enclosure:	2900	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:	1:56:00 PM	
Ending Time:	2:34:00 PM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	1261	
Flow Regulator ID #:	710599	
Sample ID #:	7.MP-72S	
Time:	38	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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	3.2	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	16	%
O2:	16.1	%	**O2:**	16.4	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	3.3	%
						O2:	15.6	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/25/2022 **Time:** 14:10

Weather : Cloudy

Temperature:	66	° F	Humidity:	87	%
Wind Magnitude:	10	mph	Wind Direction:	NE	
Barometric Pressure:	30.05	in Hg	Precipitation:	0	"

Sampling Team: CM&GA

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:	12600	ppm
Helium Rate from sample tubing:	3075	Is this rate <10% of the rate at the enclosure **No**

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

Methane is 5.4

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:	-26.5	in. of Hg
Starting Time:	2:44:00 PM	
Ending Time:	15.:13	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	N4201	
Flow Regulator ID #:	23327	
Sample ID #:	7.MP-72D	
Time:	29	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:	43624		**Meter ID:**	46745	
LEL:	3	%	**LEL**	3	%
CO:	58	**ppm**	**CO**	14	**ppm**
O2:	0.8	%	**O2:**	0	%
VOC:	38.7	**ppm**	**VOC:**	442.1	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	213417	
CO2:	11.3	%
O2:	0.3	%
CH4:	4.6	%
Meter ID:	47715	
CO2:	11.3	%
O2:	0.3	%
CH4:	4.6	%

Soil Vapor Sampling Form

Date: 10/25/2022 **Time:** 11:10

Weather : Cloudy/Rain

Temperature:	66	° F	Humidity:	94	%
Wind Magnitude:	10	mph	Wind Direction:	ENE	
Barometric Pressure:	30.09	in Hg	Precipitation:	0	"

Sampling Team: CM&GA

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:	2 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:	-30	in. of Hg
Starting Time:	11:26:00 AM	
Ending Time:	12:00:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1446	
Flow Regulator ID #:	217753	
Sample ID #:	7.MP-73S	
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:	43624		**Meter ID:**	46745	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	0.9	%	**O2:**	0	%
VOC:	0.3	**ppm**	**VOC:**	32.2	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	213417	
CO2:	17.3	%
O2:	0.2	%
CH4:	0.1	%
Meter ID:	47715	
CO2:	17.4	%
O2:	0.6	%
CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/25/2022 **Time:** 11:10

Weather : Cloudy/Rain

Temperature:	66	° F	Humidity:	94	%
Wind Magnitude:	10	mph	Wind Direction:	ENE	
Barometric Pressure:	30.09	in Hg	Precipitation:	0	"

Sampling Team: CM&GA

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:	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:	-30	in. of Hg
Starting Time:	11:30:00 AM	
Ending Time:	12:00:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1517	
Flow Regulator ID #:	848464	
Sample ID #:	7.MP-73D	
Time:	30	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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	10.7	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	8	%
O2:	9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0.1	**ppm**	**VOC:**	6	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	10.5	%
						O2:	8.2	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/21/2022 **Time:** 10:30

Weather : Cloudy/Rain

Temperature:	58	° F	Humidity:	94	%
Wind Magnitude:	10	mph	Wind Direction:	ENE	
Barometric Pressure:	30.09	in Hg	Precipitation:	0	"

Sampling Team: MO&GA

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:	32500	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:	10:50:00 AM	
Ending Time:	11:20:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1515	
Flow Regulator ID #:	33784	
Sample ID #:	8.MP-78S	
Time:	30	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:	43624		**Meter ID:**	46745		**Meter ID:**	213417	
LEL:	0	%	**LEL**	0	%	**CO2:**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**	**O2:**	19.2	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0	**ppm**	**VOC:**	0	**ppm**			
H2S:	0	**ppm**	**H2S:**	0	**ppm**	**Meter ID:**	47715	
						CO2:	0	%
						O2:	19.9	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/21/2022 **Time:** 10:31

Weather : Cloudy/Rain

Temperature:	58	° F	Humidity:	94	%
Wind Magnitude:	10	mph	Wind Direction:	ENE	
Barometric Pressure:	30.09	in Hg	Precipitation:	0	"

Sampling Team: MO&GA

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:	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:	32500	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:	10:50:00 AM	
Ending Time:	11:24:00 AM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1474	
Flow Regulator ID #:	33784	
Sample ID #:	8.MP-78S	
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:	43624		**Meter ID:**	46745	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	20.3	%	**O2:**	20.9	%
VOC:	0	**ppm**	**VOC:**	0.2	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	213417	
CO2:	0	%
O2:	19.2	%
CH4:	0	%
Meter ID:	47715	
CO2:	0.1	%
O2:	19.8	%
CH4:	0	%

Soil Vapor Sampling Form

Date: 10/21/2022 **Time:** 6:30

Weather : Cloudy/Rain

Temperature:	58	° F	Humidity:	94	%
Wind Magnitude:	10	mph	Wind Direction:	ENE	
Barometric Pressure:	30.09	in Hg	Precipitation:	0	"

Sampling Team: MO&GA

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:	--	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:	6:40:00 AM	
Ending Time:	2:53:00 PM	
Ending Pressure:	-6	in. of Hg
Summa Canister Identification #:	1483	
Flow Regulator ID #:	824848	
Sample ID #:	8.MP-78_AMB	
Time:	8 hr 13	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: 10/31/2022 **Time:** 14:25

Weather : Mostly Cloudy

Temperature:	64	° F	Humidity:	60	%
Wind Magnitude:	7	mph	Wind Direction:	SW	
Barometric Pressure:	30.00	in Hg	Precipitation:	0	"

Sampling Team: MO&GA

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:	32500	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:	2:34:00 PM	
Ending Time:	3:26:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	6L2222\	
Flow Regulator ID #:	23601	
Sample ID #:	7.MP-81S	
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:	43624		**Meter ID:**	46745	
LEL:	0	%	**LEL**	0	%
CO:	0	**ppm**	**CO**	0	**ppm**
O2:	5.3	%	**O2:**	5.9	%
VOC:	0	**ppm**	**VOC:**	0.3	**ppm**
H2S:	0	**ppm**	**H2S:**	0	**ppm**

Meter ID:	213417	
CO2:	5.2	%
O2:	5.7	%
CH4:	0.1	%
Meter ID:	47715	
CO2:	5	%
O2:	6	%
CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/19/2022 **Time:** 8:10

Weather : Sunny

Temperature:	43	° F	Humidity:	68	%
Wind Magnitude:	6	mph	Wind Direction:	SW	
Barometric Pressure:	29.80	in Hg	Precipitation:	-	"

Sampling Team: MO & GA

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:	2600	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:	8:17:00 AM	
Ending Time:	9:00:00 AM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	1424	
Flow Regulator ID #:	848481	
Sample ID #:	8.MP-76S	
Time:	43	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:	213964	
						CO2:	0.6	%
Meter ID:	046745		**Meter ID:**	43624		**O2:**	20.2	%
LEL:	0	%	**LEL:**	0	%	**CH4:**	0	%
CO:	0	ppm	**CO:**	0	ppm			
O2:	20.1	%	**O2:**	19.9	%	**Meter ID:**	47715	
VOC:	0.1	ppm	**VOC:**	0.1	ppm	**CO2:**	0.1	%
H2S:	0	ppm	**H2S:**	0	ppm	**O2:**	20.7	%
						CH4:	0	%

Soil Vapor Sampling Form

Date: 10/19/2022 **Time:** 8:00

Weather : Sunny

Temperature:	43	° F	Humidity:	68	%
Wind Magnitude:	6	mph	Wind Direction:	SW	
Barometric Pressure:	29.80	in Hg	Precipitation:	-	"

Sampling Team: MO & GA

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:	2300	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:	8:13:00 AM	
Ending Time:	9:03:00 AM	
Ending Pressure:	0.4	in. of Hg
Summa Canister Identification #:	865	
Flow Regulator ID #:	250410	
Sample ID #:	8.MP-76D	
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:	046745		**Meter ID:**	43624		**Meter ID:**	213964	
LEL:	0	%	**LEL:**	0	%	**CO2:**	4.5	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	15	%
O2:	14.8	%	**O2:**	14	%	**CH4:**	0	%
VOC:	0	ppm	**VOC:**	0	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	47715	
						CO2:	4.1	%
						O2:	15.1	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/19/2022 **Time:** 11:25

Weather : Sunny

Temperature:	52	° F	Humidity:	44	%
Wind Magnitude:	13	mph	Wind Direction:	SW	
Barometric Pressure:	29.90	in Hg	Precipitation:	-	"

Sampling Team: MO & GA

Sampling Location: OU-8, Meeker 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:	5.6	%
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:	11:34:00 AM	
Ending Time:	12:06:00 PM	
Ending Pressure:	-3	in. of Hg
Summa Canister Identification #:	1502	
Flow Regulator ID #:	344002	
Sample ID #:	8.MP-77S	
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:	046745		**Meter ID:**	43624		**Meter ID:**	213964	
LEL:	0	%	**LEL:**	0	%	**CO2:**	1.9	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	16.4	%
O2:	16.5	%	**O2:**	16.2	%	**CH4:**	0.1	%
VOC:	0	ppm	**VOC:**	0	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	47715	
						CO2:	1.7	%
						O2:	16.7	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/19/2022 **Time:** 11:00

Weather : Sunny

Temperature:	52	° F	Humidity:	44	%
Wind Magnitude:	13	mph	Wind Direction:	SW	
Barometric Pressure:	29.90	in Hg	Precipitation:	-	"

Sampling Team: MO & GA

Sampling Location: OU-8, Meeker 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:	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:	-30	in. of Hg
Starting Time:	11:18:00 AM	
Ending Time:	12:12:00 PM	
Ending Pressure:	-4	in. of Hg
Summa Canister Identification #:	1257	
Flow Regulator ID #:	252285	
Sample ID #:	8.MP-77D	
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:	046745		**Meter ID:**	43624		**Meter ID:**	213964	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.1	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20.6	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0.1	%
VOC:	0	ppm	**VOC:**	0	ppm			
H2S:	0	ppm	**H2S:**	0	ppm	**Meter ID:**	47715	
						CO2:	0.2	%
						O2:	20.7	%
						CH4:	0.1	%

Soil Vapor Sampling Form

Date: 10/19/2022 **Time:** 9:25:00 AM

Weather : Sunny

Temperature:	48	° F	Humidity:	65	%
Wind Magnitude:	7	mph	Wind Direction:	w	
Barometric Pressure:	29.70	in Hg	Precipitation:	-	"

Sampling Team: GA & MO

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:	2 min	
Helium Rate at enclosure:	8500	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)** **Yes (Individual)**

			Duplicate Sample	
Starting Pressure:	-28	in. of Hg	-29	in. of Hg
Starting Time:	9:44:00 AM		12:00	
Ending Time:	10:17:00 AM		12:30	
Ending Pressure:	-3	in. of Hg	-3.5	in. of Hg
Summa Canister Identification #:	1484		1244	
Flow Regulator ID #:	994839		930827	
Sample ID #:	8.MP-80		DUP_10192022	
Time:	33	min	30	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:	43624		**Meter ID:**	046745		**Meter ID:**	47715	
LEL:	0	%	**LEL:**	0	%	**CO2:**	0.2	%
CO:	0	ppm	**CO:**	0	ppm	**O2:**	20.4	%
O2:	20.9	%	**O2:**	20.9	%	**CH4:**	0	%
VOC:	0.1	ppm	**VOC:**	0.2	ppm	**Meter ID:**	213964	
H2S:	0	ppm	**H2S:**	0	ppm	**CO2:**	0.2	%
						O2:	20.5	%
						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

December 26, 2022

Jacqueline Carames
Roux Environmental Engineering and Geology, D. P. C.
209 Shafter St
Islandia, NY 11747

RE: ExxonMobil Greenpoint Petroleum Remediation Project – OU_7/8
Validation of the Analytical Laboratory Data and Data Usability Summary Report (DUSR)
Eurofins Lancaster SDG Nos. 410-102695-1, 410-103064-1, 410-103525-1, and 410-104572-1

Dear Ms. Carames:

Review has been completed for the data packages generated by Eurofins Lancaster Laboratories that pertain to air samples collected between 10/17/22 and 11/01/22 at the ExxonMobil Greenpoint site. Fifty-nine 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 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 Duplicates
* 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.

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 is the client EQuIS EDD with recommended validation qualifiers and edits applied.

Chain-of-Custodies/Sample Receipt

Discrepancies between custody form and label entries for the sample canister and flow controller IDs was resolved at sample receipt.

The canister for 7.MP-1D was received by the laboratory at ambient pressure. The results for that samples are therefore qualified as estimated in value. It is noted that the field duplicate collected at that location, DUP_10172022 did not require similar qualification and may be considered for the results of that location. It is also noted that the field duplicate correlations for that location were generally good, with the exception of what are primarily common contaminants (which show higher concentrations in the parent sample). These are detailed below.

Volatiles by EPA TO-15

Most of the method blanks contain low levels of target analytes; the associated sample detections have been flagged as "B" by the laboratory. Those detections in associated samples that are within validation action concentration have either been edited to reflect non-detection (for those detections below the reporting limit) or qualified as estimated in value, with high bias (for those above the reporting limit). Those also qualified as estimated for other reasons will not reflect a high bias.

The blind field duplicate evaluations were performed on 7.MP-1D, 8.MP-80, and 7.MP-28. The correlations are within the validation action guidelines with the exception of the following, results for which are qualified as estimated in that parent sample and its duplicate:

- Ethanol, methylene chloride, methyl ethyl ketone, isopropanol, and tetrahydrofuran in 7.MP-1D
- Ethanol, methylene chloride, and isopropanol in 8.MP-80
- Acetone and methyl ethyl ketone in 7.MP-28

Holding times and instrument tunes meet requirements. Internal standard recoveries are compliant. LCS recoveries are compliant.

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.

Some of the mass spectra of sample detections show non-subtractive interferences from the sample matrix.

Some of the data packages for this project did not include all of the other applicable documentation; however, those items were found in either in the summary data packages or data packages reported for a separate project site.

Methane by EPA 18

The blind field duplicate evaluations were performed on 7.MP-1D, 7.MP-28, and 8.MP-80. The correlations are within the validation action guidelines

Calibration standards show acceptable correlations, and holding times were met. Blanks show no contamination.

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 EDD

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 Summaries

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: EMGPRP-31907

Job ID: 410-102695-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-102695-1	7.MP-7D	Air	10/17/22 12:27	10/20/22 18:40	Air Canister (6-Liter) #1420
410-102695-2	7.MP-7S	Air	10/17/22 11:43	10/20/22 18:40	Air Canister (6-Liter) #1352
410-102695-3	7.MP-11S	Air	10/17/22 14:53	10/20/22 18:40	Air Canister (6-Liter) #1256
410-102695-4	7.MP-11D	Air	10/17/22 14:43	10/20/22 18:40	Air Canister (6-Liter) #1190
410-102695-5	7.MP-5D	Air	10/18/22 11:07	10/20/22 18:40	Air Canister (6-Liter) #1291
410-102695-6	7.MP-5S	Air	10/18/22 10:56	10/20/22 18:40	Air Canister (6-Liter) #1179
410-102695-7	7.MP-17D	Air	10/18/22 09:12	10/20/22 18:40	Air Canister (6-Liter) #1426
410-102695-8	7.MP-17S	Air	10/18/22 09:18	10/20/22 18:40	Air Canister (6-Liter) #1460
410-102695-9	7.MP-6_AMB	Air	10/18/22 14:50	10/20/22 18:40	Air Canister (6-Liter) #1506
410-102695-10	7.MP-4S	Air	10/18/22 12:23	10/20/22 18:40	Air Canister (6-Liter) #1468
410-102695-11	7.MP-4D	Air	10/18/22 12:31	10/20/22 18:40	Air Canister (6-Liter) #1413
410-102695-12	7.MP-1S	Air	10/17/22 11:53	10/20/22 18:40	Air Canister (6-Liter) #884
410-102695-13	7.MP-1D	Air	10/17/22 11:33	10/20/22 18:40	Air Canister (6-Liter) #1495
410-102695-14	DUP_10172022	Air	10/17/22 12:31	10/20/22 18:40	Air Canister (6-Liter) #1263
410-102695-15	7.MP-10S	Air	10/17/22 14:44	10/20/22 18:40	Air Canister (6-Liter) #1355
410-102695-16	7.MP-10D	Air	10/17/22 15:10	10/20/22 18:40	Air Canister (6-Liter) #1520
410-102695-17	7.MP-2D	Air	10/18/22 09:20	10/20/22 18:40	Air Canister (6-Liter) #881
410-102695-18	7.MP-2S	Air	10/18/22 09:03	10/20/22 18:40	Air Canister (6-Liter) #1269
410-102695-19	7.MP-16D	Air	10/18/22 10:50	10/20/22 18:40	Air Canister (6-Liter) #873
410-102695-20	7.MP-16S	Air	10/18/22 11:06	10/20/22 18:40	Air Canister (6-Liter) #519
410-102695-21	7.MP-6D	Air	10/18/22 12:42	10/20/22 18:40	Air Canister (6-Liter) #1438
410-102695-22	7.MP-6S	Air	10/18/22 12:17	10/20/22 18:40	Air Canister (6-Liter) #1036
410-102695-23	8.MP-80	Air	10/19/22 10:17	10/20/22 18:40	Air Canister (6-Liter) #1484
410-102695-24	DUP_10192022	Air	10/19/22 12:30	10/20/22 18:40	Air Canister (6-Liter) #1244
410-102695-25	8.MP-77D	Air	10/19/22 12:12	10/20/22 18:40	Air Canister (6-Liter) #1257
410-102695-26	8.MP-77S	Air	10/19/22 12:06	10/20/22 18:40	Air Canister (6-Liter) #1502
410-102695-27	8.MP-76D	Air	10/19/22 09:03	10/20/22 18:40	Air Canister (6-Liter) #865
410-102695-28	8.MP-76S	Air	10/19/22 09:00	10/20/22 18:40	Air Canister (6-Liter) #1424

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: EMGPRP-31907

Job ID: 410-103064-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-103064-1	7.MP-30	Air	10/20/22 09:03	10/24/22 21:30	Air Canister (6-Liter) #1539
410-103064-2	7.MP-33	Air	10/20/22 11:11	10/24/22 21:30	Air Canister (6-Liter) #1504
410-103064-3	7.MP-33_AMB	Air	10/20/22 15:42	10/24/22 21:30	Air Canister (6-Liter) #1476
410-103064-4	7.MP-28	Air	10/20/22 14:02	10/24/22 21:30	Air Canister (6-Liter) #1082
410-103064-5	DUP_10202022	Air	10/20/22 12:34	10/24/22 21:30	Air Canister (6-Liter) #871
410-103064-6	7.MP-27	Air	10/20/22 15:25	10/24/22 21:30	Air Canister (6-Liter) #505
410-103064-7	7.MP-31	Air	10/21/22 10:17	10/24/22 21:30	Air Canister (6-Liter) #813
410-103064-8	8.MP-78S	Air	10/21/22 11:20	10/24/22 21:30	Air Canister (6-Liter) #1515
410-103064-9	8.MP-78D	Air	10/21/22 11:24	10/24/22 21:30	Air Canister (6-Liter) #1474
410-103064-10	7.MP-8S	Air	10/21/22 14:31	10/24/22 21:30	Air Canister (6-Liter) #1151
410-103064-11	7.MP-8D	Air	10/21/22 14:36	10/24/22 21:30	Air Canister (6-Liter) #1469
410-103064-12	8.MP-78_AMB	Air	10/21/22 14:53	10/24/22 21:30	Air Canister (6-Liter) #1453

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: EMGPRP-31907

Job ID: 410-103525-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-103525-1	7.MP-64	Air	10/27/22 08:43	10/27/22 19:20	
410-103525-2	7.MP-15_AMB	Air	10/26/22 14:47	10/27/22 19:20	
410-103525-3	7.MP-72D	Air	10/25/22 15:13	10/27/22 19:20	
410-103525-4	8.MP-73D	Air	10/25/22 12:00	10/27/22 19:20	Air Canister (6-Liter) #1517
410-103525-5	8.MP-73S	Air	10/25/22 12:00	10/27/22 19:20	Air Canister (6-Liter) #1446
410-103525-6	7.MP-72S	Air	10/25/22 14:34	10/27/22 19:20	Air Canister (6-Liter) #1261
410-103525-7	7.MP-71D	Air	10/25/22 10:02	10/27/22 19:20	Air Canister (6-Liter) #1396
410-103525-8	7.MP-68	Air	10/25/22 08:52	10/27/22 19:20	Air Canister (6-Liter) #1259
410-103525-9	7.MP-15S	Air	10/26/22 09:36	10/27/22 19:20	Air Canister (6-Liter) #1285
410-103525-10	7.MP-15D	Air	10/26/22 09:45	10/27/22 19:20	Air Canister (6-Liter) #1178
410-103525-11	7.MP-9S	Air	10/26/22 11:38	10/27/22 19:20	Air Canister (6-Liter) #875
410-103525-12	7.MP-12D	Air	10/26/22 15:12	10/27/22 19:20	Air Canister (6-Liter) #1373
410-103525-13	7.MP-71_AMB	Air	10/25/22 14:46	10/27/22 19:20	Air Canister (6-Liter) #1523
410-103525-14	7.MP-12S	Air	10/26/22 14:18	10/27/22 19:20	Air Canister (6-Liter) #1526
410-103525-15	7.MP-9D	Air	10/26/22 11:38	10/27/22 19:20	Air Canister (6-Liter) #1270
410-103525-16	7.MP-71S	Air	10/25/22 10:02	10/27/22 19:20	Air Canister (6-Liter) #1177

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: EMGPRP-31097

Job ID: 410-104572-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-104572-1	7.MP-13S	Air	10/28/22 09:01	11/03/22 18:45
410-104572-2	7.MP-13D	Air	10/28/22 09:05	11/03/22 18:45
410-104572-3	7.MP-81	Air	10/31/22 15:26	11/03/22 18:45
410-104572-4	7.MP-3S	Air	11/01/22 14:52	11/03/22 18:45
410-104572-5	7.MP-3D	Air	11/01/22 14:57	11/03/22 18:45

PLATES

1. Benzene Concentrations in Soil Vapor, Fourth Quarter 2022
2. Methane Concentrations in Soil Vapor, Fourth Quarter 2022
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 2022

SOIL VAPOR SAMPLING - OU-7/OU-8
GREENPOINT, BROOKLYN, NEW YORK

Prepared for:
EXXONMOBIL OIL CORPORATION
BROOKLYN, NEW YORK

ROUX

Compiled by: J.C.	Date: 04JAN23	PLATE 1
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: C.P.	Project: 0172.0030Y081	
File: 0172.0030E4954.01.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 2022

SOIL VAPOR SAMPLING - OU-7/OU-8
GREENPOINT, BROOKLYN, NEW YORK

Prepared for:
EXXONMOBIL OIL CORPORATION
BROOKLYN, NEW YORK

ROUX

Compiled by: J.C.	Date: 04JAN23	PLATE 2
Prepared by: G.M.	Scale: AS SHOWN	
Project Mgr: C.P.	Project: 0172.0030Y081	
File: 0172.0030E4954.02.DWG		

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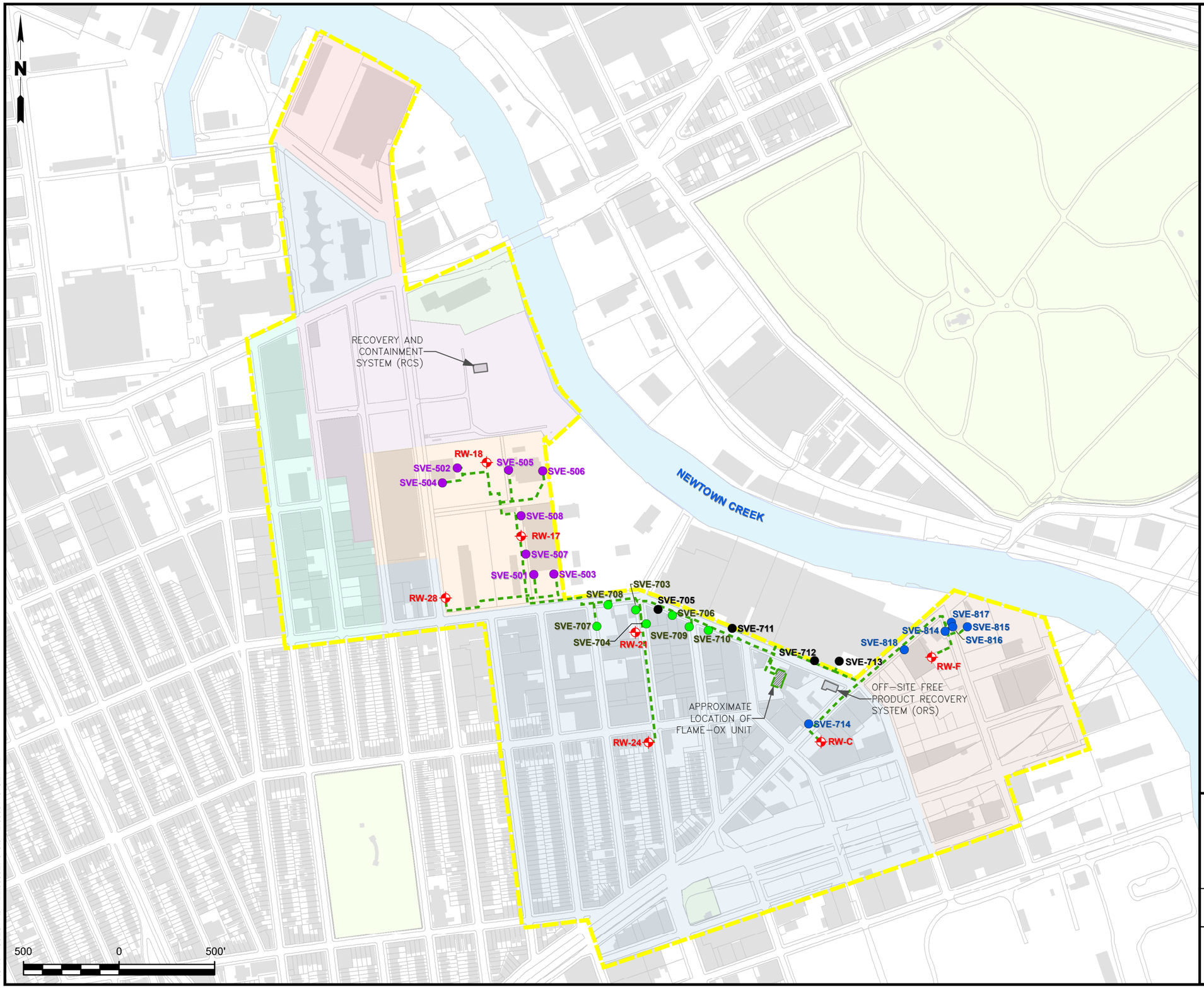

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LEGEND

- 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	PLATE
Prepared by: M.S.R.	Scale: AS SHOWN	3
Project Mgr: C.L.	Project: 0172.0030Y080	
File: 0172.0030Y4818.2.mxd		